



WESTMINSTER  
COLLEGE

# COLLEGE CATALOG

## 2022-2023



# TABLE OF CONTENTS

WESTMINSTER AT A GLANCE _____	2
THE HISTORY OF WESTMINSTER COLLEGE _____	3
ACCREDITATION _____	5
MISSION, GOALS & VISION _____	6
ADMISSIONS _____	8
TUITION & FEES _____	11
FINANCIAL AID _____	13
STUDENT LIFE _____	19
WITHDRAWAL POLICY AND INFORMATION _____	21
COLLEGE-WIDE POLICIES _____	24
ACADEMIC PROGRAMS & SUPPORT SERVICES _____	26
ACADEMIC POLICIES & PROCEDURES _____	36
FERPA _____	46
HONORS AND AWARDS _____	49
DEGREE REQUIREMENTS FOR STUDENTS ENTERING WESTMINSTER BEFORE FALL 2019 _____	50
DEGREE REQUIREMENTS FOR STUDENTS ENTERING WESTMINSTER FALL 2019 AND THEREAFTER _____	54
MAJORS & MINORS _____	58
PROGRAMS & CERTIFICATES _____	209
COURSE DESCRIPTIONS _____	215
ADMINISTRATION & STAFF _____	270
FACULTY _____	272
DEPARTMENT & DIVISION CHAIRS _____	276
BOARD OF TRUSTEES _____	277
ACADEMIC CALENDAR _____	278



# WESTMINSTER AT A GLANCE

Westminster College, an independent, four-year co-educational residential college, was established in 1851, with a liberal arts and sciences foundation that still exists today. Westminster's general education program is grounded in a commitment to liberal learning in the arts and sciences and providing its students with opportunities to explore the aesthetic, cultural, ethical, historical, scientific and social contexts in which they will live, work, and learn in the 21st century. In addition to providing the broad view needed for perspective in today's world, Westminster College provides the specialized training necessary for career success as well as preparation for advanced graduate and professional studies. Today the College is a global community where students receive the background and experience necessary to become world leaders of character, prepared to make a difference wherever they find themselves in the world. Westminster College is accredited by the Higher Learning Commission.

Westminster offers a wide variety of majors, minors, and pre-professional programs of study. In addition to these programs, on the campus, students may design a personalized program of study through the Self-Designed Major and Minor. The College's Office of Global Educational Services assists students seeking overseas study opportunities or pursuing exchange opportunities with sister institutions. The College maintains affiliations with a variety of institutions and programs which allow for students to choose from nearly 150 approved foreign and domestic programs in 40 countries.

Westminster's faculty hold degrees from some of the finest institutions of higher learning. Roughly 90% of the College's full-time faculty hold a doctorate or an equivalent terminal degree; many are engaged in advanced research and scholarly study. These dedicated teacher-scholars combine a commitment to the principles of liberal education with expertise in their disciplinary specialties and a devotion to the intellectual growth of their students. The College encourages close, personal interactions between faculty and students, providing one of the vital cornerstones of excellence in teaching and learning. Low student/faculty ratios ensure that students receive personal attention.

Most Westminster students come from Missouri, but many states and foreign countries are represented in the student body. The Westminster students are as illustrious as the faculty with an average ACT score of approximately 20. A substantial percentage of the students belong to one of the eight fraternities and sororities that keep the Westminster College social scene extremely active.

Lectures at Westminster College include the John Findley Green Lectures, a distinguished series on economics, social and international affairs; the endowed IBM Lecture Series, which brings to the campus leaders or professors in the area of business and finance, and the Crosby Kemper Lectures, in which authorities on

British history and Sir Winston Churchill come to speak at the National Churchill Museum. Since 2006, the college has held an annual Symposium, now known as the Hancock Symposium, a two-day series of lectures, presentations, and panel discussions by noted national and state authorities. The Symposium centers on one topic of global significance and sessions are open to the entire Westminster community as well as the general public. Out of its commitment to promoting undergraduate research and developing young scholars, Westminster initiated an annual one-day Undergraduate Scholars Forum in 2008. This forum allows the College to highlight students' achievements in a formal and comprehensive way as students, faculty, staff, alumni, trustees, and members of the community come together to experience paper, poster, and multi-media presentations as well as creative performances from a wide range of departments—all given by Westminster students.

Westminster competes at the NCAA Division III level in varsity athletics and is a member of the St. Louis Intercollegiate Athletic Conference and the Upper Midwest Athletic Conference in football. Men's varsity sports include baseball, basketball, football, golf, soccer, track, cross country, wrestling, and tennis; women's varsity sports include basketball, golf, soccer, softball, tennis, track, cross country, and volleyball. Intramural sports are also offered for men, women, and coed teams.

Westminster College offers a wide range of academic and need-based financial support. About 98 percent of the College's students receive aid in the form of scholarships, grants, loans, or work-study opportunities.

Westminster College is located in Fulton, Missouri. Fulton is a pleasant community of 12,000 people, located just off Interstate-70, 100 miles west of St. Louis, 150 miles east of Kansas City, and 70 miles north of the Lake of the Ozarks. The Missouri School for the Deaf and William Woods University are also located in Fulton. The University of Missouri-Columbia, Stephens College, and Columbia College are 25 miles west of Fulton in Columbia. Jefferson City, the state capital and home of Lincoln University, is 20 miles to the south. The campus grounds encompass 86 acres, the heart of which is a lovely, tree-shaded area enhanced by the stately Greek revival architecture of the surrounding campus buildings. In 2019, *The Wall Street Journal* ranked Fulton among "the ten most intriguing travel destinations of 2019", encouraging readers to come and visit the famous National Churchill Memorial and sections of the Berlin Wall.

Find additional information on Westminster news, press releases, special events, alumni connections, library resources, parent information, calendars, maps and community information [online](#). Be sure to bookmark the page.

# THE HISTORY OF WESTMINSTER COLLEGE

On September 29, 1849, Missouri Presbyterians met in a small country church near the village of Auxvasse in Callaway County. At this time, Missouri was still a pioneer state and large areas of land were unsettled; transportation was by river or stage line; the new state stood at the very edge of the frontier. These problems, however, did not concern one Kentucky man attending the meeting and that was the pastor of the nearby Fulton Church, Rev. William W. Robertson. Robertson was concerned about the area's high rate of illiteracy, its lack of educational opportunities and the enormous problems these facts posed to the task of spreading the church's work. What Robertson needed were young men prepared for the ministry and other Christian professions through educational training at a church-sponsored college. Robertson's concern resulted in the establishment of Fulton College on February 18, 1851.

It is difficult now to appreciate the courage and faith necessary in such an undertaking. Funding was limited and the state was slow to develop a system of higher education. In fact, the Presbyterian Synod of Missouri reported at its annual meeting in 1845 a cash balance of two and one-half cents. Undaunted by these obstacles, pioneers like Robertson combined their energy and assets to found Fulton College.

The College's first professor, William Van Doren from New Jersey, was employed at an annual salary of \$800 and on the first Monday in October 1851, some fifty young men attended the first classes. In 1853, the Synod of Missouri adopted Fulton College and gave it the Presbyterian name "Westminster." On July 4 of 1853, the cornerstone of the first college building, old Westminster Hall, was laid. Although the original hall was destroyed by fire in 1909, the columns from the portico of that stately structure were preserved. They still stand today as a reminder of the College's glorious past and as an inspiration for the future.

After nearly a decade spent establishing a tradition of academic excellence, the College was faced with the turbulence of the Civil. Westminster not only survived, but it also managed to graduate classes uninterrupted through the war years—something no other Missouri college or university outside St. Louis was able to do. Bitter post-Civil War antagonisms split the Missouri Presbyterian Church, creating major financial difficulties for Westminster. The College was able to continue largely because of an unusually capable and dedicated faculty.

Professors such as John Harvey Scott, John Jay Rice, Danny Gage, and Edgar Hoge Marquess became renowned for their scholarship, devotion to the school and belief in education. These early professors set high standards for college faculty that have characterized Westminster ever since.

At the close of the civil strife, the Presbyterian Church was divided into North and South. Westminster became an institution of the Southern Presbyterian Church and for many years, because of impoverished postwar conditions, received little more than local patronage or help. Finally, in 1891, the course of events was altered by a bequest of approximately \$125,000 from the estate of Mr. William Sausser of Hannibal, Missouri. At the time, this was the largest single bequest ever made to an educational institution in Missouri. It rewarded the sacrifices of those who had struggled to insure the continuation of the college and allowed Westminster to move forward with new vigor and enthusiasm.

In 1901, after 40 years, the Synod of Missouri of the Northern Presbyterian Church and the Synod of Missouri of the Southern Presbyterian Church reunited in support of Westminster. This union was maintained until 1969, when Westminster College and the Presbyterian Church agreed to sever legal ties. In 1984, Westminster College and the Synod of Mid-America of the Presbyterian Church (U.S.A.) approved a covenant, which recognizes that the College and the church will remain independent entities but affirm a historic and continuing relationship of support. Despite a tragic fire, two world wars, a crippling national depression and other adversities, Westminster College has prevailed as a high-quality leader in liberal arts education.

One structure on the Westminster campus that serves as a symbol of the College is the campus chapel, the Church of St. Mary the Virgin, Aldermanbury. Originally erected in 17th century England in the shadows of a quite different Westminster, the church was designed by Sir Christopher Wren in 1670 and was located in London at the corner of Aldermanbury and Love Lane. During the 1940 German blitz, the church received a direct hit from an incendiary bomb. The interior was completely gutted by the blast, but the exterior walls remained standing. Those 700 tons of Portland limestone were carefully dismantled in the mid-1960s and shipped across the Atlantic to Fulton, where the building was painstakingly rebuilt and restored to its original condition.



Today, the church and America's National Churchill Museum stand as a memorial to Sir Winston Churchill, commemorating the man and his historic visit to Westminster College in 1946. Churchill came to Westminster at the invitation of the College and then U.S. President Harry S. Truman to deliver one of his most significant speeches, "The Sinews of Peace," now commonly known as "The Iron Curtain Address." In this historic speech Churchill uttered the following famous and portentous words: "From Stettin in the Baltic to Trieste in the Adriatic, an iron curtain has descended across the continent..."

Sir Winston Churchill's speech was one of the John Findley Green Lectures. Established in 1936 as a memorial to John Findley Green, the supporting fund for the lectures stipulates, "that the speaker shall be a person of international reputation whose topic shall be within the aim of those lectures and who shall present it with regard for Christian tolerance and practical benevolence." The roster of Green lecturers which have taken place at Westminster College includes theologian Reinhold Niebuhr, former President Harry S. Truman, Nobel laureate physicist Sir George Paget Thomson, Vice President Hubert H. Humphrey, author and scientist C. P. Snow, Senator J. William Fulbright, FBI Director Clarence Kelly, former President Gerald R. Ford, former Prime Minister of Great Britain Edward Heath, the Honorable Clare Booth Luce, Secretary of Defense Caspar Weinberger, President George Bush, philosopher Paul Ricoeur, former President of the Soviet Union Mikhail Gorbachev, former U.S. Ambassador to Russia, Robert S. Strauss, former British Prime Minister Margaret Thatcher, Lech Walesa, Nobel Laureate and former President of Poland, former CEO of MTV Networks International Bill Roedy, musician and political activist Bob Geldof, Vermont Senator Bernie Sanders, and former Secretary of State Madeline Albright.

In 2005, a complete renovation of the Museum was undertaken, resulting in new, state-of-the-art, interactive exhibits that bring Churchill and the events of his time to life and give them relevance to 21st century visitors. These new exhibits were unveiled March 4, 2006, in conjunction with the 60th anniversary celebration of Churchill's famous "Iron Curtain" speech. Then, on June 15, 2009, the United States House of Representatives approved a resolution designating the Memorial as "America's National Churchill Museum." This Mid-Missouri treasure is the only museum in North America completely dedicated to Churchill's life and work. In April 2019, the Westminster community, along with members of the Churchill family and special guests from all over the world, celebrated the 50<sup>th</sup> Anniversary of the National Churchill Museum with a three-day celebration in Fulton.

Historically a men's college, Westminster admitted its first coeducational class in the fall of 1979. Westminster established a branch campus in Mesa, Arizona in August, 2013 but closed that campus in May 2014. Most recently, Westminster was accredited to offer online degree programs and has launched three fully online programs (Business Administration, Organizational Leadership, and Psychology) in Fall 2022.

Many Westminster alumni have achieved eminence in their fields, particularly in business administration and the professions of medicine, dentistry, law and the ministry. Four Westminster students have been awarded the highly prestigious Rhodes scholarships for study at Oxford University in England and a 1997

alumna was awarded the prestigious Truman Scholarship for graduate study.

In addition to accolades won by alumni and faculty, Westminster College is one of the top liberal arts colleges in the nation, according to the rankings of *U.S. News & World Report*. *Forbes* magazine named Westminster a 2018 Top American College. *The Princeton Review* listed Westminster one of the "Best in the Midwest in 2019"—for the 14<sup>th</sup> straight year. *Newsweek-Kaplan* named it "One of the 372 Most Interesting Schools in America," and Westminster has also been recognized as one of the 240 Colleges of Distinction. Westminster College has been named in the top ten percent of Best Colleges for the Money across the nation and as one of the "most affordable private colleges" and one of the top twenty-five "best colleges that you can actually get into." In 2018, *Money* magazine named Westminster as one of the "Best Colleges in America" and one of "Missouri's Best Colleges."

These recognitions reflect Westminster's ongoing commitment to providing a superior collegiate experience for its students. This selective college for men and women is known for its small class sizes taught by an excellent faculty. Westminster is a challenging academic environment where students are educated to lead and inspired to succeed. Ninety-eight percent of Westminster graduates start their first job or enroll in graduate or professional schools within six months of graduation.

# ACCREDITATION

## Higher Learning Commission Accreditation

Westminster College is a member of the Higher Learning Commission (HLC) and is institutionally accredited by HLC. The Commission's website is <https://www.hlcommission.org/> and their phone number is 800.621.7440. Westminster College was first accredited by the Higher Learning Commission (HLC) in 1913 and has been continuously accredited by HLC since 1916. The College received its most institutional accreditation from HLC in 2015.

Westminster is currently in the Standard Pathway and is due for its next Reaffirmation of Accreditation in the 2024-2025 academic year. View Westminster's [statement of affiliation status with HLC](#).

Westminster's Accreditation Liaison Officer (ALO) is:  
Dr. David Jones  
Professor of Psychology and Chief Accreditation Officer  
Contact: [David.Jones@westminster-mo.edu](mailto:David.Jones@westminster-mo.edu)

## Association of College Business Schools and Programs (ACBSP) Accreditation

Westminster College's [business program](#) is accredited by [ACBSP](#), which means that Westminster adheres to high quality standards based on the latest research and professional practice.

Contact: Dr. Sonia Manzoor [Sonia.Manzoor@westminster-mo.edu](mailto:Sonia.Manzoor@westminster-mo.edu)

## Education Accreditation

Westminster College's [education program](#) is accredited by the Missouri Department of Secondary Education (DESE).

Contact: Dr. Barri Bumgarner  
[barri.bumgarner@westminster-mo.edu](mailto:barri.bumgarner@westminster-mo.edu)



# MISSION, GOALS & VISION

## THE COLUMNS CONCEPT:

*At Westminster College, we excel at developing students to be leaders in a global community. This concise statement of our institutional identity, which we refer to as the Columns Concept, captures the transformation that takes place for students at Westminster College between the Columns – from freshman convocation to senior commencement. It is a deep, internal, and collective understanding of what we do best. The Columns Concept expresses succinctly what we stand for, our enduring sense of mission, vision, goals, and values, and it gives focus and direction to everything we do at Westminster College. With this as our guidepost, the following mission, vision, and academic goals are set forth for Westminster College.*

### Mission

It shall be the mission of Westminster College to educate and inspire all its students through a distinctive liberal arts curriculum and a dynamic developmental experience; to challenge them to be critically aware, lifelong learners and leaders of character, committed to the values of integrity, fairness, respect and responsibility; and to prepare them for lives of success, significance and service.

### Vision for the Institution

Westminster College will retain and enhance its reputation as a premier liberal arts college. We will continue to grow and thrive. Distinguished by the accomplishments of our graduates and our association with world leaders, the College will serve as an intellectual and cultural resource for our students, the local community, the region, and the nation.

### Vision for Institutional Programs

Westminster College will offer a high quality, innovative, liberal arts curriculum that is fully integrated with a holistic student development program, so that graduates will develop the intellectual, ethical, professional, and social foundation for leadership and service in a global community. Academic and student life programs will be meaningful and engaging, providing appropriate challenge and support so that all students reach their full potential.

### Vision for the Faculty and Staff

Westminster will be known as a campus that cares. Our faculty and staff will be dedicated to the success of our students and committed to student welfare and growth in all developmental domains. Faculty will be first class educators and scholars, who blend outstanding academic credentials with excellence in teaching and a focus on the welfare of our students. Classes will be small, dynamic, and student centered and will emphasize human interaction, intellectual growth, and character development. Through their excellence, dedication, involvement with the students, and their own personal example, the faculty and staff will play a crucial part in providing the atmosphere for growth and development only possible in a small, private college.

### Vision for the Campus

The Westminster College campus will provide excellent facilities to support our high quality educational and personal development experience. Student living areas and academic buildings will be clean, well maintained, and connected to technology. The campus grounds, athletic fields, and fraternity housing areas will reflect our pride in and love for the college as well as the excellence of our programs. The National Churchill Museum will be an integral part of the campus scene and will symbolize the leadership and selfless service of Churchill himself. The campus culture will bring to reality the vision of free and open thought and speech that nurtures educational excellence.

### Vision for the Student Body

Westminster College will be a selective, traditional, residential liberal arts college that attracts and retains high quality students primarily from the mid-west, but also from throughout the nation and overseas. Students will be challenged to grow intellectually, ethically, professionally, socially, and spiritually. The combined effects of the academic and student life programs in a caring campus environment will inspire students to appreciate and internalize the values of integrity, fairness, respect for others and their property, and responsibility. Mentored by a committed faculty and involved alumnae and alumni, graduates will be prepared, motivated, and inspired to live lives of leadership, service, and professional fulfillment in a global community.

### Vision for the Alumnae/Alumni

Westminster graduates will lead successful and fulfilling lives. Having achieved some measure of their success because of their Westminster experience, they will give back to future generations through personal involvement and financial support. They will be actively involved in alumnae/alumni activities, maintaining fellowship with fellow graduates and sustaining their connection to the College. Further, they will support Westminster through mentorship of students, involvement with College activities, service on committees and boards, and recruitment activities in their local communities.

### Educational Goals

The enduring goal of a liberal arts education is the formation of well-rounded individuals whose breadth and depth of knowledge and diverse approaches to understanding prepare them for professional careers and a lifetime of learning and service. In this spirit, Westminster College provides programs that allow students to develop proficient and creative thinking in a field of study while also acquiring the following knowledge, skills and perspectives:

- Critical Thinking: development of sound analytical and synthetic reasoning skills and the ability to employ them in problem solving;
- Communication: ability to write, speak, read, and listen effectively;
- Mathematical Skills: ability to use and understand statistical and other quantitative techniques to interpret data;
- Historical Perspective: awareness of our human heritage and of the power of historical methods for revealing patterns and meanings in our national and international life;
- Social Institutions: knowledge of the major institutions of society such as work, family, voluntary associations, and government;
- Science: understanding the nature of scientific inquiry as well as the role of science in the modern world;
- Technology: ability to employ computer and other technologies in writing and in the manipulation of data, and understanding the nature and limits of technology;
- Cultures and Global Interdependence: understanding and appreciation of diverse cultures, languages, philosophies, and religions, along with the awareness of the increasing complexity and interconnectedness of the world and the implications for economic, political, social, and cultural systems;
- Values: awareness of the role of values in decision making, of the search for meaning and identity, and of the ethical issues of society;

- Aesthetic Sensitivity: appreciation and understanding of literature and the fine arts.

### Concept for Student Development

Westminster targets five domains of student growth: intellectual, ethical, professional, social, and wellness. Together, these domains allow us to structure and integrate developmental programs and activities. Students experience meaningful opportunities to grow in each of these domains.

**Intellectual.** Leader development is the long-standing mission of Westminster College as well as the classic aim of a liberal arts education. Leaders have a broad base of understanding and possess the intellectual skills needed to engage in critical thinking, creativity, and effective communications. With knowledge expanding exponentially, leaders should be independent, self-directed, lifelong learners if they are to maintain the competence to lead effectively in a global community

**Ethical.** The undergraduate years are a time of exploration and experimentation as students seek their own answers to the fundamental questions of life. This quest for personal meaning is central to a liberal education. Westminster College explicitly nurtures in students the values of integrity, fairness, respect, and responsibility – essential characteristics of leaders. Development in this domain involves cultivating perspective, moral sensitivity, and judgment as well as the fostering courage and confidence to act wisely in morally challenging situations.

**Professional.** Leaders also need the fundamental skills necessary for success in the professional world. Westminster students learn to take responsibility and manage their time and multiple tasks effectively. They learn to collaborate with others and solve problems independently and as a team member. At graduation, they have a sense of vocational direction, possess the confidence to assert themselves, and are able to pursue professional employment. As leaders, they possess effective strategies for helping individuals, groups, and organizations transform for the betterment of each person and the whole.

**Social.** Leaders are able to interact effectively with others; they must be able to determine appropriate behavior across a wide variety of situations. Westminster graduates are expected to be globally aware and culturally sensitive. They are able to conduct themselves with compassion, dignity, courtesy, and tact. Proper bearing, mature deportment, civility, and effective interpersonal communication skills mark the social interactions of Westminster graduates.

**Wellness.** Leaders maintain physical, spiritual, and mental health to support effective actions. Westminster students appreciate the inherent risks of alcohol and drug use, understand the importance of a healthy diet and personal exercise, and respect the health and well-being of others. Westminster graduates evince a lifetime commitment to wellness and appropriate ways for dealing with stress and personal relationships. They also encourage others to maintain a healthy lifestyle.



# ADMISSIONS

Westminster College seeks to enroll men and women who are prepared to succeed in the College's programs of study. In order to determine an applicant's readiness for success at Westminster, the College needs an accurate appraisal of the student's academic achievement and ability. In addition to providing high school records and test scores, applicants are encouraged to visit campus and meet with an Admissions Counselor.

Admission to Westminster is selective. Most freshmen rank within the upper 50 percent of their high school classes and have above average scores on either the American College Test (ACT) or the Scholastic Aptitude Test (SAT). International applicants must submit either a TOEFL (Test of English as a Foreign Language) or an IELTS (International English Language Testing System) score, if student was not born and raised in an English-speaking country or has not spent two recent years in an English-speaking school. TOEFL examinations with a minimum score of 550 on the written, a minimum score of 213 on the electronic version, a minimum score of 80 in the IBT computer-based version, or a minimum of 6 on the IELTS exam must be achieved to be considered for regular admission. International students with a strong academic record who score below these standards on the TOEFL or IELTS exams may be considered for conditional or special admission.

Westminster College does not discriminate on the basis of race, sex, color, sexual orientation, religion, national and ethnic origin, or physical handicap in the administration of its educational policies, admissions policies, scholarship and loan programs and athletic and other school-administered programs.

## Freshman Admission

A student seeking admission directly from a secondary school should

submit the following items:

1. An application for admission
2. An unofficial secondary school transcript showing all courses and grades through at least the junior year (sixth semester) or an official copy of the General Educational Development (GED) Test showing a student's graduation date.
3. Scores from either the ACT or the SAT (test-optional policy for the 2022-23 academic year, for more information contact the Office of Admissions).

The acceptance decision is normally made within one week after the College has received all of the items listed above.

We strongly recommend that students who intend to apply to Westminster take a college preparatory curriculum consisting of the following units: English (four, including senior composition), mathematics (three, through Algebra II), laboratory science (two), social science (two), foreign language (two), plus at least two additional units in academic subjects. Electives should at least in part be academic courses. Students anticipating entry to the premedical or pre-dental program should have three units of laboratory science and at least one unit of advanced mathematics.

## Transfer Admission

Students wishing to transfer to Westminster may do so provided they are in good academic standing at another accredited college or university. Students who are academically ineligible to return to an institution are usually not eligible for admission to Westminster. A student seeking admission as a transfer student should submit the following items:

1. An application for admission
2. An unofficial secondary school transcript or official GED showing a student's graduation date.
3. Scores from either the ACT or the SAT (if available)
4. An official transcript from each post-secondary institution attended

There is no upper limit to the number of hours that can be transferred from another accredited institution of higher learning, however the transfer student will have to complete at least 48 credit hours as a full-time Westminster student, which must include the two semesters immediately preceding graduation; and be certified by a department as having met the department's requirements for a major. Each course on a transfer student's transcript is evaluated as to whether it can be accepted for transfer credit. Usually most of a student's academic credits will transfer; however, no course with a grade below "C-" will transfer. (For more information, please refer to the complete Transfer Policy under the section Academic Policies and Procedures.)

## Readmission

If a student interrupts his/her/their official attendance by officially withdrawing from the College before the census date, he/she/they thereby ceases to be a Westminster student. In order to re-enroll, a student must re-apply and be granted acceptance for admission. Applications for readmission should be addressed to the Office of Admissions. Final decisions regarding readmission cannot be made until the Admissions Office has received approval from designated department officials on campus, transcripts of all college course work attempted since the student last attended Westminster, and any specific information requested for the student to provide.

## Admission to the Learning Disabilities Program

To apply to the Learning Disabilities Program, a student should contact the Office of Admissions. There is a supplement to the application for admission to this program, and it is critical that prospective students apply early in their senior year of high school because enrollment in the program is limited.

## Enrollment Deposit

New students enrolling at Westminster College (Freshman or Transfer) must remit a \$200 deposit to register for classes and secure a space in college housing. Please note that new student deposits are nonrefundable after May 1 for the Fall semester.

The \$200 deposit will be held by the College until the student graduates or completely withdraws from the College. At that time, if there are no housing damages or outstanding charges on the student account, a full refund will be made to the student.

### Campus Visits

The College recommends that any student considering Westminster visit the campus for an individual meeting with an Admissions Counselor and tour. It is important to telephone, write via e-mail or register online so arrangements can be made prior to arrival. The College also sponsors various visit programs for prospective students. These are programs which enable students to experience academic and student life first hand. Programs are offered in the fall and spring. The Office of Admissions is open 8 a.m. until 5 p.m. Monday through Friday and from 9 a.m. until noon on select Saturdays from September through May. Students should call for an appointment at (573) 592-5251 or (800) 888-WCMO (9266), email the [admissions office](#), or [visit us online](#).

### Dual Enrollment

Through dual enrollment, select high school juniors and seniors have the opportunity to complete college level courses on the Westminster campus. Admission into this program is restricted to high school junior and senior level students with a cumulative GPA of 3.0 or higher. Enrollment is limited to three courses per semester on a space available basis, and excludes developmental courses except when approved by the Dean of Faculty, and courses for which necessary prerequisites have not been met. Those interested in dual enrollment should make arrangements with the appropriate secondary school officials and, in consultation with them, identify a course for study. Courses for study must be approved by the Associate Dean of Faculty. Tuition for the dual enrollment program is \$120 per credit hour. Information about dual enrollment is available from the Associate Dean of Faculty. Area high school students who complete at least 6 hours of dual enrollment courses through Westminster College qualify for a renewable \$1000 Dual Enrollment Award if they attend WC as a full-time freshman.

### Summer Programs for High School Students

On an occasional basis, Westminster will offer special programs for high school students during the summer months, for which students may elect to receive academic credit. Coursework may take place on campus, through distance-learning, or through a combination of the two. Tuition costs vary depending on the nature of the program. Students interested in earning credit must fill out registration forms and submit them to the Registrar's Office on or before the first day of classes.

### Credit by Examination

No more than 30 hours of credit by examination may be counted toward the minimum number of hours required for graduation. No credit will be given for any examination for which there is not a corresponding course in the catalog. In order for the student to receive credit for AP, CLEP, or IB examinations, official documentation must be submitted to the Registrar's office before the end of a student's first year as a full-time Westminster student.

College Level Examination Program (CLEP) Subject Examinations are accepted for credit if they are passed at the "B" level or higher and if credit is submitted before the end of the first year. Students are not allowed credit for a Subject Examination if they have taken an equivalent or more advanced college course in the subject area. No credit is given for CLEP General Examinations.

College Board - Entrance Examination (AP) Examinations passed at the "B" level (4) or higher are accepted for credit automatically

if the credit is submitted before the end of the first year. Advanced Placement Examinations passed at the "C" level (3) are subject to review by the appropriate Westminster department.

Cambridge International A Level Examinations passed at the "C" level or higher are accepted for credit automatically if the evidence of the credit is submitted before the end of the first year. Specific course credit will be determined by the relevant academic department.

### College Level Examination – International Baccalaureate (IB)

Given the similar missions of the International Baccalaureate program and Westminster, we believe that IB students are an excellent match for our college. Westminster offers IB students a strong grounding in the liberal arts, a dynamic developmental experience, and a global community in which to learn and grow. We believe that IB students will thrive at Westminster and become some of our best students and strongest campus leaders.

International Baccalaureate Credit: Westminster recognizes the rigor of the IB program and therefore awards college credit to students who have earned the IB diploma. Students who present a full IB diploma with a final total score of 28 points or better will be awarded a year's worth (30 hours) of credit toward graduation. If a student presents a full IB diploma with a total score of 24 through 27, they will be awarded credit hours based on the following:

IB Score	Minimum WC Credit
28 points or above	30 hours
27 points	25 hours
26 points	20 hours
25 points	15 hours
24 points	10 hours

Specific course equivalencies and credit hours will be determined individually based on actual IB exams, scores, and major area of study, as determined by academic department chairs. Students for whom course equivalency credit does not equal to the total number of credit hours per the table above will be awarded sufficient lower level interdivisional elective credit (IDV 299) to make up the difference. If a student does not present a full IB diploma, then credit may be awarded only for subjects in which the student has scored a five or higher on the final exam. If the student earns the equivalent of a C or higher (satisfactory performance or better) on the Theory of Knowledge exam, they will receive three hours of credit. Students who present a certificate for completion of the Creativity, Action and Service (CAS) component of the IB program will be awarded credit for completion of the graduation requirement to earn credit in one physical education activity course (i.e. 1 credit for PED A99) and credit for successful completion of LST 133 (1 credit).

No more than 30 hours of credit will be awarded for the combination of IB, AP, CLEP, or Cambridge International A level credit.

In most cases, students will be awarded at least six hours of credit for higher-level exams and at least three hours of credit for standard level exams. In all cases, specific course equivalencies and credit hours will be determined on an individual basis based on actual IB exams, scores, and major



area of study. For more information about transferring IB credits, please contact [RegistrarsOffice@wcmo.edu](mailto:RegistrarsOffice@wcmo.edu).

Regardless of the recommendations of the College Board or other body, no more than four hours of credit is granted for any one AP, CLEP, Cambridge International A Level Examinations, or IB Subject Examination, except 5 hours for AP Calculus, unless granting additional hours of credit is endorsed by the appropriate Westminster department.

On the recommendation of the appropriate academic department and with the concurrence of the Vice President for Academic Affairs and Dean of Faculty a student may earn credit in any course in the department currently listed in the College catalog by passing an examination selected or prepared by the department.

Some students may qualify for advanced placement in a foreign language. Students who have completed two years of study of a single foreign language in high school should take a foreign language placement examination. On the basis of their performance, they may be allowed to continue their study of the language at a level higher than the first course. They will receive full or partial credit, depending on the level at which they are placed, for the course(s) preceding the one in which they first enroll at Westminster only if they pass the course in which they first enrolled with the grade of C- or better and submit a Foreign Language Advanced Placement request form to the Office of the Registrar. If, however, such a student wishes to seek advanced placement, he/she/they may do so by taking a locally administered placement test at his/her/their own expense. International students cannot receive advanced placement credit by completing a higher-level course in their primary language. Please see the [Tuition & Fees](#) page for additional information.

Upon entering Westminster, students who transfer college-level foreign language credit for courses taken during high school must take a foreign language placement examination before being allowed to enroll in Westminster courses in that foreign language. Their performance will determine whether they may enter the Westminster foreign language program at the level that the transfer credit would indicate.

Domestic students who claim to be native speakers of a language and have never had the language in high school are required to complete the upper-level FL course in order for the lower-level courses to be waived for both the general education and major

requirements. However, upon completion of the upper-level foreign language course, they will not receive advanced placement credit.

For charges for advanced placement and credit by examination, see the list of special fees.

#### **Credit for Military Service**

Students in the United States military who have completed basic training in any branch of the Armed Forces will be granted, upon request, three hours of credit in military science, two hours in physical education (health and hygiene) and one hour of physical education activity credit. A Notice of Basic Eligibility (NOBE) showing an honorable discharge is required. Other credit for specialized training will be evaluated on an individual basis. Credit for additional coursework completed in the U.S. military will be granted in accordance with guidelines for course equivalency established by the American Council on Education (ACE). The Associate Dean of Faculty may grant credit for military coursework not evaluated for credit by ACE on an individual basis, in consultation with appropriate department and program chairs.

#### **U.S. Army Concurrent Admissions Program (ConAP)**

The Concurrent Admissions Program allows new soldiers to apply for admission at a ConAP college or university of their choice concurrent with their enlistment in the Army or Army Reserve. If they meet admission criteria, the soldier is granted admission on a full or provisional basis. Provisional admission means that students may be required to take certain developmental courses or undergo other academic preparation as determined by the college and may be limited in the number of courses initially undertaken. Enrollment is deferred until completion of initial enlistment for active military service or, in case of Army Reserve, until completion of initial active duty for training. Students are subject to the College's admission and degree requirements, as published in the catalog, at the time of enrollment in classes.

Enrollment of students who, subsequent to this agreement, attempt college coursework elsewhere is subject to academic performance standards stated in the catalog. Enrollment of students receiving other than an honorable discharge is subject to institutional review. This agreement is in effect for two years following completion of the soldier's initial term of active military service.

# TUITION & FEES

## Required Fee:

### Enrollment Fee \$200.00

Each student must submit a \$200 nonrefundable Enrollment Fee at the time he/she decides to attend Westminster College.

\*\*This fee must be paid in full prior to a student being issued keys for campus housing.

## Tuition and Fees Per Semester:

Full-time student (12-19 credit hours): \$15,124.00

Summer & Winter Sessions per credit hour: \$250.00

Summer & Winter Internship per credit hour: \$335.00

Per credit charge for excess of 19 credit hours per semester: \$980.00

Per credit hour for part-time students registered for fewer than 12 hours: \$988.00

Dual Enrollment Fee per credit hour: \$120.00

## Tuition and Fees for Academic Year (max. of 19 credit hours per semester):

Full-time Student Tuition: \$30,248.00

Mandatory Fees: \$2,896.00

Housing Charges Room (double occupancy): \$6,270.00

Dining Services (19 meals per week): \$5,492.00

Total Annual Charge: 44,906.00

*Single room occupancy and Apartment style rooms will be available at an increased rate. Fourteen meals per week cost \$5,176.00, and ten meals per week cost \$4,480.00 per academic year. Semester charges are one-half amount shown above for an academic year. In order to estimate the total cost of a year at Westminster College, required deposits, special fees, and personal expenses must be added to the charges listed above.*

## SPECIAL FEES (NON-REFUNDABLE):

Apostille Fee for Transcript/Diploma (per document): \$30.00

Application Fee \$0.00

Auditing Charge (per credit hour): \$55.00

Convenience Fee (per credit card transaction through the Business Office): 2.75%

## Credit by Examination:

Per credit hour for credit granted on the basis of examinations administered by Westminster College: \$30.00

## Graduation Fees:

Charged to all seniors for caps, gowns, diploma folders, dinners and other graduation and ceremonial costs: \$175.00

## Learning Disabilities Program Fee:

For each of the first two semesters the student is in the program: \$2,000.00

For each semester thereafter: \$1,000.00

Myers Briggs, Strong Interest Inventory and Strengths Quest assessments: Varies

## Motor Vehicle Registration and Parking Fee:

Required of all students who have not filed the appropriate waiver form by the 7<sup>th</sup> day of classes in the fall, and good for the academic year. If not filled out by then, the 7<sup>th</sup> day of classes for spring semester: \$76.00

## Official Transcript:

To be paid before transcript is issued (per copy price): \$12.00

## Special Course Fee:

For materials, travel and accommodations, admission charges, labs, music, Education, etc., as specified in course announcements: Varies

Student Teaching Fee (per credit hour): \$50.00

Special Student Teaching Placement Fee (30+ miles away): \$500.00

## Payment Policy

Payment is due in full on or before August 1 for the Fall Semester, January 1 for the Spring Semester, and May 1 for the Summer Semester. A payment plan is available if desired. Enrollment in the payment plan must be completed once each semester. Payments are for a term of five months for the Fall Semester (July through November) and for the Spring Semester (December through April), and a term of four months for the Summer Semester (May through August) and are available for enrollment through the MyWC student portal on the [College website](#). Payment plans are available for enrollment through Census Day for each semester. A student may not attend classes until all charges and fees are paid or enrollment in a payment plan has been completed.

## Withdraws and Refunds

All requests for withdrawal from Westminster College must be initiated by the student and made through the Academic Deans Office coordinated by the WC Cares Coordinator and Student Retention Specialist. The official date of withdrawal will be the date the student notifies the Office of Student Life of the withdrawal by written statement. Failure to attend class does not constitute an official withdrawal. If a student receiving Federal Title IV assistance fails to attend class, the college may be required by Federal regulation to perform an unofficial withdrawal. In this case, the midpoint of the semester, or the last date of attendance that can be documented will be the withdrawal date. When the withdrawal forms are completed, the financial accounts of the student will be settled based upon the following policies:

## Institutional Refund Policy

Upon withdrawal from the college, tuition will be refunded according to the following schedule:

#### Fall/Spring Semester Refund Policy:

First day of Class or prior	100% Refund
Class Days 2-3	75% Refund
Class Days 4-5	50% Refund
Class Day 6-7	25% Refund
Class Day 8	No Refund

#### 4 Week Online Refund Policy:

Prior to First day of Class	100% Refund
First day of Class	Partial Refund (full tuition less one credit hour)
Class Day 2 and after	No Refund

#### 7 Week Online Refund Policy:

Prior to First day of Class	100% Refund
First day of Class	100% Refund
Class Day 2	75% Refund
Class Days 3	50% Refund
Class Day 4	25% Refund
Class Days 5 and after	No Refund

Room charges will be refunded based on the date of official withdrawal or the last date of occupancy, whichever is later. When students withdraw during a semester, they leave rooms vacant that cannot be filled, therefore, no refund of Room charges will be made after the institutional refund period above. Board charges will be refunded based on the end of the week that the meal plan is cancelled. Miscellaneous fees will not be refunded.

Institutional financial aid will be adjusted accordingly. (Ex: If a student withdraws during the second to third day of the academic semester and 75 percent of the tuition is removed from the student account, then 75 percent of the institutional financial aid will be removed as well.)

Federal Title IV program assistance will be returned to the appropriate funds according to federal guidelines. The amount of Title IV program assistance earned has no relationship to the student's incurred institutional charges.

#### Federal Title IV Recipients

Federal Title IV assistance must be returned according to federal guidelines. A return calculation will be completed for Title IV recipients. The amount of Title IV program assistance earned is determined using a specified formula. The amount of assistance earned is determined on a pro rata basis. For example, if 30% of the payment period is completed, then 30% of the assistance originally scheduled to receive is earned. This percentage is calculated by comparing the official date of withdrawal with the total number of days in the semester. The total number of days in a semester includes every calendar day of the semester starting with the first day of the semester through the last day of finals,

not including breaks from class exceeding more than 5 days (including weekends). For example, if a student withdraws on day 33 of a semester, which has a total of 110 days, the student has completed 30% of the semester. Once more than 60% of the payment period has been completed, all assistance for the period has been earned.

The requirements for Title IV program funds are separate from the institutional refund policy; therefore, a balance for unpaid institutional charges may still be owed. All institutional and federal aid is offered on the assumption that the student will be enrolled as a full-time student for the entire academic year. When a student withdraws from classes, the institutional and federal award will be recalculated based on the above policies. Federal funds will be returned according to the specific order prescribed in the law and Federal regulations. These policies are subject to change without notice in the event there are changes in the Federal Policy. Westminster College will always follow current Federal regulations when dealing with Federal Title IV assistance. Withdrawal from or failure to attend classes may trigger a mandatory return of federal financial aid, resulting in a balance due on the student account.

#### Withdrawal Due to Military Deployment

Students who begin a semester and must withdraw due to military deployment will receive a credit on the student account for all fees that exceed the amount of federal financial aid earned excluding federal loans. Federal Title IV assistance must be returned according to federal guidelines as outlined in the above "Withdraws and Refunds" section. If there is a credit balance remaining on the student account after all calculations are complete, a refund will be issued to the student.

A withdrawal date will be determined for students who take incomplete grades and are not able to complete the remaining courses before the sixth week of the next semester based on the last date of attendance during the semester they were called to active duty. For these students, the refund will be calculated based on the policy outlined above.

*The preceding policy is part of the financial contract the student makes with the College. Westminster College assumes that by entering the College and registering the student accepts these terms. All students are required to sign promissory notes. No other contract or promise is binding on the College unless it is in writing and signed by the President, Vice President and Dean of Faculty, or Vice President for Business and CFO.*

*Registering the student accepts these terms. All students are required to sign promissory notes. No other contract or promise is binding on the College unless it is in writing and signed by the President, Vice President and Dean of Faculty, or Vice President for Business and CFO.*

# FINANCIAL AID

## SCHOLARSHIPS AND FINANCIAL AID

Financial aid awards are made without regard to the race, sex, religion, color, sexual orientation, or national or ethnic origin of the applicant. In no case shall a student's total aid award exceed the total estimated annual cost of attending Westminster. All applicants for need-based financial aid must complete the Free Application for Federal Student Aid (FAFSA) to determine aid eligibility for federal and state support and to be considered for institutional aid. The Director of Financial Aid is the only person authorized to make offers of financial aid on behalf of the College.

The financial aid letter will fully state the terms and conditions of the award. Read your letter carefully! Many of the terms and conditions pertaining to your financial aid are not mentioned in this catalog. Unless specifically noted in the financial aid letter, all financial aid is made on the assumption that the recipient will be on campus and enrolled as a full-time student for the entire academic year. Should this change, the financial aid will be pro-rated. When appropriate, financial aid credit will be applied to the recipient's account at the rate of one-half the awarded amount per semester.

The Director of Financial Aid determines whether a student satisfies the stated conditions for eligibility for financial aid. However, mitigating circumstances are taken into consideration when eligibility is determined. Students may appeal the Director's decisions regarding their eligibility for financial aid to a committee composed of the Dean of Students, the Vice President and Dean of Faculty, Vice President of Enrollment Services, the Associate Dean of Student Success, and a representative from the Office of Business Affairs. Such appeals should be made in writing to the Director of Financial Aid.

## Types of Financial Aid Available

Financial aid may be classified into four categories: grants, loans, employment and scholarships. The remainder of this section deals with each individual category. A student's total financial aid for a given year may include several types of aid. Westminster College encourages students to explore all avenues of assistance. In some cases, Federal Title IV financial assistance is available to qualified student applicants whose enrollment period includes a program of study abroad that is approved for credit by Westminster.

The first step in applying for (or renewing) any of the grants described below, Federal College Work-Study, or a Federal Stafford Loan is the submission of the Free Application for Federal Student Aid. Priority for Supplemental Educational Opportunity Grant (SEOG) are given to students who are accepted for admission and whose financial aid application results have been received on or before November 15th.

Priority for all college-based grants and scholarships, as well as other federal student aid programs, is given to students who are accepted for admission and whose financial aid application results are received on or before March 31st.

## GRANTS

### Federal Pell Grant

Eligibility for a Federal Pell Grant is determined on the basis of financial need. Eligible students may receive up to \$6895 per year, depending on need and program funding.

### Federal Supplemental Educational Opportunity Grant (FSEOG)

These grants are federally funded and are administered by the College. Grants are awarded to students demonstrating exceptional financial need. Priority is given to students who have been accepted for admission and whose financial aid application results have been received by November 15th.

### Access Missouri Award

Missouri residents who file the FAFSA by February 1 with an EFC (Expected Family Contribution) of \$12,000 or less will be considered for an Access Missouri Award up to \$2,850. Students must be enrolled full-time to receive this award. This program is administered by the Missouri Department of Higher Education and Workforce Development and is subject to budget appropriations. Students must maintain a cumulative grade point average of at least 2.50/4.00 to be considered for renewal.

### Westminster Grant

These grants may be awarded to freshmen and upper-class students who demonstrate financial need. Grants are awarded for one academic year. Renewal is contingent upon current funding levels and the student's annual submission of the Free Application for Federal Student Aid (FAFSA), demonstrated financial need, maintaining satisfactory progress toward a degree, and remaining in attendance for the full period for which the grant is allowed. A prospective student's application for financial aid will not be considered until the applicant has been admitted to the College.

### Federal Direct Subsidized Student Loan

Loans of up to \$3,500 per year for freshmen, \$4,500 for sophomores and \$5,500 for juniors and seniors are available to students who file the FAFSA and demonstrate financial need. Interest does not accrue until six months after the student ceases to be enrolled at least half-time. The fixed interest rate for borrowers is 4.99%. Monthly repayments of at least \$50 begin six months after the borrower ceases to be a half-time student and may extend over a 10-year period. An origination fee of 1.057% will be deducted from the loan proceeds prior to disbursement. Further information is available from the Office of Financial Aid.



### Federal Direct Unsubsidized Student Loan

Students who are determined to be ineligible for the maximum subsidized amount of the Federal Student Loan may borrow under the Federal Unsubsidized Student Loan Program. The combination of Federal Subsidized Stafford Loan and Federal Unsubsidized Student Loan may not exceed the annual and aggregate limits for loans under the Federal Student Loan program. The interest rate of the Federal Unsubsidized Student Loan is 4.99%; the interest, however, begins accruing at the time of disbursement. An origination fee of 1.057% will be deducted from the proceeds prior to disbursement. Further information is available from the Office of Financial Aid.

### Federal Direct PLUS Loan

Parents of dependent students may borrow funds under the Federal PLUS Loan program, provided they do not have an adverse credit history. The cost of attendance at the institution where you are enrolled and the amount of financial assistance awarded to each student determine the maximum amount that may be borrowed. The fixed interest rate for borrowers is 7.54%. An origination fee of 4.228% will be deducted from the loan proceeds prior to disbursement. Further information is available from the Office of Financial Aid.

### EMPLOYMENT

Westminster offers a limited number of part-time jobs to students needing financial assistance through the Federal Work-Study Program (FWSP) and College Employment. The Federal Government and Westminster College jointly funds the FWSP. College Employment is funded entirely by Westminster. It is the student's responsibility to secure the position. The Office of Financial Aid will assist with the process upon request. Employment opportunities are limited and available on a first come, first serve basis to those students who demonstrate financial need, according to the FAFSA.

### SCHOLARSHIPS

#### Outside/Private Scholarships

Scholarship aid that has been secured from sources outside Westminster College must be reported to the Office of Financial Aid. Receipt of an outside award may result in a revision of the financial award offered by Westminster. Receipt of a full-tuition scholarship from a source outside of Westminster College will exclude a student from receiving the monetary value of a Westminster College scholarship because institutional scholarships are tuition specific. Students will receive recognition of a Westminster award and should an outside scholarship be forfeited; the College would review its offer subject to the stipulation of the program.

#### Army Reserve Officer Training (ROTC) Scholarships

Army ROTC scholarships are available on a competitive basis for two, three and four years of study. Qualified students may compete for ROTC scholarships on both a local and regional basis and applicants need not be currently enrolled in ROTC classes. The value of the scholarships is announced annually. To be competitive for Army ROTC scholarship support, applicants should present an ACT score of 19 or greater and a grade point average of 2.5 or greater.

Recipients of the ROTC four-year scholarship who reside in college housing may also qualify for the Davidson Scholarship,

which pays for the cost of the room. Recipients of the ROTC three-year Advanced Designee Scholarship will receive the equivalent of tuition charges in financial assistance for the freshman year at Westminster.

#### Air Force Reserve Officer Training Corps (AFROTC) Scholarships

The Air Force Reserve Officer Training Corps (AFROTC) provides you the opportunity to become a United States Air Force officer while completing your college degree. The program combines traditional undergraduate education with military instruction and will prepare you to tackle the leadership challenges awaiting the Air Force in the 21st century. Each semester you will enroll in an AFROTC class in conjunction with a two-hour Leadership Lab in which your classroom learning will be put to the test.

High School Seniors: Air force ROTC offers an excellent scholarship program for highly qualified students. Many of these scholarships pay full tuition. All of the scholarships include an annual textbook allowance and a tax-free monthly stipend during the academic year. The high school scholarship application period runs from May of your junior year until Dec 1 of your senior year. Competition is based on the whole-person concept. Please visit the [AFROTC website](#) for the most current scholarship information.

In-College Students: You can join AFROTC your freshman or sophomore year and compete for one of the many scholarship offers that we reserve specifically for college students. In-College scholarship tuition dollar amounts vary. However, all scholarship recipients receive an annual textbook allowance and a tax-free monthly stipend. Visit the [AFROTC website](#) for the most current In-College scholarship information.

To enroll in AFROTC your freshman/sophomore year you must be:

- A full-time student at a college that offers Air Force ROTC as a host school or cross-town school
- At least 14 years old (17 for scholarship recipients)
- In good physical condition
- Of good moral character

After graduation from college and successfully completing all Air Force ROTC requirements, you receive a commission as a second lieutenant with an obligation of four years of service in the active-duty Air Force. Pilots incur a ten-year commitment from the date you graduate from pilot training. A few additional career fields require a six-year commitment.

#### Alumni/Sibling Awards

Alumni/Sibling awards of \$1,000 per year are available to new students who are the brothers, sisters, sons, daughters, grandsons or granddaughters of Westminster alumni. These scholarships are renewable as long as the recipient maintains satisfactory academic progress. In the case of siblings entering the same year, each student will receive a \$500 award.

## Westminster Scholarships

The scholarship program at Westminster College was established to recognize and encourage scholastic achievement. The program is administered by the Office of Admissions. For consideration of a Westminster scholarship, students must apply for admission and be granted admission.

Many scholarship awards are made without regard to financial need. All applicants are strongly encouraged to apply for all types of assistance, for which they may be entitled. If an applicant submits a financial aid application and shows financial need in addition to scholastic merit, the scholarship award becomes part of the total financial aid eligibility.

### Scholarship Endowments

- Frank A. and Barbara A. Absher Endowed Scholarship
- Chester and Helena Alexander Award
- John J. Andrews and Anna K. Andrews Mathematics Award
- Richard D. Arnold Endowed Scholarship
- Dick Ault Scholar-Athlete Scholarship
- Claiborne L. Barber Endowed Scholarship
- William T. & Christopher Warren Barnes Endowed Scholarship
- Barrow Family Memorial Scholarship
- Bruce K. Barrow Memorial Scholarship Barthel Scholarship Endowment
- Barthel Scholarship Endowment
- Bates Family Scholarship Endowment
- Ovid H. Bell Endowed Scholarship
- Bennett Family Scholarship
- Leslie Hamilton Blair Endowed Scholarship
- Dr. William and Judith Blank Pre-Med Scholarship
- Dr. William Bleifuss Memorial Scholarship
- Bloom Family Scholarship Endowment
- Reese Bowen Boyce Endowment Scholarship
- Walter A. Boyd, Jr. Award
- Mary Burton Bridgewater Scholarship
- Hugh M. Briggs Scholarship Endowment
- Brookby Family Scholarship
- Robert Michael Brown Memorial Scholarship Fund
- Chase A. Brumm Memorial Scholarship
- Beta Theta Pi, 125<sup>th</sup> Celebration Endowed Scholarship Fund
- James Bruce Campbell Endowed Scholarship
- Dr. John G. Campbell Memorial Endowed Scholarship
- George W. Bartley and George A. Campbell Scholarship Fund
- James Angus Carr Memorial Scholarship
- Peter Allan Childs Endowed Scholarship
- Joe B. Clarke, Jr. Endowed Scholarship
- Class of 1956 Endowed Scholarship
- Samuel John Coultas Memorial Scholarship Bill
- Brevator J. and Mary Richards Creech Memorial Scholarship Endowment
- Bill Cross Endowed Scholarship
- Crump/Detweiler/Baker Scholarship Endowment
- Dr. John Rood Cunningham Endowed Scholarship
- William L. and Martha O. Cutler Endowed Scholarship
- Leif C. Dahl Memorial Endowed Scholarship

Throughout the history of the College, many alumni and friends have provided scholarship funds for the sole purpose of assisting students. We are forever grateful to the family and friends whose combined gifts and scholarship enable the College to award its merit-based Westminster scholarships. Criteria for the following awards may be obtained from the Office of Financial Aid.

- Westminster's Dames Endowed Scholarship
- James L. Darling Memorial Scholarship Fund
- Robert L.D. and Lois B. Davidson Scholarship Endowment
- Cameron and Jessie Day Prize in Biology
- Abraham L. and Kathryn L. Detweiler Endowed Scholarship
- John Dorsch Scholarship
- A. Randle Elliott Memorial Scholarship
- Sara Elliott Memorial Scholarship
- Robert L. Epperson - Phi Kappa Psi Scholarship
- William D. Felder Delta Tau Delta Leadership Scholarship
- Thomas Henry Forrester, Jr. Scholarship Endowment
- Helen C. Foster Scholarship Fund
- Stephen Leigh Bransford Frailey Memorial Scholarship Endowment
- Robert Porter Galloway Memorial Scholarship
- Hoyt D. Gardner Scholarship in Premedical Education
- Clifford Willard Gaylord Foundation Scholarship
- Dr. C. Stewart & Dr. William L. Gillmore Endowed Scholarship
- Frank N. and Louise Gordon Endowed Scholarship
- Gore Family BKD, LLP Accounting Scholarship
- Jane Maughs Grant Memorial Scholarship Endowment
- James D. Grigsby Endowed Scholarship
- Dr. John B. Grow Endowed Scholarship
- Nollie & Prudence Guerrant Memorial-DAR Scholarship
- Allen D. and Jane B. Harper Endowed Scholarship
- Ramey Wilson Harper Memorial Scholarship
- S. Rodney Hastings Endowed Scholarship
- Ernest Hazel, III Endowed Scholarship
- William Randolph Hearst Endowed Scholarship
- With a Little Help from My Friends: Daniels, Head, and Freiburg Scholarship
- E. C. "Slick" Henderson, Jr. Scholarship Fund
- Judy and Thomas H. Hicks Endowed Scholarship
- James B. Hight Endowed Scholarship
- Dr. Ernest H.K. and Evelyn Hillard Endowed Scholarship
- Dr. Paul S. Hoe Memorial Scholarship Fund
- Robert G. and Ruth H. Hoerber Scholarship
- James P.V. Howell Endowed Scholarship
- Margaret McDonald Jaeger Psychology Endowed Scholarship
- John R. Johnson Endowed Scholarship
- Christopher S. and Joyce T. Jones Memorial Scholarship Fund
- Edward Jones Endowed Scholarship
- Kappa Alpha Order Endowed Scholarship

- Kappa Alpha Theta Founders Scholarship
- Dr. John B. Kelly Endowed Scholarship
- Pat Kirby Endowed Scholarship
- Ronald J. Kostich Endowed Scholarship
- Coach Don Kuhn Endowed Scholarship
- John B. LaMar Endowed Scholarship
- Clarence C. Lang Memorial Scholarship Endowment Fund
- Kenyon S. Latham Endowed Science Scholarship
- Henry John Latshaw, III Memorial Endowment Fund
- Richard Keating Lieser Jr Memorial Scholarship
- Ross Livermore Memorial Scholarship
- Judge George B. and Charles R. Macfarlane Scholarship
- Jack Marshall Scholarship
- Mauze Family Endowed Scholarship
- P. Nicholas McDaniel Endowed Scholarship
- McFarland Family Scholarship
- John McKamey Scholarship Fund
- Dr. Karl V. McKinstry Memorial Scholarship
- Connie Jean Meyer Scholarship Fund
- Ned O. Miller Memorial Leadership Scholarship
- Dr. Therese A. Miller Endowed Projects for Peace Award
- George W. F. Myers Endowed Scholarship
- Neel Trustee Scholarship
- Mr. and Mrs. T. J. Neukomm Scholarship Endowment
- Nierenberg Family Scholarship Fund
- Jarrett Kellogg Parker Scholarship - Loan Fund
- C.H. and Martha Parkins Endowed Scholarship
- Dr. William E. Parrish Academic Scholarship
- William E. Pearce Endowed Scholarship
- John S. Penney Endowed Scholarship
- Paul M. and Mildred E. Peterson Scholarship Fund
- Vernon W. and Marion K. Piper Scholarship for Overseas Study Endowed Scholarship
- Jim Reed Family Endowed Scholarship
- Sally W. Reynolds Endowed Scholarship
- Dr. Ralph and Mrs. Eleanor Rinne Pre-Medicine Scholarship
- Jane Elizabeth Roche Webb Endowed Scholarship
- W. Philip and Mildred M. Ross - Lewis County and Knox County, Missouri Scholarship
- Frederick Randolph Rosser Scholarship Fund
- Harry L. Ryburn, Jr. Memorial Scholarship Fund
- William Sausser Scholarship Fund
- Dr. John E. Schultz Endowed Chemistry Scholarship
- Harry N. Schweppe, Jr. Memorial Scholarship
- Shields Family Scholarship
- John E. Simon Endowed Scholarship
- F. Brooke Sloss Memorial Endowed Scholarship
- Lieutenant Raymond E. Smallwood Memorial Scholarship Fund
- Robert Lee Smyth Memorial Scholarship Fund
- Frank Woolford Sneed Memorial Fund
- Bryant P. Sprague Pre Med Scholarship
- Dr. Robert E. Stufflebam Endowed Scholarship
- Southwestern Bell Telephone Company Endowed Scholarship
- Sweazey Family Scholarship Endowment
- Taylor Family Endowed Scholarship
- L. Norman Thornton Memorial Athletic Scholarship Fund
- Gupton A. and Grace S. Vogt Scholarship Endowment Fund
- Dr. Robert G. Volz Scholarship Fund
- Linda Doolin Ward Endowed Scholarship
- Frank W. Way Family Scholarship Endowment
- George L. & Marie E. Weaver Endowed Scholarship
- Dr. and Mrs. Marion A. Webb Scholarship Endowment
- Frank B. Whitbeck Scholarship Fund
- H. Clinton White Memorial Scholarship Endowment
- W. C. Whitlow Outstanding Senior Phi Delta Theta Scholarship
- George H. Williams Endowment Fund
- Ron & Dianne Winney Endowed Scholarship
- Woodward Family Endowment Fund
- Marvin O. and Sue C. Young Endowed Scholarship
- Philip H. Young Memorial Scholarship
- Dr. Peter and Jane Yu International Student Scholarship
- Zeta Zeta Alumni Endowed Scholarship

#### Restricted Scholarships

- ACE Scholarship Fund
- John T. Baumstark, Sr. Scholarship
- Cranshaw Scholarship
- Davis United World College Scholars Fund
- Epperson - Phi Kappa Psi Restricted Scholarship
- Fulton Colleges Board of Associates
- Kappa Alpha Order Annual Scholarship
- Missouri Colleges Fund Scholarship
- Metro St. Louis High School Annual Scholarship
- Morton Family Annual Scholarship
- Peter C. Myers, Jr. Scholarship
- Washington D.C. Internship Scholarship

In addition to Westminster merit-based scholarships, the College also awards academic scholarships. These scholarships, initially designed as freshmen-based awards, are renewable for each of the three academic years immediately following the year of the initial award. No scholarship will be renewed for an amount greater than the original award. Scholarship renewals are determined annually following the spring semester.

### Churchill, Trustee's, and President's Scholarships

Freshman applicants for the 2022-2023 academic year will be considered for the following merit scholarship upon acceptance to the College.

Highschool GPA		SAT		ACT	Merit Scholarship
4.00+	OR	1360+	OR	30+	Churchill \$19,000
3.75-3.99		1300-1350		28-29	Trustee's \$17,000
3.50-3.74		1200-1290		25-27	President's \$15,000
3.00-3.49		1100-1190		22-24	Dean's \$13,000
Under 3.00		Under 1100		Under 22	Leadership \$11,000

In the event that a scholarship recipient subsequently receives financial aid from another source, the total financial aid eligibility will be re-evaluated.

### Transfer Merit Scholarships

Transfer applicants for the 2021-2022 academic year will be considered for the following merit scholarships upon acceptance to the College. Eligibility is based on the applicant's prior college GPA.

Award	Annual Amount
Phi Theta Kappa Scholarship	\$19,000
Honors Transfer Scholarship	\$17,500
Columns Transfer Scholarship	\$16,000
Founder's Transfer Scholarship	Up to \$13,500

### Maintaining Financial Aid Eligibility

Students must make Satisfactory Academic Progress towards earning a degree as stipulated in the chart below to receive financial aid at Westminster College from all Federal, State and institutional programs.

Total hours completed and recognized by Westminster College for degree completion	0-26	27-56	57+
Minimum Cumulative GPA	1.65	1.85	2.00
Minimum % of total hours completed (Measured as hours earned ÷ hours attempted)	67%	67%	67%
Maximum total hours attempted allowed to complete degree requirements for current primary program of study.	150% of the specific degree programs published length of 122 hours completed, which is 183		

### Standards of Academic Progress (SAP) Evaluation

- SAP is calculated annually after the spring semester following the student's first term of enrollment as a regular degree-seeking student, including new students who are admitted on academic probation.
- Quantitative (hours attempted and earned) and qualitative (cumulative GPA) SAP progress is measured.
- Changes in major may alter your SAP status, which is based upon the current degree level pursued; therefore, if you change majors, you may be permitted to go beyond the 183 attempted hours.
- Students meeting the standards listed above when calculated will be in SAP Good Standing.
- SAP Suspension will be imposed for students not meeting the requirements shown above, and they will be ineligible for financial aid during the period of suspension. (See Appeals.)
  - Rules are applied uniformly to all students for all periods of enrollment whether or not aid has been received previously.
  - Students who are on academic dismissal will be on SAP Suspension (See Appeals.)



3. Eligibility is reestablished after the student improves their academic record to meet the minimum standards or an appeal due to unusual and/or mitigating circumstances is approved.
4. Students are held responsible for knowing SAP eligibility criteria and their status at the end of each academic year. Please contact the Office of Financial Aid if questions arise.

### Grades

1. All courses taken at Westminster College and those courses transferred to Westminster College are counted as hours attempted regardless of grade assigned. This includes courses which end as incompletes, failed, repetitions or withdrawn after the 17<sup>th</sup> day of class each semester.
2. Only courses for which final grades are issued are recognized by the Westminster College Registrar's Office as acceptable for progressing toward degree completion and will be counted as earned.
3. Courses shown as failed, incomplete, withdrawn, or concluded with no grade submitted count as hours attempted and not earned. Additional courses with non-passing results are counted similarly.
4. All courses designated as repeated for grade improvement count as hours attempted, but only count once if passed as hours earned.
5. Courses attempted repetitively for credit count as both hours attempted and if passed as hours earned.
6. Audit and Non-credit classes are ineligible for financial aid and do not count in SAP calculations. The official institutional GPA determined by the Westminster College Registrar's Office is used for all qualitative measures.

### Additional Earned Credits

1. Credit hours earned by testing or other non-standard means are counted in the SAP calculations as both hours attempted and earned. This includes hours earned from Credit by Exam, CLEP and CEEB Tests, AP and IB Courses, and Foreign Language Placement.
2. All credit hours applicable to the current degree pursuit attempted through study abroad programs, off-campus programs, and through Consortium Agreements with other institutions count in both attempted and earned calculations.

### Transfer Students

1. Transfer students with no grade history at Westminster College will enter on SAP Good Standing
2. Complete academic transcripts for work attempted at other institutions are expected to be submitted to the Office of Admissions before the beginning of their first semester at Westminster College. A standard SAP calculation including this work and Westminster College hours will be run by the next scheduled increment.
3. Students failing SAP will be placed on SAP Suspension, and they will be ineligible for financial aid during the period of suspension. (See Appeals.)

### Re-admit Students

1. Former Westminster College students who were not enrolled at Westminster College for the most recent semester will re-enter at the SAP status earned at the end of their last Westminster College enrollment.

### Appeals and Reinstatement

1. SAP Suspension may be appealed if unusual and/or mitigating circumstances affected academic progress. Such circumstances may include a severe illness or injury to the student or an immediate family member, the death of a student's relative, student activation into military service or other circumstances as deemed appropriate for consideration by the SAP Appeals Committee.
2. To appeal, the student must submit a letter to the Office of Financial Aid no later than 15 business days before the beginning of the semester for which reinstatement is desired. This should explain in detail why they failed to meet the minimum SAP standards, what unusual and/or mitigating circumstances caused the failure, and how their situation has improved to allow the student to meet the SAP standards at the next evaluation.
4. The SAP Appeal Committee's decision will be sent to the student by mail or electronic means. Approvals will be granted for students who will be able to meet SAP standards by the end of the next payment period, or the student will be placed on an academic plan that will ensure the student is able to meet SAP standards by a specific point in time.
5. Appeal approval notifications will give the conditions and timeframe for maintaining aid eligibility.
6. Students with approved appeals will be placed on SAP probation for the next enrollment period. At the end of that enrollment period, the student's SAP status will be re-evaluated. In order for the student to remain eligible for financial aid, the student must be meeting the SAP standards or successfully following the academic plan provided in the SAP probation letter.
7. SAP Appeals Committee decisions cannot be appealed to another source.
8. Students who raise their cumulative standards to equal or exceed the minimum requirements should contact the Director of Financial Aid to see if they may be reinstated to SAP Good Standing from that point forward.
9. The SAP Appeals Committee members are the Dean of Student Life, Associate Dean of Faculty, and the Registrar.

# STUDENT LIFE

A Westminster education is much more than the completion of a series of academic courses but also lessons that extend beyond the classroom. These lessons occur outside formal classes, in student organizations, residential experiences, campus activities, service projects, and internships. The Division of Student Life supports the college's mission by fostering an inclusive student body and empowering students with tools and opportunities to pursue well-being.

Following are brief explanations of the office and services provided by Student Life. Much more detail is available on the website and in the [Student Handbook](#).

## Residential & Greek Life

The Office of Residential Life is an integral part of the educational program and support services at Westminster College. Our campus housing facilities and trained hall staff provide a significant co-curricular learning experience for all Westminster students. Our Residential Life staff strives to create an engaged and supportive community while providing enriching learning opportunities through campus and hall programming.

All of our campus housing facilities and relevant policies are founded with the College's four core values in mind: fairness, integrity, respect and responsibility. These values serve as the guiding principles for all Westminster students, and they are expected to uphold these values while living in College owned, managed, or approved housing facilities. Policies regarding college facilities, the residency policy, exemptions to the residential policy, campus meal plans, roommate assignments, and other housing policies and procedures may be found in the Residential Life Policies section of the [Student Handbook](#).

Westminster College has a long, rich tradition of Greek Life dating back to the late 1800s. Currently there are approximately 47% of our student body active in fraternity and sorority life on campus. The Office of Greek Life provides advising support and educational programming for all of our Greek organizations. Fraternities and sororities offer endless opportunities for developing leadership skills, networking, interpersonal skills, engaging community service, and promoting academic success.

Westminster hosts three sororities and six fraternity organizations on campus. The Interfraternity Council (fraternity governing board) and Panhellenic Council (women's governing board) both host a recruitment period for fraternities and sororities in the fall semester. This is a great opportunity for students to learn more about the history and many successes of our Greek organizations, and determine whether Greek Life is a good option for them.

## The Wellness Center

Westminster College is committed to the promotion of healthy lifestyles and a wellness model that includes six dimensions: social, emotional, physical, vocational, mental, and spiritual. The Wellness Center provides services and activities to the Westminster College community which promotes the development of healthy

lifestyles and the acquisition of problem-solving and decision-making skills. The Wellness Center is staffed by a variety of health care professionals who provide individual consultations for personal, social, family, and health concerns. The Wellness Center includes three different

programmatic areas: Counseling Services, the Student Health Clinic, and the Wellness Program.

## Counseling Services

The counseling staff works with individuals and groups who request help with a wide variety of concerns, including relationship and family concerns, stress and anxiety, substance abuse, eating disorders, educational and career alternatives, communication skills, questions/concern about sexuality, depression, and spiritual concerns. Consultation services are available to student groups concerned with issues that arise from the college environment. Wellness Center staff members are available for consultation with any College personnel who deal with student concerns. Congruent with The Wellness Center's philosophy and professional ethics, counseling relationships are voluntary and confidential.

## Student Health Clinic

The Student Health Clinic is staffed by a nurse practitioner, and its services are provided for all students. The Clinic offers students unlimited clinic visits for acute and minor illnesses, minor injuries, allergy injections, well-woman and man exams, and the management of chronic illnesses. It also provides some in-office laboratory services. Should outside laboratory services be necessary, the student will be charged a reduced at-cost fee or the cost will be processed through the student's medical insurance. Likewise, should a student need care beyond the scope of the on-site clinic (e.g., x-rays and pharmaceuticals), the student will be responsible for these charges. Emergencies are handled at the Fulton Medical Center where a physician is always on duty.

## Wellness Program

Helping students make informed, responsible lifestyle decisions is the primary aim of our **Wellness Program**, which is comprised of the **Nutrition Services**, **BASICS alcohol reduction program**, and **Outreach Programs**. All of these services are offered at no charge to Westminster students.

## Student Health Forms and Required Immunizations

All students are required to complete a Student Health form that will be confidential and placed into the student's chart upon arrival to campus. All new full-time students entering Westminster College must have documented proof of measles, mumps and rubella, meningococcal vaccine, and Tdap immunity, and a questionnaire screening for tuberculosis (if positive screening, further testing is required). This documentation is required prior to class attendance. Documentation of immunity may be accomplished by a) written proof of vaccination or b) proof of immunity by titer (a blood test). Note: Exemptions from these requirements may be accepted by the institution for medical or

religious reasons. If a measles, mumps or rubella outbreak occurs, all students who do not have the appropriate immunity documented through the college may be required to leave campus. Westminster College does not require the hepatitis B or the HPV vaccine; however, we strongly encourage students to receive these vaccinations. Any significant change in a student's health should be brought to the attention of the Executive Director of the Wellness Center.

### Required Health Insurance

Westminster College along with other institutions of higher education require health insurance as a condition of enrollment for all full-time students. Students who are US citizens and have health insurance coverage through parents or elsewhere will not be required to buy the college-sponsored plan. However, the students must opt out each year that they will not need coverage by completing the [online form](#) before the deadline established each semester. *Please note:* Students will automatically be billed for the insurance premium unless they opt out.

### Spiritual Life

The Office of Spiritual Life seeks to nurture faithful practice, encourage students to ask big questions, create meaningful community and journey with students in vocational discernment. Regular programming under the categories of Mind, Body, Spirit, and Community provide opportunities for conversation about core values, self-reflection and purposeful practices. The Chaplain/Director of Center for Faith and Service and the Coordinator of Community Engagement/Chaplain Resident serve as campus chaplains for a diverse, multifaith community. The Church of St. Mary the Virgin, Aldermanbury, located with the Churchill Museum – an important component of campus life and reflects the religious heritage of Westminster College as a Presbyterian-related institution, and the Interfaith Prayer Space, located in CFS, offer a place for quiet reflection, meditation, and prayer for any students, faculty, or staff who wish to use it.

### Community Engagement

The Office of Community Engagement promotes mutually beneficial connections between the Westminster campus community and surrounding communities. Community engagement connections take the forms of service opportunities, speakers, and partnerships with local organizations; examples include facilitating First Year Experience service opportunities, the annual Alternative Spring Break, connections to local non-profits for short and long-term volunteering, and donation drives and fundraisers in response to emergent needs. The Office of Community engagement tracks student service hours and gives annual awards recognizing outstanding service by members of the Westminster community, such as the Drosten Cup.

### Intercultural Engagement

The Office of Intercultural Engagement facilitates opportunities where members of the Westminster College community can gain the tools to thrive in today's diverse reality in addition to developing the ability to better engage people with divergent worldviews and experiences. The Office of Intercultural Engagement understands that diversity is a fact of today's world and offers programs such as the annual Colors of Westminster Retreat and Diversity Dialogues that are centered on constructively engaging difference from a place of authenticity. Additionally, this Office also supports the needs and concerns of

historically underrepresented student populations and multicultural student organizations. Together with these student populations and organizations, the Office cultivates awareness and celebration of the strength in diversity among the members of the Westminster community. This Office is staffed by a recent Westminster alum serving as a Student Life Fellow: Diversity and Inclusion emphasis.

### Student Involvement

This office is charged with training and developing student organization leaders, and providing fun and engaging activities for the entire campus. Westminster currently offers over 40 student clubs and organizations. Campus Activities Board and the Student Government Association are also based out of the Student Involvement Office. Every student should have the experience of participating in student organizations and student activities.

### Athletic Department

Westminster College is a member of the National Collegiate Athletic Association (Division III) and the St. Louis Intercollegiate Athletic Conference. Westminster fields teams for men in baseball, basketball, football, golf, soccer, cross country/track and field, tennis, and wrestling. Women compete in basketball, cross country/track and field, golf, soccer, softball, tennis, volleyball, and wrestling. Football is a member of the Upper Midwest Athletic Conference.

### Intramurals

The intramural program provides exercise, recreation, and the practice of good sportsmanship in an atmosphere of healthy, spirited competition. This program offers both men's and women's intramural sports tournaments and games throughout the fall and spring semesters at Westminster.

### Student Publications

Students may earn college credit while gaining practical experience in journalism and campus publications. *Janus* is published under the supervision of the English Department. *Janus* is published and available for distribution before the end of spring semester with partial funding from the Student Government Association.

### Student Conduct

Students enrolling in Westminster College are expected and required to conduct themselves in a manner consistent with the College's function and mission as an educational institution. By registering as a Westminster student, one assumes an obligation to live according to the values of integrity, fairness, respect, and responsibility and to comply with all generally accepted standards of conduct. Conduct which contravenes such standards includes violations of the rules, regulations and restrictions contained in the Westminster College Catalog, the Student Life Handbook, the Student Government Association Constitution, the Honor Code, and all other rules, regulations and restrictions of the College, whether written or oral, as well as violations of the laws of the city, state, or nation. More specific information is contained in the [Student Handbook](#).

# WITHDRAWAL POLICY AND INFORMATION

## Drop/Withdrawal Deadline Information for Fall and Spring Semester

- Drop Deadline (no transcript notation): 7<sup>th</sup> Day of Classes
- Withdrawal Deadline (with transcript notation of WP or WF): 50<sup>th</sup> day of classes
- Medical Withdrawal (from one or all classes with transcript notation of W): Two weeks before the last day of semester classes. After this date, a student may be eligible to receive incomplete grades at the discretion of their professor(s).
- Involuntary Non-Medical Withdrawal (from one or all classes with transcript notation of WP or WF): 50<sup>th</sup> Day of Classes
- Involuntary Medical Withdrawal (from one or all classes with transcript notation of W): Two weeks before the last day of semester classes.

*Note: All voluntary withdraws must be completed on MyWC and require advisor approval. Withdrawal grades are considered hours attempted for the semester and will be included in the semester course load for billing. Please see below for additional information on all withdrawal options.*

## Drop/Withdrawal Deadline Information for Three Week Term, Six Week Terms and Mid-Semester Classes

- Drop Deadline for three-week term (no transcript notation): 2<sup>nd</sup> Day of Classes
- Drop Deadline for six-week term (no transcript notation): 3<sup>rd</sup> Day of Classes
- Drop Deadline for mid-semester classes (no transcript notation): 4<sup>th</sup> Day of Classes
- Withdrawal Deadline for three-week term (with transcript notation of WP or WF): 11<sup>th</sup> Day of Classes
- Withdrawal Deadline for six-week term (with transcript notation of WP or WF): 21<sup>st</sup> Day of Classes
- Withdrawal Deadline for mid-semester classes (with transcript notation of WP or WF): 25<sup>th</sup> Day of Classes

The instructor for the course must submit a grade for the student's work in the course to the date of withdrawal. On the basis of this grade, either a WP (Withdraw Passing) or a WF (Withdraw Failing) is recorded on the student's transcript. Neither a WP or WF enters into the computation of the student's grade point average (GPA). Students who do not complete the procedure for withdrawing from a course by the end of the prescribed period will receive a regular passing or failing grade at the end of the semester.

## Official Withdrawal Date

The official date of withdrawal for academic purposes and for federal financial aid purposes will be the last date of academic attendance or participation in an academically-related activity; however, the institutional refund policy will be calculated based on the date the student notifies the Office of Student Life of withdrawal (by written statement).

## Medical Withdrawal

The college understands that certain health (physical or mental) circumstances can significantly interfere with the ability to be engaged in academic work; when this happens, a method for modifying one's course load should be available that minimizes negative consequences. The Medical Withdrawal policy allows students to withdraw from one, a few, or all of their courses without an academic penalty, i.e., the grade of "W" will be placed on the transcript and the student's grade point average will not be affected. Should a student want to consider a medical withdrawal – whether it be from all or just some courses – the student should involve their academic advisor, the Executive Director of the Wellness Center.

- \* *Parents or guardians are involved in this process when any of the following conditions are present:*
  - a) *The student is under 18 years of age*
  - b) *The student gives written permission for parents or guardians to be contacted and involved in this process*
  - c) *The student's health is endangered to the point that he/she/they are unable to understand the gravity of the situation or is incapable of making an informed and responsible decision regarding his/her/their academic and/or health care options.*
- \* *International students must consider their financial/scholarship status and how their financial eligibility may be impacted by a medical withdrawal from course credits. Additionally, only a medical doctor or clinical psychologist can provide documentation to grant a withdrawal that will change an international student's status to part-time to comply with federal regulations and visa status compliance.*

## Who Qualifies for a Medical Withdrawal

A student must be significantly affected by a health-related problem to the degree that he/she/they is unable to



successfully engage in academic work. The types of problems that qualify for a medical withdrawal range from situations affecting one's physical capabilities (i.e. significant and/or chronic physical ailments/illnesses) to severe mental health concerns. It is important to note that each medical withdrawal is determined on a case-by-case situation and having one of these challenges may not, alone, qualify individuals for this policy since many students are able to manage these health problems and succeed in their courses. However, a medical withdrawal is appropriate when the level of challenge exceeds one's ability to continue with the present course load.

### Verification by a Health Care Professional

A health care professional (i.e. medical doctor, nurse practitioner, licensed psychologist, licensed clinical social worker, etc.) must provide a statement that verifies that a significant physical or mental health concern exists and specifically how this is affecting the student's level of academic engagement. This letter should be sent directly to the Director of Counseling Services in the Wellness Center. This verification letter must include the following information

- a) A medical rationale/diagnosis and date initially seen
- b) The extent and timing of contact with the student (e.g., family physician, one-time visit, inpatient treatment, six-weeks of counseling) which must be more than 1 session or appointment to document progress
- c) The extent to which the physical and/or mental health concern is directly impacting the student's academic engagement
- d) A short prognosis/treatment recommendation and an estimate of future/potential missed days due to treatment/rehabilitation, etc.

### Extent of Withdrawal

The student may request a withdrawal from all courses, some courses, or just one course. When a slight reduction in the number of courses provides enough relief for the student to succeed in the remainder of his/her/their courses, the student may withdraw from only a course or two; however, in many cases the health concern is so serious that a withdrawal from all courses is appropriate. A partial withdrawal, if feasible, is encouraged in order to preserve any earned credit. The decision to request a partial or full withdrawal should be made with the consultation of the academic advisor, the health care provider, and a member of the Wellness Center Staff.

\*Note: It is important for international students to consider their financial/scholarship status and how their financial eligibility may be impacted by a medical withdrawal from course credits. Additionally, only the Executive Director of the Wellness Center (licensed psychologist) and/or other medical doctor or clinical psychologist can provide documentation to grant a withdrawal that will change an international student's status to part-time to comply with federal regulations and visa status compliance.

### Notification of Withdrawal and Medical Withdrawal Forms

The Notification of Withdrawal Forms are only available from the WC Cares Program Coordinator & Student Retention Specialist. If you are certain you will withdraw from all courses, use the Notification of Withdrawal form that requires you to collect signatures from requisite campus offices to state your reason for withdrawing and to indicate if your withdrawal will be for medical reasons if applicable:

1. Advisor
2. Financial Planning Office

3. Business Office
4. Residential Life (if applicable)
5. Global Educational Services Coordinator (if applicable)
6. Internship Coordinator (if applicable)

The student must meet with the Director of Counseling Services to complete required medical documentation, including provision of documentation verifying medical need for withdrawal. This completed form, along with medical documentation from your health care provider will provide enough information for the VP/Dean of Student Life/Executive Director of the Wellness Center and the Dean of Faculty to decide whether to approve or deny your partial or full medical withdrawal request. When a student is physically unable to initiate the process and gain the necessary signatures, they may designate a parent or other representative to do so. Signatures may also be received electronically from the student, advisor, and course instructor, if needed. A student may withdraw for medical reasons up to two weeks before the last day of semester classes. After this date, a student may be eligible to receive incomplete grades at the discretion of their professor(s).

Important Note: Until ALL signatures have been obtained for each course from which you are choosing to withdraw and documentation has been received from a health care provider, you should continue attending class(es). You are considered enrolled in the class until you receive official notification otherwise.

### Transcript Notations

If a student withdraws from all or some classes during the first seven days of the semester (regular drop period), he/she/they will be dropped from the class(es) without a transcript notation. If a student withdraws after the seventh class day, he/she/they will receive withdrawal grades (WP or WF) unless he/she/they is granted a Medical Withdrawal. Students who receive a medical withdrawal after the drop period and before the last two weeks of classes will receive the grade of "W" of their transcript.

### Financial Implications/Refunds

It is very important that students consult with the Financial Aid Office regarding the financial implications of medically withdrawing from course credits as future eligibility may be impacted. No refund will be made after the 7<sup>th</sup> class day of the semester. If the student withdraws prior to this date, he/she/they may receive a refund based on the refund schedule in the Westminster College Catalog. Questions regarding the refund should be directed to the Business Office and Financial Aid Office.

### Re-Admission

If a student withdraws from the college and wishes to return, he/she/they must re-apply and be accepted by the Office of Admissions to re-enroll. If the student fully withdraws for medical reasons they will be required to submit medical documentation to the Wellness Center in conjunction with their readmission application. It is not possible to withdraw from a course after the end of the withdrawal period except for military activation or medical reasons. A student may withdraw for medical reasons up to two weeks before the last day of semester classes. After this date, a student may be eligible to receive incomplete grades at the discretion of their professor(s). Withdrawal for medical reasons does not release a student from any financial obligations to the College.

### **Involuntary Withdrawal (Non-Medical)**

When it is determined that a student is no longer engaged in the academic process (not attending classes, not completing class work, etc.), and has not responded to interventions developed by the Academic Review Board, the Academic Review Board may decide to administratively withdraw the student who has not attended after the 50<sup>th</sup> class day from the College. In addition, when, in the judgement of the Vice President/Dean of Student Life and the Wellness Center health care provider, a student's behavior constitutes a disruption or danger to the living/learning environment which the college seeks to create, or presents a threat to the health and safety of the student or others, the College has the right to intervene. The College may execute an involuntary withdrawal when a student engages in behavior that poses a danger of causing harm to themselves or others, or disrupts the learning environment. Such dangerous and/or disruptive behavior may be in the form of a single behavior incident or somewhat less severe but persistent dangerousness or disruption over an extended period of time. At the time of involuntary withdrawal, the instructor for the course must submit a grade (either a WP 'Withdrew Passing' or a WF 'Withdrew Failing') for the student's work in the course to the date of withdrawal, will be noted on the student's transcript and does not calculate into the student's grade point average (GPA).

### **Involuntary Medical Withdrawal**

Westminster College strives to maintain a safe and healthy environment that is supportive to one's academic and personal goals. An involuntary medical withdrawal is an action initiated in extraordinary circumstances for medical, mental health, and/or substance misuse related concerns that are impacting one's ability to function safely within the college environment. The college will make every effort to provide support and counseling within the scope of its mission but may deem the student's needs are beyond the capabilities of the services we provide. The college reserves the right to mandate immediate medical care, implement reasonable accommodations, devise a personalized success plan, seek evaluation by an independent and qualified professional, and notify parents. Students who engage in or threaten self-injurious behavior may be subject to these same

limitations or involuntarily given a medical withdrawal. This may occur in varying instances even if the student has not directly violated any conduct policy of the college. If a student has pending disciplinary action and is involuntarily placed on leave, the student conduct process will proceed upon their return. In the case of an involuntary medical withdrawal, decisions made by the Vice President/Dean of Student Life and Wellness Center health care providers. In the case of an involuntary medical withdrawal, there is no academic penalty for the student, i.e., the grade of "W" will be placed on the transcript and the student's grade point average will not be affected. Room and board costs will be prorated based on upon the date of involuntary withdrawal.

At any time during the semester, the Academic Review Board has the authority to place a student on Academic Warning, Academic Probation, or to administratively withdraw the student from the college if they have not attended after the 50<sup>th</sup> day of class, and it has been determined that the student cannot successfully complete the semester. Typically grades of WF or WP (as appropriate) are recorded on the student transcript of the student is administratively withdrawn.

### **Disruptive Student**

When, in the judgement of the VP/Dean of Student Life a student, for whatever reason, has been deemed disruptive to the point of negatively affecting the college community, that student may be removed from college housing, suspended/dismissed/involuntarily withdrawn from the college, or otherwise limited in their classes or activities. At the time of an involuntary withdrawal, for students who have not attended after the 50<sup>th</sup> day of classes, the instructor for the course must submit a grade for the student's work in the course to the date of withdrawal. On the basis of this grade, either a WP (Withdrew Passing) or a WF (Withdrew Failing) is recorded on the student's transcript. Neither a WP nor a WF enters into the computation of the student's grade point average. In the case of an involuntary withdrawal, decisions made by the Vice President/Dean of Student Life and Director of the Wellness Center may be appealed to the Dean of Faculty.

# COLLEGE-WIDE POLICIES

## Policy on Complaint Resolution

The U.S. Department of Education requires institutions to provide its students or prospective students with contact information for filing complaints with its accreditor and with the appropriate state officials.

The Missouri Department of Higher Education serves as a clearinghouse for postsecondary student complaints; [MDHE complaint policy](#).

This webpage contains information about the complaint process and includes instructions for how to file a formal complaint. Note that the policy provides that a student who wishes to file a complaint with the department must first exhaust all formal and informal avenues provided by the institution to resolve disputes.

The Higher Learning Commission, the accrediting agency for Westminster College, may be contacted at: The Higher Learning Commission, 230 South LaSalle Street, Suite 7-500, Chicago, Illinois 60604-1411; Phone 800-621-7440/312-263-0456; Fax 312-263-7462; [info@hlcommission.org](mailto:info@hlcommission.org)

## ADA/Equal Access Policy

Under the Americans with Disabilities Act, the College must provide a reasonable accommodation requested by a student to insure access to instructional programs, unless it would present an undue hardship to the College. A student who feels he/she/they may need an accommodation based on the impact of a disability should contact the Director of the Learning Opportunities Center located in Room 34 of Westminster Hall (573-592-5304). At that time, the Director will discuss possible curricular and co-curricular accommodations and may make appointments with all of the student's professors to discuss course formats and to anticipate the student's needs. For a full statement of the College's ADA policies, see the [Westminster College - ADA/Equal Access Policy](#).

## Honor Code

*No Westminster student shall commit any act of academic dishonesty in order to advance her or his own academic performance, or to impede or advance the academic progress of others.* Refer to the Academic Honor Code section within the Academic Policies and Procedures section of this catalog. This policy can also be found in the Student Life and the Faculty Handbooks.

## Policy on Harassment and Discrimination

Westminster College expects all members of its community to treat each other with respect and dignity. Westminster College seeks to create and maintain an academic, social, and work environment in which all members of the community – students,

staff, administrators, and faculty – are free from harassment and discrimination. Westminster College prohibits harassment and discrimination on its campus, as well as at, or on, any college sponsored activities and trips, of any of its community members or guests and visitors based on an individual's race, color, national or ethnic origin, religion, age, sex, gender, sexual orientation, gender expression and identity, marital status, veteran status, disability, or any proscribed category set forth in federal or state regulations.

Harassment and/or discrimination subvert the mission of the college and threaten the careers, educational experiences, and well-being of its students, staff, administrators, and faculty. Each member of the Westminster community has the right to work, study and/or socialize in an environment that is free from harassment or discrimination. Each member of the Westminster community, therefore, has the corresponding responsibility and obligation to conduct himself or herself so as to create an environment that is free of harassment or discrimination. This includes the acts of supervisors, managers, faculty, employee subordinates and peers, fellow students, guests, visitors, vendors, consultants, and customers. In addition to being responsible for their own conduct, supervisors and managers must ensure that their employees contribute to a work environment that is free of harassment and discrimination.

By issuing a clear policy to members of the Westminster community and by alerting, as well, those non-community members, such as vendors, consultants, and customers, with whom it has a relationship, Westminster College reaffirms its commitment not to tolerate any form of harassment or discrimination on its campus, at campus sponsored events, activities, or trips.

## Title IX

The College does not discriminate on the basis of sex in its education programs and activities. Furthermore, the College strictly prohibits Sexual Harassment, as defined in this policy. This policy applies to any member of the College community, including students, faculty, and staff, as well as contractors, vendors, visitors, guests and other third parties. Additionally, the College prohibits retaliatory actions including, but not limited to, acts of intimidation, threats, coercion or discrimination against individuals who make reports or complaint of prohibited Sexual Harassment or participate in an investigation, proceeding, or formal hearing concerning a violation of this Policy.

For full details regarding Title IX, please go to the [College Website](#).

## Student Respect Policy

Since *respect* is one of the four cited core values of Westminster College, students are held to a high standard of respecting their professors in all forms of classroom behavior and in

communication outside of class. Neither the professor nor the College will tolerate disrespect from any student. Students should show deference and respect for their professors for three basic reasons:

1. Respect for individuals is one of the cornerstone values of ethical conduct;
2. Professors have worked diligently to earn advanced degrees and distinguish themselves as scholars and teachers in their fields, and are, therefore, entitled to students' respect;
3. Since a liberal arts education is meant to cultivate the moral and intellectual virtues that one needs to be a good member of society, students should strive to develop respect for superiors, peers, and subordinates as a habit that will help them thrive in their professional and personal lives.

Professors have the authority to establish and enforce their own standards of respectful classroom behavior along with communication boundaries in and out of class. Professors are institutionally authorized and obligated to cite violations of any of those established standards. In addition, professors are also entitled to impose their own consequences for disrespectful behaviors. Since providing students with evaluative feedback is part of the teaching job, students are always encouraged to discuss specifics of their grades with their professors for the purpose of future improvement. Negative evaluations (academic or behavioral), however, do not in any way entitle students to communicate with a professor in a disrespectful or inappropriate tone (as deemed by the individual professor) in person, over the telephone, or other written or electronic means. If any such violation occurs, the professor, at his/her/their discretion, may simply choose to alert the Dean of Students for official College sanctions against the student, which can include a suspension/expulsion from that professor's class.

### Emergency Procedures

Westminster College maintains an Emergency Response Plan to address situations and conditions that may arise and significantly disrupt normal operations and activities. The Plan describes the procedures to follow for preparing for, responding to, and recovering from various types of emergency situations.

Our goal is always to protect people first and foremost. While it is not possible to foresee every possible condition and circumstance that may require an emergency response, the College will undertake those emergency response actions that are protective of human health, the environment, and College property. In addition, we keep accurate emergency contact information for each student.

General emergency response procedures can be found in section 6.0 of the Westminster College Emergency Response Plan.

For full details regarding our COVID-19 Response and Return plan please see the [Westminster College website](#).



# ACADEMIC PROGRAMS & SUPPORT SERVICES

## THE STUDENT SUCCESS CENTER

The Student Success Center, both a designated space and an organizational structure, reflects our institutional mission focused on student achievement. The purpose of SSC is to create an environment promoting educational enrichment and growth in all five areas integrated in the Concept for Student Development. It brings together a wide array of student services and programs such as:

1. The Greg Richard Office of Advising and Career Development
2. The Internship Program
3. The First-Year Experience Program
4. The Transfer Experience Program
5. The WCares Program
6. The Office of Global Educational Services

## THE TOMNITZ FAMILY LEARNING OPPORTUNITIES CENTER

The Tomnitz Family Learning Opportunities Center (LOC) offers academic support to students through a variety of programs. The LOC's academic support services assist students in developing those skills they will need in the classroom and in their professional and personal lives after College. The Professional Academic Staff of the center offers assistance through Supplemental Studies courses, the Learning Differences Program (LDP), the College Transition Program (CTP), the Academic Enrichment Program (AEP), the Academic Achievement Program (AAP), the Peer Tutoring Program (PTP) and an Online Academic Resource Center. In addition to these programs, the Director of the LOC serves as the academic ADA coordinator for those students who need to seek reasonable academic accommodations.

### ADA Accommodations

Westminster College students wishing to receive academic accommodations under the Americans with Disabilities Act must meet the following requirements each semester.

1. Present current documentation to the Director of the Tomnitz Family Learning Opportunities Center before any accommodations can be discussed. This documentation must include a diagnosis, an explanation, and recommended accommodations. Individualized Education Plans are acceptable documentation, and will be accepted. Documentation must come from a professional source with verifiable credentials.
2. Complete the accommodation request form, and set up a meeting with the Director to discuss the requested accommodations.

- a. If the request form includes testing, the student must also complete the LOC Testing Agreement Form.
- b. If the request form includes note takers, then the student must also complete the Note Taker Accommodation Form. Students should also discuss the approved accommodations with their instructors, and notify these instructors of their needs.

The group of students on campus not enrolled in the LDP who seek academic accommodations through the Americans with Disabilities Act (ADA) are designated as Others Served. Typical reasonable accommodations include support through class notes, the provision of an alternate testing environment, and other technology-based support (readers, books on tape, etc.).

### Academic Achievement Program (AAP)

The Academic Achievement Program is an academic support program designed to assist students who are placed or continued on academic probation. These students are required to participate in the AAP, which is designed to help students in an individualized program and environment to discover how to be academically successful at Westminster College. These students meet weekly with the Academic Achievement Program Coordinator, or another specified contact person, while they are on probation.

### Academic Enrichment Program

The Academic Enrichment Program is a one to two-semester program offered during the freshman year to give special attention to incoming freshmen whose preparation for college is, in certain respects, inadequate. Students are selected for the Program by the Admission Committee on the basis of their high school records and Scholastic Aptitude Test (SAT) or American College Test (ACT) scores. This program focuses on the development of reading and writing skills to prepare students for the rigors of Westminster's curriculum. Currently this program utilizes a learning community model where students are placed into groups and take three or four courses together, and appropriate corequisite supplemental courses to develop learning strategies.

### Learning Differences (Disabilities) Program/College Transition Program (LDP/CTW)

The Learning Differences (Disabilities) Program (LDP) is a comprehensive disability support program that provides individualized support tailored to meet the specific needs of students with professionally diagnosed neurodevelopmental

disorders, including but not limited to, Attention Deficit/Hyperactivity Disorder, Dyscalculia, Dyslexia, Reading Comprehension Disorder, and Disorder of Written Expression.

#### College Transition Program (CTP)

The College Transition Program (CTP) provides the support that students diagnosed with Autism Spectrum Disorder need to be successful learners in the academic, social, and physical environment they share with regularly admitted students. In addition to providing one-on-one time management and academic support to students on the spectrum, the program's director collaborates with faculty and staff across campus to provide extended-time testing and class notes, physical fitness training, and social skill development programming. The director frequently encourages and supports students in seeking career planning and psychological counseling through on-campus centers. The director also supports students in their communications with faculty and staff and provides access to a safe and comfortable environment to study and connect with one another.

#### Online Academic Resource Center

Students that want extra assistance or strategies for developing academic success across the disciplines can access various strategies on the Canvas Learning Management System. This online center provides a student access to the Peer Tutor Schedule, links to various web pages and videos on a variety of academic success strategies, and other [academic success tools](#).

#### Peer Tutoring Program (PTP)

The Tomnitz Center coordinates Westminster College's Peer Tutoring Program (PTP), which offers academic support and mentoring to students enrolled in a variety of courses. Two popular areas of support are math and writing, and to support this demand, Westminster College has a Math and Writing Lab. These labs, located in Reeves Library, offer support on a walk-in basis. In addition to these two labs, tutors/mentors are available for a variety of the courses offered in the general education curriculum. Tutors for these courses are recommended by the professors and attend tutoring classes/training designed to provide them with a sound framework for fostering independent learning and understanding the learning process. The tutors also attend the classes for which they are tutoring at least once a week. Westminster College's Peer Tutoring Program is certified through October 2024 by the College Reading and Learning Association (CRLA) and embraces the International Tutor Program certification requirements. For specific details on the schedule, visit the [LOC Canvas site](#).

#### Study Strategies and Supplement Studies Courses (SSC)

The supplemental studies courses are designed to assist students with understanding how to become independent learners and develop strategies to be successful in specific courses that historically challenge students. These courses include Statistics, Algebra, Psychology, Ethics, History and occasionally other courses as demanded.

No more than two credit hours of developmental courses may be counted toward the minimum hours required for graduation. Therefore, students who take the CLS 090 classes and MAT 090 will need to complete additional hours to achieve the minimum required to graduate. The number of additional hours will depend on where the student places into the CLS sequence and the

student's math placement, but these additional hours could total to as many as 6 credit hours.

#### Others Served

This group of students represents those students on campus not enrolled in the LDP who seek academic accommodations through the Americans with Disabilities Act (ADA). Typical reasonable accommodations include support through class notes, the provision of an alternate testing environment, and other technology-based support (readers, books on tape, etc.)

#### Greg Richard Office of Advising and Career Development

The Greg Richard Office of Advising and Career Development offers students a wide range of programs that are designed to prepare them to satisfying lives after graduating from Westminster, whether it is in a career of their choice of gaining acceptance into graduate or professional school.

Westminster College regards Academic Advising as an important part of the undergraduate experience. Entering freshmen are paired with an Academic Advisor through the Student Success Center; this individual serves as their advisor and continues in this capacity until the student declares a major. Upon declaring a major, students are advised by a faculty member in their major department. The student and advisor consult on a periodic basis in regard to the student's academic program, schedule of courses and academic progress. The advisor is the first person a student should contact for assistance with an academic or personal problem.

The Career Development service offers students a wide range of programs that are designed to prepare them for satisfying lives after graduating from Westminster, whether it is in a career of their choice or gaining acceptance into graduate or professional school.

Professional career counseling, one-on-one resume assistance, an online and print resource library, job searching assistance, and a centralized internship program are career-related services available to all students. Every year informational sessions are offered on Job Searching, Resume Writing, Interviewing, Networking, and the Application process to Graduate School, among others. Additionally, the center also hosts a Professional Etiquette Dinner and includes business and community leaders as Table Hosts.

Every year a career fair is held – an event that typically attracts around 50-60 employers, study abroad programs, and graduate schools. Throughout the year additional employers and graduate programs recruit on campus; these local regional, and national opportunities are open to all qualified students. Services are provided by professional staff to all levels of students, freshmen through seniors, with the majority of services offered free of charge.

#### Internship Program

Students are strongly encouraged to take advantage of experiential learning opportunities offered through the Westminster Internship Program. Internships are designed to extend student learning beyond the traditional classroom setting into professional work environments. Internships allow students to earn academic credit while undertaking professionally-supervised work experiences related to their academic programs and career interests.

An internship is a carefully monitored work experience, in which an individual has intentional learning goals and reflects actively on what she or he is learning throughout the experience. The intern is the chief architect of his/her/their learning experience and must develop learning goals, submit weekly learning journals, participate in regular discussions with the faculty sponsor, and complete a final project. Working through the centralized internship office, internships may be arranged with a wide variety of organizations and institutions, including corporations and businesses, health care facilities, social service agencies, environmental organizations, historical societies, recreational programs, museums, political organizations, and government agencies.

The chart below lists proposed *minimums* for each internship credit earned. Setting requirements for academic hours places accountability on the student and course instructor that the student is making his/her/their internship a true learning experience.

# credits	Site hours	Academic hours	Total hours	"per week" average* (based on 15 weeks)
1	35	10	45	2h 20 m on site + 40m on academics
2	70	20	90	4h 40m + 1h 40m
3	105	30	135	7 + 2
4	140	40	180	9h 20m + 2h 40m
5	175	50	225	11h 40m + 3h 20m
6	210	60	270	14 + 4
7	245	70	315	16h 20 m + 4h 40m
8	280	80	360	18h 40m + 5h 20m
9	315	90	405	21 + 6
10	350	100	450	23h 20m + 6h 40m
11	385	110	495	25h 40m + 7h 20m
12	420	120	540	28 + 8

\*This is an average – some weeks may be heavier than others.

While students are encouraged to do internships for credit, Westminster recognizes that non-credit internships can be just as pivotal to a student's career development. Westminster values the learning that students can experience through non-credit internships and encourages those students to develop learning goals and add the experience to their resumes.

International students must receive approval from the Coordinator of Global Educational Services and WC Internship Program Coordinator before applying for an internship.

### The First Year Experience

The Westminster College First Year Experience has two overarching goals for all students entering Westminster. First, it aims to establish a foundation for student success, starting with the very first semester. In their first year, students are given the tools, knowledge of Westminster resources, skills, and understanding of campus life necessary to set and achieve their academic goals. Students are closely mentored and provided a complete, integrated experience aimed at educating the whole person and helping students to become life-long learners and leaders in a global community. Second, the First Year Experience helps students to become part of the Westminster Community, to learn its mission and values, to understand the resources and opportunities available to them as a Westminster student, and to encourage students to think about how they can contribute to building a better Blue Jay community.

The First Year Experience begins with New Student Week and proceeds through two courses in the first semester: WSM 101: Westminster Seminar, and LST 101: The Leader Within. WSM 101 promotes the development of critical thinking, reading comprehension, written and oral communication, and research skills. Transfer students also take a Westminster Seminar course, designed specifically for transfer students. LST 101 introduces students to the five domains of student development (intellectual, professional, social, ethical, and wellness) and provides them with the tools to take steps that will benefit their long-term plans for personal and academic success. These courses are complemented by attentive academic advising by a professional academic advisor, support from upper-classmen peer mentors, and regular, effective Student Life programming throughout the year. The culmination of these experiences should bring a sense of purpose for all first-year students, an identification of goals for each year in their Westminster experience, and a plan for assessing progress toward these goals in the subsequent years of the student's Westminster education.

### The Transfer Experience

Transfer students face specific challenges when transitioning to another college. We strive to make students' transition to Westminster as smooth as possible by evaluating the credit they already earned and showing how it fits into our graduation requirements. During orientation day, transfer students have their first opportunity to learn how to navigate their new environment. Their initial academic advisor is also the instructor of WSM 102 Westminster Seminar, a 1-credit course designed to help the students acclimate to Westminster, set academic goals, and discover the resources and opportunities available to them. Once they declare a major, they get an academic advisor in their new program.

### WCares Program

WCares, or Westminster Cares Program (WCP), supports the students struggling to acclimate to campus life by offering them the guidance and resources they need to achieve their personal, academic, and career goals. Based on a holistic approach to student success, WCares includes the collective efforts of faculty and staff to proactively address the challenges that affect a student's college experience. The program coordinator serves as the Chair of the Student Persistence Team, the WC Cares Coordinator and Student Retention Specialist, and assists the Associate Dean of Student Success to organize Academic Review Board meetings and other activities designed to increase student retention. Specifically, students will learn to set goals, track progress, identify, plan for, and overcome potential obstacles in their education and/or professional development. They will also evaluate and improve their skills in time and stress management, and will increase focus on self-care and systematic use of campus services (Math or Writing Lab, Reeves Library, Wellness Center, Center for Faith & Service, or the Learning Opportunities Center).

### Global Educational Services

The office of Global Educational Services (GES) is the hub of everything international at Westminster College, primarily international student services, study abroad, and off-campus programs. GES provides support to prospective, newly admitted, and current international students, as well as those who graduated. This office facilitates international students' admittance to the United States by issuing documents that support students' applications for non-immigrant visas. It

manages applications for Curricular Practical Training, Optional Practical Training, and transfers to graduate studies. GES assists international students' transition to life in the United States and Westminster by offering a general orientation and information in the areas of employment, financial planning, health insurance, and income taxes. This office promotes interactions between domestic and international students, encourages the internationalization of the College, and works in collaboration with other campus offices to foster a diverse community.

GES also facilitates international and off-campus study for students both domestic and international. Eligible students should meet the minimum grade point average requirement (if any) for the selected program, be in good academic and disciplinary standing and must have attended a minimum of one semester at Westminster College prior to departure for the program. Students may elect to study off-campus in a domestic or international program and can also participate in off-campus programs led by our faculty, to such destinations as Australia, Belize, Costa Rica, Ecuador, France, Germany, Iceland and Peru to name only a few. Credit transfer and scholarship opportunities are available.

### Reciprocal Exchange Program

Westminster maintains exchange programs with the following:

- Hanyang University in Seoul, South Korea
- Irish American Scholars in Northern Ireland
- Kansai Gaidai University in Osaka, Japan
- United States International University in Nairobi, Kenya
- L'Université Catholique de l'Ouest in Angers, France
- University of East Anglia in Norwich, UK
- University of Winchester in Winchester, UK
- Aberystwyth University in Aberystwyth, UK

These programs are bilateral tuition only exchanges, whereby a Westminster student trades places with a student in the host country for a semester or for a full year of study, depending on the program, and pays only non-tuition costs. Students who wish to study at the Université Catholique must have at least an intermediate level mastery of French. Students who wish to study at Kansai Gaidai or Hanyang are not required to have prior knowledge of the Japanese or Korean language. Westminster students enrolled in all exchange programs are granted full credit for work accomplished abroad. Normally, all financial aid (with the exception of work-study) applies to these programs and additional scholarship opportunities are available, as well.

### Direct-Enrollment Programs

Students may also choose one of our direct-enrollment programs in which tuition and fees are paid directly to the partner institution. Programs are available for one semester or one academic year with transfer credit. Special rates apply for Westminster College students.

Westminster maintains direct-enrollment agreements with the following:

- La Universidad de Oviedo in Oviedo, Spain
- London School of Economics & Political Science in London, UK
- Jacobs University in Bremen, Germany
- James Cook University in Cairns, Australia
- Università Cattolica del Sacro Cuore in Milan, Italy

## STUDY ABROAD AFFILIATIONS

Westminster College enjoys a variety of affiliations, which allow for transfer of academic credit and in most cases, some financial aid can be applied to these experiences as well. Most programs offer additional options for internships, service learning, and depending on the program, research.

### American Institute for Foreign Study (AIFS)

The Westminster affiliation with AIFS offers study abroad and internship opportunities for the year, semester, or summer in a variety of program locations including Australia, Austria, Brazil, China, Costa Rica, Czech Republic, England, France, Germany, India, Ireland, Italy, New Zealand, Peru, Russia, South Africa, and Spain. For additional information, check out the [AIFS website](#).

### Arcadia University Center for Education Abroad

Westminster has an affiliation with Arcadia University (Pennsylvania), which offers semester, year, or summer study abroad & internship programs in many areas of the world, including Australia, China, England, France, Germany, Greece, India, Ireland, Italy, New Zealand, Scotland, South Africa, Spain, Tanzania, and Wales, among others. For additional information, check out the [Arcadia University Center for Education Abroad website](#).

### Institute for the International Education of Students (IES)

Westminster's affiliation with the Institute for the International Education of Students offers qualified upper-class students the opportunity to study in any of several IES centers found in a variety of locations around the world. IES academic centers are located throughout Asia, Africa, Australia & New Zealand, Europe, and South America. A variety of academic options are available, including year, semester, and summer programs; internships, field study, service learning, volunteer and cultural programs are also available. For more information, check out the [IES website](#).

### International Studies Abroad (ISA) & GlobalLinks

Westminster's affiliation with International Studies Abroad offers students cultural immersion experiences with study in other languages or in English for either a year, a semester, a trimester, month or summer. Destinations include Argentina, Belgium, Chile, Costa Rica, Czech Republic, Dominican Republic, England, France, Italy, Morocco, Peru, and Spain. Volunteer opportunities with their Experiential Learning Abroad Program are also available.

GlobalLinks offers the opportunity to study in 30 Australia or New Zealand universities through Austra Learn. In addition, there are many other locations in Europe and Asia with EuroLearn and Asia Learn. Internship opportunities are available. For more information, check out the [ISA website](#).

### School for International Training (SIT)

The Westminster affiliation with SIT offers students an opportunity to engage in international internships, in-country research and service-learning opportunities with interdisciplinary themes. Locations for study include countries in Africa, Asia & the Pacific, Europe & the Middle East, Latin America and the Caribbean. For more information, check out the [SIT website](#).

### Semester-at-Sea

Westminster is affiliated with the Institute for Shipboard Education and the University of Virginia, which offers a unique



program for study abroad in a variety of countries during one semester or summer excursion. Ports of call have included cities in Russia, Korea, China, Vietnam, India, Brazil, Venezuela, South Africa, and Kenya. Students may learn more about this program, including updated itineraries at the [Semester-at-Sea website](#).

For further information about any study abroad opportunities and to inquire about a complete list of programs, contact the Study Abroad Fellow.

### Spanish Studies Abroad (SSA)

Sponsored by the Center for Cross-Cultural Study, SSA offers Spanish-language programs in Argentina, Spain (Alicante, Córdoba, or Seville), Puerto Rico, and now Cuba. SSA is distinguished by its innovative curriculum and its full-immersion, Spanish-only options. Find more information on [SSA website](#).

### Off-Campus Programs

#### The Semester on the United Nations

The Semester on the United Nations is sponsored by Drew University of Madison, New Jersey. Westminster and other participating colleges may nominate a limited number of junior and senior students to study one semester in Madison and New York City. Coursework and internship focus on the United Nations while independent study options are available. POL 211 American Government is a prerequisite and POL 212 (Introduction to International Relations) and POL 305 (International Law and Organizations are recommended).

#### Washington Semester Program

Westminster participates in the Washington Semester Program offered through American University in Washington, D.C. Sophomore, junior and senior students may choose to study and participate in internships which address a variety of programs that include among others American Politics, Foreign Policy, International Environment & Development, Global Economics & Business, International Law and Organizations, Islam and World Affairs, Journalism, Justice & Law, Peace & Conflict Resolution, and Transforming Communities. Study abroad components may also be available with some programs of study. Scholarships are available. For more information, check out the [Washington Semester Program website](#) and contact the Director International & Off-Campus Programs, or the faculty campus advisor for the Washington Semester.

### Study Abroad and Off-Campus Programs

Students enrolled in affiliated or exchange programs in another country will receive the grade of "CR" (Credit) for all courses passed at the host institution with a grade of D or better. The titles of the courses, the grade of "CR," and the credit hours will be listed on the student's transcript for all courses passed with the grade of D or higher. A notation will be included after the semester totals to indicate that the student was enrolled in a Westminster affiliated off campus program along with the name and location of the institution at which the courses were completed. The grade of "CR" will not affect the student's grade point average (GPA), and only grades of "CR" will be recorded on the Westminster transcript. A notation that the student was enrolled in an affiliated off-campus program will be recorded on the Westminster College transcript for those students who do not receive credit while studying abroad on an affiliated off-campus program. For students interested in participating in the Chicago Urban Studies Program and the Washington Semester Program, grades and credit hours will be treated as follows: all

credit hours earned in the above U.S. programs will transfer directly to Westminster College. Grades earned in the courses will be figured into the student's GPA at Westminster. Students may elect to take one course Credit-D-F subject to the policy stated in the college catalog.

### Application for Reduced Course Load

To maintain F-1 student status, international students must be enrolled in a full course of study each fall and spring semester. Undergraduate students at Westminster College must be enrolled in 12 credit hours throughout the semester to maintain their status. There are valid academic and medical reason for reducing your course load. For any semester in which you intend to reduce your course load, you must complete an **Application for Reduced Course Load** (available from the Office of International Student Services) and have your academic advisor sign the form. Student and advisor will be notified if this request is denied.

### Major Programs of Study

In order to foster depth of understanding as well as the ability to conduct independent critical inquiry, all Westminster students are required to complete a major field of study. Westminster offers majors in the following subjects:

- Accounting
- Biochemistry
  - Biological Emphasis
  - Chemical Emphasis
- Biology
- Business Administration
  - Entrepreneurial Studies
  - Finance
  - Management
  - Marketing
  - No Concentration
- Business Communication
- Chemistry
- Computer Systems Analysis
- Digital Media
- Education
  - Early Childhood Education
  - Education Curriculum Studies
  - Elementary Education
  - Health Education K-12
  - Middle School Education
    - English Language Arts, Math, Science, Social Science
  - Physical Education, K-12
  - Secondary Education
    - Biology, Business, Chemistry, English Language Arts, Math, Social Studies
  - Spanish Education, K-12
- English
  - Creative Writing
  - English Education
  - Literature
  - No Emphasis
- Environmental Science
  - Environmental Biology Emphasis
  - Environmental Chemistry Emphasis
  - Environmental Geology Emphasis
- Exercise Science
- Finance
- Financial Planning

- French
  - Translation
  - No Concentration
- General Studies
- Global and Transnational Studies
- Health & Wellness
- History
- Mathematics
- Mathematical Data Science
- Museum Studies
- One Health
- Philosophy and Religious Studies
  - Ethics and Social Justice Concentration
  - Religious Literacy Concentration
- Physics
- Political Science
  - General Political Science Track
  - Pre-Law Track
  - Security Studies Track
- Psychology
- Security Studies
  - Cybersecurity Track
  - Homeland Security Track
  - National Security Track
- Self-Designed
- Spanish
  - Translation
  - No Concentration
- Sports Management

A complete statement of the requirements for each of the above major programs may be found in the [Majors and Minors](#) section. Students are bound by the degree requirements published in the College Catalog for the academic year of the student's first degree-seeking enrollment at Westminster College. Exception (for academic major requirements only): If changes have been made to major requirements since the student's first year of degree-seeking enrollment, the department may require the student to change to the degree requirements in place at the time of his/her/their declaration of the major. This determination is made when a student declares a major, and the outcome is indicated on the Declaration of Major form. Department chairs have authority to waive or allow substitutions for departmental requirements.

Students may declare a major as early as the second semester of their freshman year. To avoid problems in scheduling required courses, students should declare a major prior to pre-registration of their third regular term of enrollment at Westminster College. A student's choice of a major is not recognized by the college until the student has submitted an electronic form that has been approved by both the chair of the major department and the student's advisor. Students who choose to pursue double majors must formally declare both majors, and they should have their schedules approved each semester by advisors in both major departments. A Registration Hold will be placed on the accounts of any Juniors or Seniors who have not declared a major.

#### Dual-Degree Programs

- Athletic Training Dual Degree Program with Culver-Stockton College
- Chiropractic Dual Degree Program with Logan University of Chiropractic

- Nursing Dual-Degree Program with Goldfarb School of Nursing, Barnes-Jewish College
- Pre-Engineering Program with Missouri University of Science and Technology, Washington University, and Southern Illinois University at Carbondale.

#### Minor Programs

In addition to the majors mentioned above, Westminster students may choose to enrich their studies and deepen their understanding of interest areas by pursuing a minor in one of the following areas:

- Accounting
- American Studies
- Biology
- Business Administration
- Chemistry
- Coaching
- Community Leadership
- Computer Systems Analysis
- Criminal Justice
- Cybersecurity
- Digital Media
- Economics
- Education
- English
- Environmental Science
- French
- Global & Transnational Studies
- History
- Journalism, Media and Publishing
- Mathematics
- Museum Studies
- Music
- Organizational Leadership
- Philosophy
- Physics
- Political Science
- Pre-Engineering
- Pre-Law
- Psychology
- Public Health
- Religious Studies
- Security Studies
- Self-Designed
- Spanish
- United States History
- Women and Gender Studies

A complete statement of the requirements for each of the minor programs may be found in the [Majors and Minors](#) section. Students are bound by the minor requirements published in the College Catalog for the academic year of the student's first degree-seeking enrollment at Westminster College. Exception (for academic minor requirements only): If changes have been made to minor requirements since the student's first year of degree-seeking enrollment, the minor coordinator may require the student to change to the degree requirements in place at the time of his/her/their declaration of the minor. This determination is made when a student declares a minor, and the outcome is indicated on the Declaration of Minor form. Coordinators of minors have authority to waive or allow substitutions for minor programs of study.

Students may declare a minor as early as the second semester of their freshman year. A student's choice of a minor is not recognized by the college until the student has submitted an electronic form that has been approved by both the chair of the minor department and the student's advisor. All grades in minor courses must be C- or higher to count towards the completion of the minor. A minor may not be earned in the same program as the student's major program of study. No more than three credit hours of internship or other experiential form of study will be counted toward a minor. Students may complete only one minor in a department. Otherwise, there is no restriction on the numbers of minors that may be completed.

### Self-Designed Major and Minor

Students with particular interests may prefer to design their own program of study in concert with a team of teacher-scholars. Westminster's Self-Designed Major/Minor allows students to design a personalized program drawing on the strengths of several disciplines and departments. When the Self-Designed Major or Minor is approved, completion will satisfy the general degree requirement for a major or minor. All other degree requirements must also be fulfilled. The GPA in the self-designed program must be 2.00 or higher, unless otherwise stated in the self-designed program application.

The members of a student's Self-Designed Major or Self-Designed Minor Committee and the Associate Dean for Student Success must approve the major or minor description and the list of courses for the major or minor. Any changes to the Self-Designed Major or Minor must be approved by the student's committee and the Associate Dean of Student Success. Upon satisfactory completion of the work prescribed in a student's plan, the student will be certified as having met the graduation requirement for a major.

To complete an individualized degree program through the Self-Designed Major and Minor program, a student identifies a faculty advisor and one other faculty member. The faculty members must be from two different academic departments that best represent the courses listed for the major or minor. The student, with the aid of the faculty committee, develops a proposal for the major under the Self-Designed Major program or for a minor under the Self-Designed Minor program. One of the members of the committee must be designated as the student's primary advisor. The proposal should consist of a general description of and justification for the self-designed major or minor, list specific courses to be taken, and indicate the semester in which each of the courses will be taken. Self-Designed Majors must contain a minimum of 32 credit hours, and at least 15 credits of upper-level courses must be included. Additionally, all Self-Designed Majors must have a capstone experience (e.g., a course, a concluding research project, an internship). Self-Designed Minors must contain at least 15 credits, and at least 1/2 of credits for minors must come from upper-level courses. Courses transferred from other institutions may be used to satisfy the requirements of Self-Designed Majors and Minors, with the permission of the student's committee.

Generally, a student will begin work under the Self-Designed Major or Minor after the freshman year, but in no case later than the start of the second semester of the junior year. Any exceptions to the start of a student's Self-Designed Major or Self-Designed Minor program must be approved by the Dean of Faculty. The academic advisor must meet with the student at least once each semester

to review progress. A minimum of three semesters must be spent working under an approved plan.

Self-Designed majors and minors may also be created through a joint program with William Woods University (MMACU). Working with WWU expands the range of options for a student, so students are encouraged to study the list of academic programs on both campuses as they design their major or minor. The faculty advisor must be a Westminster faculty member, and the other faculty member of the committee must be a member of the WWU faculty. At least half of the courses must be taken at Westminster. Preferential registration (registering after WWU current students but before incoming students) will be given to students with an approved course of study. No additional tuition is required; MMACU course fees must be paid directly to WWU.

Forms are available in the Academic Affairs Office. For more information about the Self-Designed Major or Self-Designed Minor, contact:

Dr. Linda Webster

Associate Vice-President and Associate Dean of Faculty

Email: [linda.webster@westminster-mo.edu](mailto:linda.webster@westminster-mo.edu)

## SPECIAL ACADEMIC PROGRAMS

### Air Force Reserve Officer Training Corps (AFROTC) Scholarships

The Air Force Reserve Officer Training Corps (AFROTC) provides you the opportunity to become a United States Air Force officer while completing your college degree. The program combines traditional undergraduate education with military instruction and will prepare you to tackle the leadership challenges awaiting the Air Force in the 21st century. Each semester you will enroll in an AFROTC class in conjunction with a two-hour Leadership Lab in which your classroom learning will be put to the test. For more information, contact the Air Force Reserve Officer Training Corps (AFROTC), 213 Crowder Hall Columbia, Mo 65211-4110, (573) 882-0554 or check out the [Airforce Missouri website](#) and [AFROTC website](#).

High School Seniors: Air Force ROTC offers an excellent scholarship program for highly qualified students. Many of these scholarships pay full tuition. All of the scholarships include an annual textbook allowance and a tax-free monthly stipend of \$250-400 each month during the academic year. The high school scholarship application period runs from May of your junior year until Dec 1 of your senior year. Competition is based on the whole-person concept. Please visit the [AFROTC website](#) for the most current scholarship information.

In-College Students: You can join AFROTC your freshman or sophomore year and compete for one of the many scholarships offers that we reserve specifically for college students. In-College scholarship tuition dollar amounts vary. However, all scholarship recipients receive an annual textbook allowance and a tax-free monthly stipend of \$250-\$400 per month during the academic school year. Visit the [AFROTC website](#) for the most current In-College scholarship information.

After graduation from college and successfully completing all Air Force ROTC requirements, you receive a commission as a second lieutenant with an obligation of four years of service in the active-duty Air Force. Pilots incur a ten-year commitment from the date

you graduate from pilot training. A few additional career fields require a six-year commitment.

### Army Reserve Officer Training (ROTC) Scholarships

Army ROTC scholarships are available on a competitive basis for two, three and four years of study. Qualified students may compete for ROTC scholarships on both a local and regional basis and applicants need not be currently enrolled in ROTC classes. The value of the scholarships is announced annually. Application deadlines for the Army ROTC scholarships are as follows: Early Decision deadline is July 15 following the student's junior year. Regular Decision deadline is November of the student's senior year. There is a February 1 deadline for both three- and two-year scholarships. To be competitive for Army ROTC scholarship support, applicants should present an ACT score of 19 or greater and a grade point average of 2.5 or greater.

Recipients of the ROTC four-year scholarship who reside in college housing may also qualify for the Davidson Scholarship, which pays for the cost of the room. Recipients of the ROTC three-year Advanced Designee Scholarship will receive the equivalent of tuition charges in financial assistance for the freshman year at Westminster.

### Bryant Scholars Pre-Admissions Program

The Lester R. Bryant Scholars Pre-Admissions Program encourages young people from rural backgrounds to pursue a medical education.

Students accepted into the pre-admission program are offered acceptance into the MU School of Medicine on the condition that they achieve certain academic standards, demonstrate ongoing professionalism, and participate in required activities. Students apply as sophomores.

Visit the [MU School of Medicine](#) website for more detailed information on the program.

### Chiropractic Dual Degree Program

In an effort to better serve students intending to pursue the chiropractic profession, Logan University's Doctor of Chiropractic Program and Westminster College agreed for an articulated program. This agreement defines the course work to be completed at Westminster for a student intending to matriculate at Logan, special terms of admission to Logan (3+3) program, and special criteria for awarding of the Baccalaureate degree to participating students.

Contact: Dr. Dawn Holliday  
Email: [Dawn.Holliday@wcmo.edu](mailto:Dawn.Holliday@wcmo.edu)  
Find out more online at [logan.edu](http://logan.edu)

### Engineering Dual Degree Program

The Dual Degree Engineering Program is a study designed for students who wish to become professional engineers or applied scientists. At Westminster, students spend their three or four years building a strong foundation in the humanities and social sciences while completing a Pre-Engineering minor and a major of their choosing (typically Math or Physics). Students meeting the admission expectations of the engineering institution should be able to complete the engineering degree with typically two additional years of study. At the end of this time, the student will receive a Bachelor of Science degree in engineering from the engineering institution and a Bachelor of Arts degree from

Westminster College (assuming completion of the normal requirements for a B.A. degree).

Westminster has formal partnerships with Washington University in St. Louis, Missouri S&T, and Southern Illinois University at Carbondale.

- Bachelor's degrees offered by the McKelvey School of Engineering at Washington University can be found [online](#).
- Bachelor's degrees offered by Missouri S&T can be found [online](#).
- Bachelor's degrees offered by the College of Engineering at Southern Illinois University at Carbondale can be found [online](#).

In order to qualify for the program students must fulfill the following requirements at Westminster:

- A minimum of 70-90 semester hours of transferable college credit (courses with grades of C- or better)
- Engineering - Introduction to Engineering and Design
- Mathematics - Calculus I, II, III, Linear Algebra, and Differential Equations
- Chemistry - General Chemistry I with lab
- Computing and Digital Science - One course or certified proficiency in a high-level programming language
- Physics - Physics I and II with laboratory
- All General Education (Breakthrough) requirements
- The requirements for a major of their choosing
- Additional coursework which depends on the student's chosen engineering field

A GPA of 3.25 or better, both overall and in science and mathematics courses, is required for admission to the Dual Degree Program at Washington University, a GPA of 2.5 is required for admission to Missouri S&T, and a cumulative GPA of 3.0 or higher is required for admission to Southern Illinois University at Carbondale. Applicants with lower GPAs are considered on a case-by-case basis. The liaison for the Dual Degree Engineering Program is Dr. Peng Yu of the Department of Mathematics.

Contact: Dr. Bharat Dhital  
Email: [bharat.dhital@westminster-mo.edu](mailto:bharat.dhital@westminster-mo.edu)

### Health Professions Program

Because a substantial number of students are interested in careers in the health professions, Westminster College supports a Health Professions Program (HPP). Students interested in the health professions have access to career counseling, academic advising, and pre-professional experiences intended to prepare them for the additional steps needed for careers in all health professions including, but not limited to, allopathic and osteopathic medicine, dentistry, physical therapy, and veterinary medicine.

Typically, Westminster students major in Biology, Biochemistry or Health and Exercise Science in preparation for a career in the medical professions. Professional schools usually do not stipulate a specific undergraduate major as a prerequisite for admission, but expect a solid background in science prerequisites that typically include general biology, physics, and chemistry.

Professional schools typically base their admission decisions on the applicant's level of academic achievement, scores on the



appropriate admission test, results of personal interviews, recommendations by the applicant's undergraduate professors, professional and volunteer experiences, and extracurricular activities.

Contact: Dr. Dawn Holliday  
Phone: 573-592-6125 Email: [Dawn.Holliday@wcmo.edu](mailto:Dawn.Holliday@wcmo.edu)

### **Nursing Dual Degree Program**

Westminster's Dual Degree Nursing Program is designed for students who wish to complete both an undergraduate, liberal arts degree (BA) and a degree in nursing (BSN). Westminster students may qualify for one of two programs: (1) the 3-2 program, through which they complete three years at Westminster and then two years at Barnes-Jewish College through the [Upper Division BSN Option](#); (2) the 4-1 program, designed for students who wish to spend four years at Westminster and one year completing the [Accelerated BSN Option at Barnes-Jewish College](#). Upon completion of the 3-2 option, students will receive both a BA from Westminster College and a BSN from Barnes-Jewish College. Students pursuing the 4-1 option will receive the Westminster degree at the end of the four years in residence, before going on to the Accelerated program to receive a BSN from Barnes-Jewish College. For degree requirements, please see the "Majors and Minors" section of the Catalog under Nursing, Dual-Degree Program.

Contact: Dr. Dawn Holliday  
Email: [Dawn.Holliday@wcmo.edu](mailto:Dawn.Holliday@wcmo.edu)

### **Athletic Training Dual Degree Program**

Westminster's Dual Degree Athletic Training Program is a 3-2 program, through which students complete three years of study at Westminster College and then two years at Culver-Stockton College through the Masters of Athletic Training Program. Upon completion of the 3-2 option, students will receive both a BA in Exercise Science from Westminster College and a Master's Degree in Athletic Training from Culver-Stockton College. Culver-Stockton College is accredited by the Commission of Accreditation of Athletic Training Education (CAATE) and offers a Master of Athletic Training (MAT). Upon completion of the program, a student would be eligible to take the Board of Certification examination to become a certified athletic trainer (AT). 3-2 program allows Westminster College students the opportunity to complete this degree in the standard of 5 years. In order to enroll in coursework, students must fulfill the admission requirements for and be granted formal admission to the program.

Contact: Dr. Amanda Gowin  
Email: [Amanda.gowin@wcmo.edu](mailto:Amanda.gowin@wcmo.edu)

### **Honors Program**

The Honors Program provides advanced students a multi-year experience involving challenging coursework with an interdisciplinary focus. The program gives students opportunities to apply advanced theories about global issues to experiences outside the classroom, and seeks to prepare them for graduate school or other distinguished post-Westminster opportunities (Through advanced seminars, off-campus experiences and completion of an Honors thesis project).

### **Legal Careers Program**

Westminster College graduates a significant number of students interested in careers in law and related areas. To support the undergraduate preparation of these students, the College has created a pre-law minor as well as the Legal Professions Program (LPP) coordinated by a faculty member. Students in legal studies and related career fields are encouraged to contact the Director at their earliest opportunity to obtain academic advising and pre-professional support. The Director is the primary pre-law advisor, advising students regarding their academic programs, administering practice Law School Admission Test (LSAT) and writing letters of recommendation to law schools. A special concern of the Director and the College is that graduates who become lawyers are able to view the system of law in its historical, political and philosophical context. Students planning to attend law school are urged to join Westminster's chapter of Phi Alpha Delta, the international law fraternity, to complete the pre-law minor and to take, as juniors, Westminster's LSAT preparatory course. The Director also oversees the Criminal Justice minor. The Director serves as the primary advisor for students who have declared a minor in Criminal Justice, advising students regarding their academic programs, writing letters of recommendation to graduate programs, and service as a reference in their early career.

### **Missouri State Agreement**

Westminster College and Missouri State University have entered into an agreement whereby Westminster students, majoring in either Security Studies or Political Science with a Security Studies track, may take courses through Missouri State's Defense and Strategic Studies Graduate Department. These may include Seated courses, Internet courses, and Web Conference courses. Permission to take these courses must be granted by Westminster College before students may enroll. The College will annually determine with Missouri State annual costs for these courses.

Contact: Dr. Tobias Gibson  
Email: [Tobias.Gibson@westminster-mo.edu](mailto:Tobias.Gibson@westminster-mo.edu)

### **Northcentral University**

Westminster College and Northcentral University have a memorandum of agreement that allows Westminster employees, alumni, and students to take courses and pursue study at Northcentral.

Northcentral programs in Business and Technology Management, Education, Psychology, and Marriage and Family Sciences are all online, feature applied experiential learning and benefit from one-to-one mentoring of students by faculty. Courses are offered in 8-week or 12-week formats with frequent starts throughout the year. The doctoral degree programs support learning with a Dissertation Research Center, Online Writing Center, tracking of dissertation milestones, extensive library and learning resources, interactive webinars and e-portfolios for students. Northcentral faculty hold appropriate terminal degrees in their fields.

Westminster College full-time faculty, part-time faculty, and other employees, students and graduates shall be entitled to enroll in Northcentral's degree programs for programs that are not available at Westminster College. Westminster College applicants may apply online through Northcentral's dedicated website and may use a dedicated toll-free telephone number.

Westminster College applicants must meet Northcentral program and admission standards. While enrolled, they must comply with all academic and other policies of Northcentral.

Northcentral will award newly enrolled Westminster College full-time faculty, part-time faculty, and other employees, students and graduates a scholarship of 10% off the published tuition rates for the entire degree program with equal portions of the scholarship applied to each course in the program. Students will receive the scholarship so long as they are continuously enrolled at Northcentral.

#### Still Scholars Early Acceptance Program

The Still Scholars Early Acceptance Program is designed to provide admission opportunities to outstanding students of Westminster College who have as their goal to become Doctors of Osteopathic Medicine. The program is conducted under joint collaboration of Westminster College and A.T. Still University's (ATSU) Kirksville College of Osteopathic Medicine (ATSU-KCOM).

Under this program, Westminster College students apply to ATSU-KCOM at the end of their sophomore year, or during their fourth semester as a residential Westminster College student, and must have been a residential Westminster college student for a minimum of three semesters.

For more information, please see the [Still Scholars Program](#) and contact Westminster College's Health Professions Program Coordinator.

Contact: Dr. Dawn Holliday

Email: [Dawn.Holliday@wcmo.edu](mailto:Dawn.Holliday@wcmo.edu)

#### Student Exchange System MMACU

Westminster College is a member of the Mid-Missouri Associated Colleges and Universities (MMACU). The association's student exchange system allows Westminster students to take undergraduate courses free of additional tuition charges at Lincoln University, Stephens College, William Woods University and the University of Missouri-Columbia. The MMACU student exchange system has various restrictions and participation requires the approval of the college Registrar. The intent of MMACU cross-registration is to support a student's educational needs when a desired course is not offered at the home institution, or when there are inherent schedule conflicts. Students must be in good academic standing, seeking a degree, and enrolled full-time as an undergraduate. (Hours at both the home institution and cooperating institution will be taken into account when determining full-time status.) Students are not allowed to enroll in courses for which the department at the cooperating institution determines do not have the necessary prerequisites. Not every course at the cooperating institution may be made available for MMACU cross-registration. All course fees must be paid directly to the cooperating institution.

#### Reeves Memorial Library

The mission of Reeves Memorial Library is to enhance students' ability to learn, the faculty's ability to teach and engage in scholarly activities, and Westminster's ability to function as a community of learners by offering effective services to the students, faculty, and staff of the college—using both traditional resources and new technologies.

The library is the primary avenue of support for students' research needs. The liberal arts curriculum is supported through the in-

house and online collections along with additional resources through MOBIUS and traditional interlibrary loan. The library provides access to a treasure trove of information, resources, and tools needed for academic success. Whether it is in-person, through online chat, texting, a phone call or email the knowledgeable and experienced staff of Reeves Library are available to support students' information needs.

Library staff offices and circulation desk are housed on the north end of the Student Success Center, which is located on the main floor of the building from the west entrance. From the Hazel entrance come up to the second floor for assistance. The Hazel Wing contains classrooms, computer labs, meeting spaces and provides 24/7 study space. For the latest library news check out the library Facebook page.

#### VETERANS INFORMATION

Westminster College welcomes veterans and students receiving veteran benefits and is a proud member of the Yellow Ribbon Program. All students who plan to use veteran benefits during their enrollment at Westminster College must notify the Director of Financial Aid when they are accepted for admission and provide a Certificate of Eligibility from the Department of Veteran Affairs. Upon receipt of the Certificate of Eligibility, the Director of Financial Aid will notify the Registrar (certifying official) that the new student plans to use veteran benefits for the upcoming semester. The Registrar will certify the veteran benefits during the first week of classes of their first semester of attendance.

After the first semester of enrollment, it is the responsibility of the student receiving veteran benefits to notify the Registrar via e-mail of their intent to use benefits before the end of the first week of classes in each semester they plan to receive veteran benefits. If a student who plans to receive veteran benefits does not notify the Registrar that they plan to use veteran benefits before the end of the first week of classes, the veteran will not be certified and will not receive benefits. Students using veteran benefits for the first time should expect a delay in the first benefit check. The benefit check may not be issued for 8-10 weeks after certification.

Veteran students should immediately notify the Registrar of all schedule changes during the semester, including withdrawing from a class or classes. The Registrar should also be notified when students receiving veteran benefits declare a major and only courses that apply toward major or general education requirements are eligible for certification.

All students receiving veteran benefits will be expected to attend classes on a regular basis. Excessive absences or unsatisfactory progress will be reported to the Veteran's Administration.

For questions regarding financial aid in combination with veteran benefits, please contact the Director of Financial Aid. In compliance with the [Veterans Benefits and Transition Act of 2018](#), Westminster College will not impose any penalty, including the assessment of late fees, the denial of access to classes, libraries or other institutional facilities, or the requirement that a Chapter 31 or Chapter 33 recipient borrow additional funds to cover the individual's inability to meet his/her/their financial obligations to the institution due to the delayed disbursement of a payment by the U.S. Department of Veterans Affairs.

# ACADEMIC POLICIES & PROCEDURES

## Digital Blue

As part of Westminster's Digital Blue Initiative, each student will receive an Apple iPad bundle (includes device, i-Pencil, charger, and charging block) when he/she/they arrive at Westminster College. Students will be able to use their iPad and pencil during their time here and keep these devices upon completion of their degree. If a student withdraws, is deemed ineligible to return, or transfers from the College, they will need to return their iPad bundle or they can purchase it at a depreciated value. If a student fails to return his/her/their device or returns it damaged, the device will be remotely disabled and its replacement applied to the student's account. For all policies related to the usage and ownership of a Westminster-issued iPad, please see The Digital Blue Student Responsibility and Liability Agreement found [here](#) or in the [Student Handbook](#).

## Academic Advising

Westminster College regards Academic Advising as an important part of the undergraduate experience. Entering freshmen are paired with an Academic Advisor through the Student Success Center; this individual serves as their advisor and continues in this capacity until the student declares a major. Upon declaring a major, students are advised by a faculty member in their major department. The student and advisor consult on a periodic basis in regard to the student's academic program, schedule of courses and academic progress. The advisor is the first person a student should contact for assistance with an academic or personal problem. Academic advisors have responsibilities specified in the Faculty Handbook; the responsibilities of advisees are specified in the [Student Handbook](#).

## Academic Resource Center

The Academic Resource Center, housed in Reeves Library, provides a wide range of academic services for students, including a Writing Center, a Math Lab, an Accounting lab, and tutoring in many courses. The Center is open each week in the afternoons and evenings.

## Academic Warning

A student is placed on academic warning when he/she/they has a semester grade point average (GPA) that falls below 2.0 but their cumulative GPA does not warrant being placed on Academic Probation. As a 2.0 is required for graduation, the academic warning status is intended to give students notice that their academic success is in eventual jeopardy unless their

grades improve. Students on academic warning may be offered special support services. When a student is placed on Academic Warning, there is no transcript notation and the following individuals are notified: the student, their advisor(s), Dean of Faculty, Dean of Students, and as appropriate the Director of the Academic Enrichment Program, Director of the Learning Opportunities Center, VP/Dean of Student Life, Executive Director of the Wellness Center, and Coach.

## Academic Probation

A student is placed on academic probation when his/her/their academic progress is insufficient enough to necessitate a final warning prior to dismissal. Students are placed on academic probation when they fail to meet a specified minimum standard with respect to their cumulative GPA. The applicable standard varies with the number of hours the student has completed and is given in the table below.

### Standards for Academic Probation

Hours Completed	Minimum Acceptable GPA
0 to 26.9	1.65
27 to 56.9	1.85
57 or more	2.00

When a student is placed on academic probation or continued on probation, an appropriate notation is made on the student's transcript, and the following are notified: the student, their advisor(s), Dean of Faculty, Dean of Student Life, and as appropriate the Director of the Academic Enrichment Program, Director of the Learning Opportunities Center, Executive Director of the Wellness Center, and Coach.

Students placed on academic probation for the first time are required to enroll in CLS 105, Academic Recovery Workshop.

To be removed from academic probation, a student must demonstrate that he/she/they is capable of meeting the graduation requirement of a 2.00 cumulative GPA. This is demonstrated by completion of a semester of at least 12 credit hours with a GPA of 2.00 or better and by raising his/her/their cumulative GPA to at least the minimum acceptable level according to the standards above. Students on academic probation will be offered special support services. Probationary status is reviewed at the end of the fall and spring semesters, and at the conclusion of the Summer Online term.

When a student is removed from probation, the following are notified: the student, their advisor(s), Dean of Faculty, Dean of Student Life, and as appropriate the Director of the Academic Enrichment Program, Director of the Learning Opportunities Center, Executive Director of the Wellness Center, and Coach.

Students on probationary status must meet with the Director of the Academic Enrichment Program prior to the first day of classes to discuss a plan for their future academic progress. Terms of academic probation will include a restriction in participating in co-curricular or extra-curricular activities that may include one or more of the following:

- o College athletic competition
- o Fraternity or sorority recruitment, rush, or pledgship
- o Officer duties in any student organization
- o Other co-curricular or extra-curricular activities that may impede their academic progress

These restrictions become active when a student enters his/her/their second consecutive semester on probation. These restrictions are at the discretion of the Dean of Student Life, the Dean of Faculty, and the Associate Dean of Student Success.

The student may appeal these terms to the Vice-President and Dean of Faculty for further consideration.

#### Academic Dismissal

Students not making satisfactory progress towards a degree are subject to academic dismissal. Students become subject to dismissal by failing to meet the probation GPA standards above for two consecutive semesters or by earning a GPA of 1.0 or less in any single semester. Extenuating circumstances will be considered before a final decision to academically dismiss a student. Positive or negative evidence of academic effort, contribution to the campus community, or other outside circumstances may be considered. Students have the right to appeal their dismissals to the Vice President for Academic Affairs and Dean of Faculty. Any student whose appeal of academic dismissal is granted by the Dean is automatically placed (or continued) on Academic Probation. Academic dismissal is noted on the student transcript.

Any student who has been dismissed for academic reasons and who seeks to return to Westminster College must apply for readmission through the Admissions Office. Applications for readmission are not usually accepted until at least a year after the student was dismissed, although in exceptional circumstances an application for readmission may be considered after only one semester. Students who are readmitted are readmitted on probation and are subject to immediate dismissal if their work is not satisfactory.

#### Academic Review Board

The Academic Review Board (ARB) is a group (Dean of Students, Associate Dean of Student Success, Executive Director of the Wellness Center, academic advisor, coach, and others as appropriate) which convenes as necessary during a semester when it is determined that a student is no longer engaged in the academic process—not attending classes, not completing class work, etc. The Academic Review Board works with the student to develop a plan of action for completing the

semester successfully. At any time during the semester, this board has the authority to place a student on Academic Warning, Academic Probation, or to administratively withdraw the student from the college during the first 50 class days, if they determine that the student cannot successfully complete the semester or doesn't comply with terms of their ARB contract. Typically, grades of WF or WP (as appropriate) are recorded on the student transcript if the student is administratively withdrawn.

#### Honor Code and Oath and Values Board (OVB)

Westminster College's Oath and Values Board upholds and promotes the tradition of the Westminster College Athenian Oath, endeavors to secure the cooperation of the faculty, staff, and student body to this end, investigates violations of the Oath, and is empowered to act upon violations of the Oath whether they are academic or conduct related.

Higher education involves both ethical and intellectual development. To this end, Westminster College students take the Athenian Oath when they walk through the Columns and join our community. The Oath, which is our honor code, embodies the commitment that each student has to the College community as a whole and helps to instill the core values of the institution in each student: Integrity, Fairness, Respect, and Responsibility.

The Oath is grounded in the cultivation of these values, which are manifested in both academic honesty and personal conduct. The Westminster College degree is an indication of personal and academic achievement, which in large measure depends upon the honor of each student. Any student whose actions do not comply with these principles is not adhering to the ideals of the College and its student body.

The OVB has been established to promote habits of academic integrity and personal responsibility. All students are bound by their oath and Westminster's Honor Code that states No Westminster student shall commit any act of academic dishonesty in order to advance her or his own academic performance or to impede or advance the academic progress of others. Any student, faculty or staff member who has reason to believe that a violation of the oath and Honor Code has been committed is obligated to report the act to the Oath and Values Board.

For more information on the Oath and Values Board including its Constitution, Policies, and Procedures, please visit our [website](#).

#### Assessment

Westminster College has developed an assessment program for measuring progress toward its mission and academic and co-curricular goals. The college regularly asks for student participation in assessment activities in order to acquire information that is used to improve the college's programs and to maintain its accredited status with the Higher Learning Commission. College-wide assessments are designed to measure student progress toward the college mission and learning goals and to determine satisfaction with various college offices and services. Each academic department also has an assessment plan to measure student progress toward the learning goals delineated for each major.



Assessments of the college mission, college learning goals, major learning goals, the goals of the co-curricular program, and college services are made on a regular basis. Student participation in assessment activities is critical and invaluable in helping the college to maintain and improve its programs and services and to maintain its accredited status. Thus, all students are expected to participate in all college-wide and department assessments. All students are responsible for participating in the assessment activities for each major they have declared.

For more information about assessment at Westminster College, please contact Institutional Research & Assessment Coordinator, [Matt Knudtson](#).

### Attendance

Although there is no College-wide policy regarding absences, regular attendance is expected, and instructors are free to establish absence policies for their classes. Members of the faculty will take attendance for all class sessions. The purpose of this policy is to enable the College to maintain compliance with Federal financial aid and Veterans Administration policies regarding student attendance. Failure to attend class could result in a reduction of financial aid awards. It is the student's responsibility to arrange to complete work missed due to an absence and to ascertain what assignments, if any, were given to the class during his/her/their absence.

Absences incurred while representing the College in approved activities are classified as College duty absences. The Office of Academic Affairs must approve such absences at the request of the sponsor of the activity in question. No student shall be penalized for absence on approved College duty, but instructors may require that work missed because of a College duty absence be made up. A maximum of two such absences is allowed per semester, and the students are to submit requests to the Academic Dean at least two weeks in advance of an absence. Under exceptional circumstances, the Dean of Faculty may grant waivers to this policy on a case-by-case basis. Detailed information on the College Duty policy can be obtained from the Office of Academic Affairs and the Office of Student Life.

### College Duty Policy

#### A. Classification of College Duty

- o **Level I College Duty** - College-contracted athletic events. Automatically accepted as college duty as outlined in Part B.
- o **Level II College Duty**- class-related travel, including field trips.
- o The Academic Deans Office will approve these on a case-by-case basis as outlined in Part B.
- o **Level III College Duty** -
  - o college-sponsored events, such as those attended by student organizations
  - o activities approved by the college and listed in the [Student Handbook](#)
  - o events not sponsored by the College, such as Greek conferences and external leadership conferences

The Academic Dean's Office will approve these on a case-by-case basis as outlined in Part B.

#### B. Approval Timetable & Process:

In all cases (Levels I, II, and III) the participating group shall submit the following to the Academic Dean's Office a minimum of two (2) weeks in advance of travel. Under exceptional circumstances, the Dean may grant waivers to this policy on a case-by-case basis.

- o **A list of students planning to participate.**

Coaches shall distribute to all faculty via e-mail or otherwise the names of athletes and dates of games at the start of each semester and provide changes to the roster and schedule to faculty as the semester progresses. Within two weeks before each event they shall continue to provide faculty the names of students attending and when and where the games will be played. After each event, should any student-athlete not have attended the athletic event, the coaches will notify the relevant faculty of the names of these absent students within two class days after their return to campus.

Note: On-campus events also require notification of faculty for students to miss class.

Field trips led by faculty are subject to the same approval requirements of two weeks' notice to the Dean's Office. Upon approval, the faculty member shall notify the remaining faculty of date, time and list of students attending. Within two weeks before each event he/she shall provide faculty the names of students attending and when and where the field trip will be taken. After each field trip, should any student not have attended, the faculty member will notify all faculty within two class days after return to campus. (See College Absence Policy below.)

- o **A description of the conference, workshop or event.**

In the cases of Level II and III the participating group shall submit the following to the Academic Dean's Office a minimum of two (2) weeks in advance of travel. Submissions with less than two weeks' notice may result in rejection solely for this reason.

- o **A description of the educational value and/or how the activity benefits the College**
- o **How participation constitutes "representing the College," as defined in the College Catalog**

#### C. General Rules

1. All Levels: Upon their return to campus, students shall follow-up with relevant faculty at the next scheduled class period or before to complete missed work.
2. Levels II and III:
  - a. No student shall be allowed more than **two (2) days** College duty per semester.
  - b. If students attending the event are not accompanied by a faculty/staff advisor, then the participating students should secure a faculty or staff sponsor for the event and provide a report substantiating the educational value. The completed report must be delivered to the sponsor within one week of return. If an acceptable report is not submitted, the absence will

not count as College Duty. For campus organizations, the lack of or incomplete submission of a report may result in denial of college duty designation for future events sponsored by that organization.

- c. Students are responsible for providing at least one week's notification to the instructors of the missed classes.
- d. For Level II College duty only: In the case of field trips beyond the hours of the scheduled course time slot, which may conflict with other courses, it is the student's responsibility to seek permission from the faculty member whose class is being missed. At least one week's notice shall be given. The faculty member has no obligation to grant permission to miss class, tests or assignments that are due.

### 3. Under exceptional circumstances, the Dean of Faculty may grant waivers to this policy on a case-by-case basis.

#### Auditing Courses

Students may visit a class with the permission of the instructor and in this case no record is kept. There is a fee of \$55 per credit hour for non-degree seeking students who audit a class. A student may register to audit a course with the permission of the instructor. Auditors are not necessarily responsible for the completion of class work or taking examinations but should attend class on a regular basis. A course that is entered on the student's permanent record as audited earns no credit and fulfills no requirements. See the Registrar for more information.

#### Change of Schedule

Students may add courses to their schedules electronically in the fall and spring semesters during the first week of classes (five class days). The deadline to drop classes without transcript notation is the 7<sup>th</sup> day of classes in the fall and spring semester. Students who withdraw from school during the 8<sup>th</sup>-50<sup>th</sup> day of classes will receive the grade of WP or WF for their courses. In the fall and spring semesters a student may withdraw from a course during the period which begins after the 7<sup>th</sup> day of classes and ends on the fiftieth day of classes (see the academic calendar for dates.). Please refer to Withdrawal Policy for additional information. No change of schedule is effective until the Academic Advisor has approved the schedule change.

#### Course Loads

Students enrolled in 12 or more credits during a given semester are regarded as full-time students. The typical course load is five courses or 14 to 16 credit hours per semester. Registering for more than 19 credit hours per semester requires the approval of the Vice President and Dean of Faculty. Students who are approved to register for an overload will be subject to additional charges for each credit hour over 19 (see the section on Tuition and Fees for more information).

All degree-seeking students **will be billed for full time status** unless they complete an approval form for part-time status. Students who plan to be enrolled for less than 12 hours in a given semester, must submit a part-time approval form to the Registrar's Office before the last day of the drop period (7<sup>th</sup> class day).

#### Students Enrolling in Online Courses

The following terms are typically offered: a fall 15-week (late August – mid-December) and a spring 15-week (mid-January –

early May) traditional semester; a Winter online term; and two seven week online summer terms.. All students may enroll in up to a total of nineteen hours during a traditional semester. Students may take the equivalent of one credit hour per each week of the Winter and/or Summer online session. For example, if the student enrolls in a 3-week online session, the student may enroll in no more than 3 credit hours. Any exceptions to these terms must be approved by the student's advisor and by the Provost and Chief Academic Officer or his/her/their designate.

At least fifty percent of credits earned by degree-seeking students at Westminster College must be in traditional classroom instruction. Students must complete at least 51% of all credits required for a major, minor, or a certificate program in traditional (i.e. face-to-face) or blended courses. This is, students may use online (i.e. distance) course credit to satisfy, at most, 49% of the credit hours required for a major, minor, or certificate program.

Non-degree-seeking students (alumni, students from other colleges or universities, high school students, etc.) are allowed to enroll in online courses. However, as with traditional courses, preference will be given to degree-seeking students, who will be allowed to register first (exception: students attending Westminster as part of an international exchange program).

#### Credit Hour

Westminster College adheres to U.S. Department of Education requirements on the award of academic credit, and uses the semester hour as the basic unit of credit. All Westminster College courses, regardless of term or modality of instruction, will consist of one hour of classroom or direct faculty instruction and a minimum of two hours of out-of-class student work each week for each academic credit given. This policy also applies to non-classroom work, including independent studies, laboratory work, internships, practica, studio work, student teaching, travel courses, and other academic work leading toward the award of credit hours. For a 1-credit course, students must complete at least 45 hours of work; for a 2-credit course, a student must complete at least 90 hours of work; for a 3-credit course, a student must complete at least 135 hours of work; for a 4-credit course, a student must complete at least 180 hours of work; for a 5-credit course, a student must complete at least 225 hours of work; and for a 12-credit course, a student must complete at least 540 hours of work. Faculty must document, in each course syllabus, how each course taught meets the above requirements.

#### Grade Reports

By entering their confidential username and password, students may access their midterm and final grades through the campus computer network. A printable version of the grade report is also available to students on MyWC. Westminster College does not mail grade reports. (Information regarding the [Family Educational Rights and Privacy Act](#) is included in this catalog or can be obtained online.

## Grades and Quality Point System

A (4.0), A- (3.7)	OUTSTANDING
B+ (3.3), B (3.0), B- (2.7)	SUPERIOR
C+ (2.3), C (2.0), C- (1.7)	SATISFACTORY
D+ (1.3), D (1.0), D- (0.7)	PASSING
F (0.0)	FAILING (0 quality points/credit hour)
WF	Withdrew Failing
WP	Withdrew Passing
W	Medical, Military or other Withdrawal
CR	Earned credit, by an examination or in a course which CR-F grading is mandatory, or "C-" or higher in a course taken on an optional CR-D-F basis
TR	Transferred to Westminster with a grade of "C-" or higher
IN	Incomplete
AU	Audit

College policy stipulates that only courses with grades of "C-" or higher satisfy prerequisite requirements. However, each department decides what grade will satisfy its prerequisite requirements. Only courses completed with passing grades (A, A-, B+, B, B-, C+, C, C-, D+, D, D- and CR) earn hours of credit.

## Credit-D-F

In any given semester or term, sophomores, juniors, and seniors may elect to take one Westminster College course outside their majors on a CR-D-F (Credit-D-Failing) basis, but no student may count more than four such courses toward the minimum hours required for graduation. A course that includes an accompanying required laboratory is regarded as one course even though students must enroll for the lecture and laboratory separately.

Since courses with grades of CR do not enter into the computation of a student's grade point average, the CR-D-F option allows a student to take courses in unfamiliar subjects or in subjects the student finds difficult at a reduced risk to his/her/their grade point average. However, if a student earns a D or F, this grade does enter into the computation of the GPA. Students who desire to take a course on a CR-D-F basis must complete and file the appropriate electronic form by the time specified in the academic calendar.

Students should consult with their advisors before electing to take a course CR-D-F. Both potential employers and graduate and professional schools may look with disfavor upon grades of CR in a student's undergraduate record. Many graduate and professional schools do not regard courses with grades of CR as satisfying their requirements for admission to various degree programs.

## Incomplete Grades

An instructor may assign the temporary grade of IN (Incomplete) only if circumstances beyond the student's control prevent completing the work required in the course and it would be possible for the student to earn a passing grade if the work remaining were to be satisfactorily completed.

Ordinarily, the student must complete the work remaining within six weeks from the beginning of the next term. The Vice President and Dean of Faculty is authorized to grant an extension if one is sought by both the student and the course

instructor and the Dean is satisfied that circumstances merit a special accommodation. The maximum extension permitted is to the last day of final examinations; in no case is an IN allowed to remain on a student's record after grades are posted for the term succeeding the one for which the IN was assigned.

## Incomplete Grades for International Students

Assigning a grade of Incomplete can result in an international student losing their F-1 student status if they are not making academic progress. To ensure that this does not happen, follow the following guidelines and procedures:

1. International students MUST complete the minimum of 12 credit hours every semester excluding Winter/Summer. They must obtain a grade of A, B, C, CR, D, or F in all courses; an "I" (INCOMPLETE) will not qualify as completion of the course. Only under extreme circumstances can an "I" be given and this must be approved by the Principal/Designated School Official ([Jessey Reed](#)) before an "INCOMPLETE" can be granted to the student. The student will need to provide a written explanation plus evidence (if applicable) of why an Incomplete is necessary before approval will be granted.
2. If an INCOMPLETE is not granted then the grade earned at the end of the semester will be posted to the transcript.
3. If an INCOMPLETE is approved the grade for the class MUST be posted before the student begins the next semester. The student will not be allowed to begin the next semester until a grade is posted for the INCOMPLETE.

## Independent Study and Independent Course Credit

Independent Studies are available to students who have earned credit in at least one regular course in the subject of the Independent Study. The Independent Study is conducted with the prior approval and guidance of individual faculty members. The course title and description of the Independent Study will be a unique title/description prepared by the student and instructor, and will not be listed in the College Catalog with a permanent course number. Independent Studies are normally counted as elective credit and do not fulfill general education requirements but may fulfill major or minor requirements.

Independent Courses, listed in the College Catalog, are also available for students who are unable to complete a course listed in the College Catalog during the Fall or Spring semester. The Independent Course is conducted with the prior approval and guidance of individual faculty members. Independent Courses will only be approved for extenuating circumstances and are not allowed if other scheduling options are available.

Independent Studies and Independent Courses must be approved by the Department Chair and the Associate Dean of Faculty. Faculty are advised to submit electronic approval for Independent Studies and Courses before the end of the preregistration period in the prior semester. Later submissions due to extenuating circumstances will be considered on a case-by-case basis. To receive approval for Independent Studies and/or Independent Courses the professor must complete and submit the form electronically through MYWC before the course will be approved and then added to the student's schedule.

## Registration

New students register for the first semester classes during the spring or summer preceding the beginning of their first semester. They are urged to communicate directly with their academic advisors before choosing a schedule. Continuing students should register for following semester courses in accordance with the registration schedules established each year.

## Repeating Courses

A student may not repeat a course in which he/she/they has earned a grade of A, A-, B+, B, B-, C+, C or C-. When a course with a grade of D+, D, D- or F is repeated, only the grade (quality points) and credit hours for the most recent taking of the course will enter into computations of the student's grade point average and be counted toward graduation.

## Student Classification

**Regular Student:** a degree-seeking student formally admitted to Westminster College for a program of study leading to a baccalaureate degree. Regular students are classified as:

- Freshman- fewer than 27 credit hours
- Sophomore- at least 27 and fewer than 57 credit hours
- Junior- at least 57 and fewer than 88 credit hours
- Senior- 88 or more credit hours

**Full-time Student:** a student who, in any given semester, is enrolled for a minimum of 12 credit hours.

**Part-time Student:** a student who, in any given semester, is enrolled for fewer than 12 credit hours.

**Non-Degree Seeking Student:** a student who has been permitted to enroll for credit in one or more courses but who has not been accepted as a regular student.

## Summer Terms

Tentative online course offerings will be announced no later than the time of spring registration. Students who plan to participate in internships for credit or work on independent study projects during the summer months should check with the Office of the Registrar to determine whether they must enroll for the summer session to receive academic credit for their summer work.

## Seven Week Summer On-Line Session

Online classes provide the opportunity for students to complete course work from home or another location during a seven-week period. Students enrolling in online classes will work closely with their faculty instructor via the computer to complete their assignments online. Students who enroll for online classes should carefully review the course description and information for online classes before enrolling. Online classes will also receive letter grades that will be calculated in the Westminster GPA unless noted otherwise. Students may take the equivalent of one credit hour per each week of the session, so a total of seven hours. Any exceptions to this must be approved by the student's advisor and by the Provost and Chief Academic Officer or his/her/their designate.

## Winter Session

Travel courses or online courses may be offered between Fall and Spring semesters. Students may take the equivalent of one credit hour per each week of the Winter Session. Any exceptions

to this must be approved by the student's advisor and by the Provost and Chief Academic Officer or his/her/their designate.

## TRANSFER CREDIT

### Policy Statement for Granting Transfer Credit

**For Incoming Students:** It is the policy of Westminster College to grant transfer credit to incoming students for college courses taken elsewhere following a full review of transcript information by the office of the Associate Dean of Faculty through the Transfer Credit Evaluator and Advising Module Specialist, in consultation with the appropriate Department and/or Division Chair(s) when necessary. The incoming student must provide an official transcript of all college coursework completed elsewhere before any credit is entered onto the Westminster transcript. In addition, the following conditions must be met:

- o The institution from which the credits were earned must be an accredited institution of higher learning, as accredited by an established regional accrediting organization. Westminster College may award credit from accredited institutions that are not regionally accredited but reserves the right to refuse transfer credit from such institutions.
- o The grades received for such credits must be a C- or higher. Where the student earned a grade of CR, that student must be able to document that the course was passed with a C or better (or a C- from schools with a plus/minus grading system).
- o The course must be comparable to a course offered at Westminster in order for equivalent course credit to be awarded. Courses that are not comparable to specific Westminster courses may be awarded departmental or divisional (NSC, HUM, SSI) elective credit, if the course fits with our college-wide learning goals. Courses that meet the criteria for a General Education course will be awarded appropriate credit if the course has a course equivalency with an existing Westminster course or can be determined to meet the college learning goals associated with a particular requirement. Courses from a community college or other two-year institution will generally be awarded lower-level credit at the 100 or 200 level, but credit for 300 or 400 level courses may be awarded by the Associate Dean of Faculty, in consultation with the appropriate department chair, if the content of the course is equivalent to a Westminster 300 or 400 level course and the course taken at the community college has at least one prerequisite.
- o If the course has not been previously evaluated, the student may need to provide additional information about the course, such as an official course description or course syllabus. An assessment will then be made to determine whether the course taken elsewhere is indeed comparable to a particular Westminster course or is eligible for elective credit. In any event, Westminster reserves the right to make the final determination as to the transferability of courses.
- o Although there is no limit to the number of hours that can be transferred in from another institution, transfer students must fulfill all of Westminster's graduation requirements. This includes but is not limited to the following: complete at least 48 credit hours as a full-time student at Westminster, which must include the two semesters immediately



preceding graduation; be certified by a department as having met the department's requirements for a major; and complete the College's Breakthrough general education program. (See the Graduation Requirements section of this catalog for additional requirements.) Should a course a student wishes to transfer in not match a course included in General Education, but meet the college-wide learning goals associated with the General Education context, substitutions may be made by the Associate Dean of Faculty; likewise, should a student wish to transfer in a course for a major or minor that does not match the departmental requirements, the Department Chair will decide if the course may count toward the major or minor.

- o Transfer students who have completed an Associate of Arts (A.A.) degree from a regionally accredited community college will have their Foundational and Themes requirements under Breakthrough waived, with the exception of Westminster Seminar for transfer students (WSM 102). The requirement for a PE activity course will likewise be waived. One of the two Exploration Cluster courses will also be waived. Breakthrough's Lifetime Leadership requirements will be waived with the exception of one upper-level Writing Intensive course, and one Research course. (These Lifetime Leadership requirements may be fulfilled with courses that also contribute to a major or minor.)
- o Transfer students who have completed an Associate of Science (A.S.) degree from a regionally accredited community college will have their Foundational requirements under Breakthrough waived, with the exception of Westminster Seminar for transfer students (WSM 102). The requirement for a PE activity course will likewise be waived. The Themes requirements for Natural Science, Institutions & Society, and Human Development will also be waived. One of the two Exploration Cluster courses will also be waived. Breakthrough's Lifetime Leadership requirements will be waived with the exception of one upper-level Writing Intensive course, and one Research course. (These Lifetime Leadership requirements may be fulfilled with courses that also contribute to a major or minor.)
- o Transfer students who have completed the CORE 42 framework at a participating Missouri Institution will have their Foundational and Themes requirements under Breakthrough waived, with the exception of Westminster Seminar for transfer students (WSM 102). The requirement for a PE activity course will likewise be waived. Breakthrough's Lifetime Leadership requirements will be reduced to one upper-level Writing Intensive course, one Research course, and one Information & Digital Literacy course. (These Lifetime Leadership requirements may be fulfilled with courses that also contribute to a major or minor.)
- o There is no "age limit" on credits that may transfer. However, students should be aware that when a course, either required or elective, is awarded credit in some disciplines, such as information technology or nursing, the student may need to take additional courses so that they have current knowledge in the major.
- o Credit for Developmental-level courses, defined as below the Westminster College 100 level, will not be accepted for transfer credit.
- o When a course offered by one department is a required course for the major in another department, the course

prefix will guide the final decision regarding the evaluation of transfer credit. If the other department does not agree with the evaluation, they may substitute the course as a requirement for the major.

- o The Office of Enrollment Services will solicit the required information from incoming students as part of their regular mailing of materials to accepted students. That information will be forwarded to the Associate Dean's office for review.

Written confirmation of course equivalencies will be available from the Registrar's Office after the official transcript has been evaluated. The Registrar's office will be responsible for informing the student's advisor of any transfer credit awarded after it is posted to the Westminster transcript.

**For Current Westminster Students:** Current Westminster students who wish to take courses at another institution (in either regular or summer sessions) and want to guarantee the transferability of the credit must have the prior approval of their advisor and the appropriate Department Chair (or the Associate Dean of Faculty). Individual departments have the right to set their own limits regarding the number and/or type of courses counting toward a major that may be transferred in by current students. Transfer Approval forms are available from the Registrar's office.

In order for courses to be considered for transfer credit, the student must have an official college transcript of all coursework completed elsewhere mailed directly to the Registrar's office. Under federal law, only the student can request that a college transcript be sent to Westminster. Courses being considered for transfer must also meet the following conditions:

- o The institution from which the credits were earned must be an accredited institution of higher learning, as accredited by an established regional accrediting organization.
- o The grades received for such credits must be a C- or higher. Where the student earned a grade of CR, that student must be able to document that the course was passed with a C or better (or a C- from schools with a plus/minus grading system).
- o For a student who has secured official prior approval on the Transfer Approval form, the course will be transferred in accordance with the stipulations on the form.
- o For a student who has not secured official prior approval, the office of the Associate Dean of Faculty through the Transfer Credit Evaluator and Advising Module Specialist, in consultation with the appropriate Department or Division Chair(s), will determine whether the course taken elsewhere is indeed comparable to a particular Westminster course. Courses that are not comparable to specific Westminster courses may be awarded departmental or divisional elective credit. A student not securing prior approval risks taking a course that will not count as he/she/they may have intended.
- o If the course has not been previously evaluated, the student may need to provide additional information about the course, such as an official course description or course syllabus. An assessment will then be made to determine whether the course taken elsewhere is indeed comparable to a particular Westminster course or is eligible for elective credit. In any event, Westminster reserves the right to

make the final determination as to the transferability of courses.

- o Students and advisors can view any updated transfer credit awarded and entered on the Westminster transcript through MyWC.

The grades for courses transferred in to Westminster will not count toward the Westminster GPA. No credit will be awarded for developmental courses.

**Transfer Credit Appeals:** Student appeals of course transfer and equivalency decisions should be made initially through the Transfer Credit Evaluator and Advising Module Specialist, and should include any additional information that may be of assistance in determining the proper course equivalency. The Transfer Credit Evaluator and Advising Module Specialist may choose to revisit the initial decision, and/or to consult with the appropriate Chair(s).

If the appeal is denied, a student may apply directly to the Associate Dean of Faculty, again including any and all additional information that may be of assistance in determining the proper course equivalency. This appeal should be made in writing, and notice of the result of the appeal will also be made in writing.

If a resolution is not reached, a student may then appeal to the Commissioner of Higher Education of the Coordinating Board for Higher Education (CBHE) of the State of Missouri. This must be done within 45 days of the date that written notice is received of the denial of an appeal. The office of the Associate Dean of Faculty will forward all materials provided by the student, as well as documentation of the reason for the denial, along with the appeal.

**International Baccalaureate Credit:** Westminster recognizes the rigor of the IB program and therefore awards college credit to students who have earned the IB diploma. Students who present a full IB diploma with a final total score of 28 points or better will be awarded a year's worth (30 hours) of credit toward graduation. If a student presents a full IB diploma with a total score of 24 through 27, they will be awarded credit hours based on the following:

IB Score	Minimum Westminster Credit
28 points or above	30 hours
27 points	25 hours
26 points	20 hours
25 points	15 hours
24 points	10 hours

Specific course equivalencies and credit hours will be determined on an individual basis based on actual IB exams, scores, and major area of study, as determined by academic department chairs. Students for whom course equivalency does not equal to the total number of credit hours per the table above, will be awarded sufficient lower-level interdivisional elective credit (IDV 299) to make up the difference. If a student does not present a full IB diploma, then credit may be awarded only for subjects in which the student has scored a five or higher on the final exam. If the student earns the equivalent of a C- or higher (satisfactory performance or better) on the Theory of Knowledge exam, they will receive three hours of

credit. Students who present a certificate of completion of the Creativity, Action and Service (CAS) component of the IB program will be awarded credit for completion of the graduation requirement to earn credit on one physical education activity course (i.e. 1 credit for PED A99) and credit for successful completion of LST 133 (1 credit).

No more than 30 hours of credit will be awarded for the combination of IB, AP, or CLEP.

### Articulation Agreements

Westminster College maintains articulation agreements with the following institutions:

- o East Central College
- o Georgia Perimeter Community College
- o Houston Community College
- o Metropolitan Community College
- o Moberly Area Community College
- o Southern China Normal University
- o Southern Illinois University Carbondale
- o St. Charles Community College

### Dual Enrollment and Dual Credit Programs

Westminster will treat credit in dual enrollment and dual credit programs offered by other institutions as transfer credit so long as it is presented on an official transcript from an accredited college or university with a grade of "C-" or better earned. This credit will be counted toward Westminster's general degree requirements; however, departmental evaluation will be required before it may be counted toward completion of a specific degree program. Thus, students seeking to transfer credit for dual enrollment/credit to Westminster may expect that credit will be counted toward undergraduate requirements subject to the College's transfer policies and procedures; however, it is possible that not all credit will transfer toward a particular degree program. Students are encouraged to contact the appropriate department chair to determine if transfer is possible in individual cases.

### Consortia Courses

Westminster College is a member of the Council of Independent Colleges Online Course Sharing Consortium (CIC-OCSC). Our membership allows students to enroll in online courses that are taught at other member institutions.

Consortial courses count as Westminster College credit on transcripts, are calculated in the GPA, and are eligible for financial aid. Consortial courses are transcribed with a leading C- followed by the course code (e.g., C-ENG 103).

All deadlines, semester start and end dates, withdrawal dates are set at the teaching institution. Students are responsible for adhering to the academic dates and deadlines of the teaching institution where the course is offered.

Students in online degree programs will be enrolled in consortial courses under the following circumstances:

- A course is required to stay on track for graduation and is not offered in the required semester the student seeks to enroll in a consortial course

### Limitations on Enrollment in Consortial Courses

Enrollment in consortial courses is subject to the following limitations:

- Students may not exceed a total of 16 credits in consortial courses while enrolled as a Westminster College student
- Students may not enroll in more than 4 consortial credits in a fall or spring semester or more than 7 consortial credits in the summer terms
- The Dean of Faculty may grant approval for a student to enroll in credits above the limit only in extraordinary circumstances
- Departments establish their own limitations on the maximum number of courses and which courses count toward a major, minor, or certificate program
- If Westminster College is offering a course that is equivalent to a consortial course that is being offered in the same semester, the student must enroll in the Westminster College course. The student may enroll in the consortial course if there are no remaining seats in the Westminster College course or with approval from the Dean of Faculty for extenuating circumstances

### Cost of Consortial Courses

The cost of a consortial course is \$363/credit hour.

### Drop and Withdrawal from Consortial Courses

The teaching institution determines the last date to drop a course, and dates when students may withdraw from a course (with transcript notation).

### Refund for Consortial Courses

Students who drop a course according to the teaching institution's policy will receive a full refund. A refund will not be issued after the last day to drop a course.

- A student is interested in extra coursework in a focus area that is not offered at Westminster

The list of consortial courses that are available are listed at: <https://students.acadeum.com/institutions/westminster-college-mo>.

### Eligibility to Enroll in Consortial Courses

Eligibility to enroll in consortial courses (CC) online through the Westminster College/CIC partnership, requires that students must:

- Have earned at least 12 Westminster credits at the time of enrollment in a consortial course
- Be financially cleared at Westminster College in the academic term in which

Residential students who are in good academic standing may enroll in courses offered through the Westminster Online program only with the prior approval of the Provost and Chief Academic Officer. Online students who are in good academic standing may enroll in courses offered to residential students only with the prior approval of the Provost and Chief Academic Officer. Summer and Winter session courses may include online and residential students.

### Study Abroad and Off-Campus Programs

Students enrolled in affiliated or exchange programs in another country will receive the grade of "CR" (Credit) for all courses passed at the host institution. The titles of the courses, the

grade of "CR", and the credit hours will be listed on the student's transcript. A notation will be included after the semester totals to indicate that the student was enrolled in a Westminster affiliated off-campus program along with the name and location of the institution at which the courses were completed. The grade of "CR" will not affect the student's grade point average (GPA), and only grades of "CR" will be recorded on the Westminster transcript. A notation that the student was enrolled in an affiliated off-campus program will be recorded on the Westminster College transcript for those students who do not receive credit while studying abroad on an affiliated off-campus program.

For students interested in participating in the Chicago Urban Studies Program and the Washington Semester Program, grades and credit hours will be treated as follows: all credit hours earned in the above U.S. programs will transfer directly to Westminster College. Grades earned in the courses will be figured into the student's GPA at Westminster. Students may elect to take one course Credit D-F subject to the policy stated in the college catalog.

### International Transcript Policy

Westminster College will consider transfer credit so long as it is presented on an official transcript from an accredited college or university with the grade of "C-" or better. The transcript may be delivered in person from the student, if it is presented in a sealed envelope with the seal signed by the granting institution. Keep in mind that photocopies and unofficial copies may be used for advising purposes only. If a student submits an original International Baccalaureate (IB) diploma, the Registrar's Office will photocopy it, note that it has been copied from the original, and return the original to the students. The same policy applies to domestic as well as international students. For international students who may be unable to produce an official transcript, advisors supported by the US Department of State may assist with this process. Education Advising Information Centers around the world, together with additional information, can be found [online](#). Students should contact the Director of International Student Services for more information regarding international transcripts.

International students should be encouraged to bring with them to campus several individually sealed envelopes of transcripts from institutions attended in their home country. Official transcripts may be required for scholarships, internships, or other purposes and having them in their possession will avoid potential problems or delays in the future. Please note that official transcripts submitted to the Registrar's Office for transfer evaluation become property of Westminster College and will not be returned to the student.

### Types of Courses

The College recognizes three categories of courses: 1) traditional – while some content and assignments may be managed through online methods, the course meets in a physical classroom during regularly scheduled times; 2) blended – from 25% up to 74% of the course instruction is delivered in virtual format, with classroom time reduced accordingly; 3) distance – 75% or more of content delivered in a virtual format. Distance education uses one or more of the technologies listed below to deliver instruction to students who

are separated from the instructor and to support regular and substantive interaction between the students and the instructor, either synchronously or asynchronously. The technologies may include:

1. The Internet.
2. One-way and two-way transmissions through open broadcast, closed circuit, cable microwave, broadband lines, fiber optics, satellite or wireless communications devices.
3. Audio conferencing.
4. Video cassettes, DVDs, and CD-ROMs, if the cassettes, DVDs or CD-ROMs are used in a course in conjunction with any of the technologies listed above.

Like distance courses, blended courses are designated as such in the *Schedule of Classes*.

#### **Missouri Reverse Transfer Program**

The Missouri Reverse Transfer (MRT) program is a statewide initiative which allows qualifying transfer students to earn an associate's degree from a community college after they have matriculated to Westminster College. Students who meet certain requirements and are transferring to Westminster from a Missouri community college may opt into the program which will allow them to transfer Westminster courses credit back to the two-year college to complete the final requirements as set forth by the two-year college. For more information regarding MRT, please contact the Registrar's Office.



# FERPA

## *Westminster College institutional policy on the Family Educational Rights and Privacy Act of 1974*

The Family Educational Rights and Privacy Act of 1974 (FERPA) governs the release of educational records maintained by an educational institution and access to the records in order for the student to be afforded certain rights to privacy. This law applies to all elementary, secondary, and postsecondary institutions that receive federal funds under any program administered by the U.S. Secretary of Education. Westminster College complies fully with the Family Educational Rights and Privacy Act of 1974 as noted in the policy information below:

Annual Notification: Students will be notified of their FERPA rights via [Westminster Website](#) or by requesting a copy of the policy available in the Registrar's Office at Westminster College.

Procedure to Inspect Education Records: Students may inspect and review their education records upon request to the appropriate record custodian. Students should submit to the record custodian or appropriate staff person a written request, which identifies as precisely as possible the record or records he/she/they wishes to inspect.

The record custodian or appropriate staff person will make the needed arrangement for access as promptly as possible and notify the student of the time and place where the records may be inspected. Access must be given in 45 days or less from the receipt of the request. Once students have requested access to their education records, such students' records cannot be destroyed until inspection and review have been provided. When a record contains information about more than one student, the student may inspect and review only the records, which relate to him.

Right to Refuse Access: Westminster College reserves the right to refuse to permit a student to inspect the following records:

1. The financial statement of the student's parents;
2. Letters and statements of recommendation for which the student has waived his/her/their right of access, or which were placed in file before January 1, 1975;

3. Records which are excluded from the FERPA definition of education records.

Refusal to Provide Copies: Westminster College reserves the right to deny transcripts or copies of records not required to be made available by the FERPA in any of the following situations:

1. The student has an unpaid financial obligation to the College;
2. There is an unresolved disciplinary action against the student.

Record of Requests for Disclosure: Westminster College will maintain a record of all requests for and/or disclosure of information from a student's education records. The record will indicate the date of the request, the name of the party making the request, and the legitimate interests these parties had in requesting or obtaining the information.

Fees for Copies of Records: The fee for copies will be \$2.00 per page. The fee for an official transcript will be \$12.00 per transcript.

Correction of Education Records: After inspecting his/her/their educational records, a student has the right to request the amendment of such records. He/she/they should submit such a request in writing to the school official in charge of the records. If the request is denied, the student has the right to a hearing as provided in Title 34 of the Code of Federal Regulations. The hearing will be conducted by the Professional Standards Committee, a committee of elected faculty members. If the committee decides against the student, the student has the right to submit a written comment on the disputed material in his/her/their educational record. The comment will be maintained as a permanent and integral part of his/her/their record and will be disclosed to any party to whom the student's educational record is disclosed. The student also has the right to file a complaint with the Family Policy Compliance Office, U.S. Department of Education, 600 Independence Avenue S.W., Washington, D.C., 20202-4608, according to the procedures

described in Title 34 of the Code of Federal Regulations, Subtitle A, Parts 99.64 and 99.65.

Location of Educational Records: Educational records at Westminster are located as follows:

1. academic records are kept by the Dean of Faculty and the Registrar in Westminster Hall; records on student life including records on student housing, organizations, and disciplinary matters are kept by the Dean of Student Life in Hunter Activity Center;
2. health records are kept by the Executive Director of the Wellness Center of the Wellness Center in Westminster Hall;
3. records on student financial affairs are kept by the Vice President for Business & Finance in Westminster Hall and by the Director of Financial Planning in the Admissions/Financial Planning offices in Champ;
4. career service records are kept by the Career Development Counselor and Coordinator in Reeves Library, Student Success Center;
5. internship records are kept by the internship coordinator in Reeves Library, Student Success Center; and
6. athletic records are kept by the Director of Athletics located in the Westminster Gymnasium.

Disclosure of Education Records: Westminster College will disclose information from a student's education records only with the written consent of the student, except:

1. To school officials who have a legitimate educational interest in the records;
2. To officials of another school, upon request, in which a student seeks or intends to enroll;
3. To certain official of the U.S. Department of Education, the Comptroller, General, and state and local educational authorities, in connection with certain state and federally support education programs;
4. In connection with a student's request for or receipt of financial aid, as necessary to determine the eligibility, amount or conditions of the financial aid, or to enforce the terms and conditions of the aid;
5. If required by a state law requiring disclosure that was adopted before November 19, 1974;
6. To organizations conducting certain studies for or on behalf of the college;
7. To accrediting organizations to carry out their functions;
8. To parents of a student who provide evidence that the parents declared the student as a dependent on their most recent Federal Income Tax form;
9. To comply with a judicial order or a lawfully issued subpoena;
10. To appropriate parties in a health or safety emergency;
11. To an alleged victim of any crime of violence or the results of any institutional disciplinary proceeding against the alleged perpetrator of that crime with respect to that crime.

Parental Access to Children's Education Records: Records may be released to parents under the following circumstances:

1. through written consent of the student,
2. in compliance with a subpoena, or
3. by submission of evidence that the parents declare the student as a dependent on their most recent Federal Income Tax Form.

Grade Reporting: Westminster faculty report midterm and final grades for all enrolled students to the Registrar's Office.

**Westminster College does not mail grade reports.** By entering their confidential username and password, students may access their midterm and final grades through the campus computer network. A printable version of the grade report is also available to students on MyWC for hard copy access. Letters regarding academic ineligibility and academic probation will be sent to the student at their legal, home, permanent address and by email. International Students should expect any correspondence to be sent to their local address in the United States rather than their legal, home, permanent/campus address, and email.

Definitions: At Westminster the phrase "other school officials" refers to any person

1. employed by the College in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff);
2. company with whom the College has contracted, e.g. attorney, auditor, collections;
3. a person serving on the Board of Trustees; or
4. a student serving on an official committee, such as disciplinary or grievance committee, or assisting another school official in performing his/her/their tasks.

A school official has a legitimate educational interest if the official is:

1. maintaining, monitoring, or evaluating the record-keeping system itself;
2. implementation, monitoring, or evaluating the academic curriculum;
3. counseling, advising, or otherwise assisting a particular student; or
4. evaluating particular students with respect to financial or academic awards, honors, or achievements.
5. A student is defined as any person who attends or has attended Westminster College. An educational record is any record (in handwriting, print, tapes, film, or other medium) maintained by Westminster College or an agent of Westminster College, which is directly related to a student.

E-Mail or Other Electronic Communication: FERPA does not provide information on, or prohibit the use of e-mail for non-directory information. Therefore, it is the policy of Westminster College to authorize e-mail correspondence containing non-directory information **only if the e-mail is being sent to and received from the official Westminster College e-mail account created for the student or faculty/staff** (the college e-mail address must end in @wcmo.edu). Due to the sensitive nature of non-directory information and the likelihood of inadvertent disclosure to someone other than the intended recipient, e-mail containing non-directory information is not a safe means of communication and should be used only if office hours are not available or the student is unable to meet with the faculty/staff in person.

If an e-mail is sent including non-directory information, the sender of the e-mail should take adequate precautions to make certain that the intended recipient (student or faculty/staff with a legitimate educational interest) is actually the person receiving the e-mail. When replying to an e-mail containing non-directory information, faculty/staff/students should examine the e-mail address of the recipient to make certain that it is not being copied to other recipients who do not have a legitimate educational interest. E-mails should never include personally identifiable

information such as Social Security Number, Student Number, etc.

**A student has the right to object to e-mail correspondence including non-directory information and may do so by presenting his/her/their objection in writing to the Registrar's Office before the end of the first fifteen days of classes.**

Directory Information: Certain information pertaining to students is defined as "directory information," which is information that may be freely made public and that is normally published in such things as student directories, yearbooks, school announcements, etc. Westminster College may disclose any of the following items without prior written consent unless written notification is received from the student.

Westminster directory information includes: a student's name, address, fraternity or sorority affiliation, telephone/cell number, E-mail address, date and place of birth, parents' names and address(es), major field of study, minor field of study, picture, class, academic advisor, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance at Westminster College, veteran status, full-time or part-time enrollment status, honors, degrees and awards received, the most recent previous educational institution attended, and high school attended. A student has the right to object to the publication of this information and may do so by presenting his objection in writing to the Registrar before the end of the first fifteen days of classes.

*A copy of the Department of Education's Code of Federal Regulations, Part 99 - Family Educational Rights and Privacy is available in the Registrar's Office.*

# HONORS AND AWARDS

## Alpha Chi:

The scholastic honor society of Alpha Chi was formed in 1922. Alpha Chi is a national honor society with over 400 chapters in 39 states. The Missouri Delta Chapter of Alpha Chi was established at Westminster in the fall of 1975. Westminster's local honor society, Zeta Tau Delta, which had existed since May, 1929, was merged into the new national honor society of Alpha Chi. To attain membership in this society, a student must have completed at least 57 hours and be in the top 5 percent of the junior class or the top 10 percent of the senior class according to grade point average rank.

## Dean's List:

The names of full-time students who complete 12 credit hours and achieve a semester grade point average of 3.60 or better are placed on the Dean's List and an appropriate notation is added to their transcript.

## Departmental Honors:

Students may earn departmental honors in Biology, Biochemistry (Biological Emphasis), Economics, English, French, Global & Transnational Studies, History, Psychology, and Spanish.

## Graduation Honors:

Honors in graduation are awarded to students who have maintained high scholastic standards. To qualify for graduation honors, students must have been in residence at least four semesters. Those who have a cumulative grade point average of at least 3.65 will receive their degrees cum laude. If the cumulative grade point average is 3.75 or higher, the distinction will be magna cum laude and if it is 3.90 or above, the distinction will be summa cum laude. Potential honors for all students **based on their cumulative grade point average AFTER THE FALL SEMESTER or 3-WEEK WINTER TERM** are acknowledged at the commencement ceremony.

## Special Awards:

- The Cameron and Jesse Day Prize in Biology for a senior biology major.
- The Margaret McDonald Jaeger Psychology Award for a senior psychology major planning graduate education.
- The Epperson Phi Kappa Psi Scholarship.
- The Miranti Memorial Award for Classical Studies.
- The Bleifuss Award in English.
- The Harmon L Remmel III Prize for the Outstanding Undergraduate Thesis in History.



# DEGREE REQUIREMENTS FOR STUDENTS ENTERING WESTMINSTER BEFORE FALL 2019

In order to receive a baccalaureate degree, students must:

1. Complete all the General Education and Major degree requirements published in the Catalog for the academic year of the student's first degree-seeking enrollment at Westminster College, and
2. Meet all financial obligations.

Students who complete graduation requirements after participating in a graduation ceremony may elect to meet the degree requirements in effect their last year in residence. The Dean of Faculty has the authority to waive or allow substitutions for college general education requirements.

A student who fails to complete all the requirements for a Westminster degree within eight calendar years of his/her/their enrollment as a first-time student will be required to meet degree and major requirements in effect one of the four academic years immediately preceding graduation. The student selects which year within the four-year period that will affect his/her/their requirements, but both the major requirements and the general degree requirements must be those in effect for one and the same academic year.

Westminster College will waive the tuition and fees for any remaining course work necessary to complete requirements for a degree for any Westminster student who fulfills the following criteria but fails to complete the requirements for graduation after eight consecutive semesters as a full-time student. The student must enroll in and earn credit for the courses approved by his/her/their advisor(s), and maintain the requisite minimum grades in courses in the major subject and at least a 2.00 cumulative grade point average overall. In addition to the above criteria, to be eligible for this guarantee of graduation, the student must: (1) complete at least two of the required introductory courses in his/her/their major by the end of the sophomore year, (2) formally declare his/her/their major before the end of the sophomore year, (3) continue in the major initially declared, and (4) earn an average of 15 to 16 credit hours per semester. Education majors are exempt from this guarantee because of the number of credit hours necessary to satisfy state teacher certification requirements. Additional information about the graduation guarantee is available from the Office of the Registrar.

**No more than two credit hours of developmental courses may be counted toward the minimum hours required for graduation.** Therefore, students who take the CLS 090 classes

and MAT 090 will need to complete additional hours to achieve the minimum required to graduate. The number of additional hours will depend on where the student places into the CLS sequence and the student's math placement, but these additional hours could total to as many as 6 credit hours.

The student's advisor, staff in the Office of the Registrar and the Vice President and Dean of Faculty will assist students in interpreting degree requirements and in determining which requirements have or have not been met, but ultimate responsibility for being informed about and satisfying graduation requirements rests with the individual student.

Reasonable precautions are taken to ensure that students' academic records are correct and complete and that faculty advisors know the various degree requirements and are kept informed about their advisees' status. Nevertheless, it is strongly recommended that students periodically review their transcripts and degree requirement worksheet. All students must review their academic records with the Office of the Registrar during the spring semester of their junior year to be sure they understand correctly where they stand with respect to meeting graduation requirements. Students who wish to participate in commencement exercises must submit an application to the Registrar's Office no later than the first week of classes in the fall semester preceding the May graduation of their choosing.

## Requirements for the Bachelor of Arts Degree for Students Entering Before Fall 2019:

1. Earn 122 semester hours of course credit, with a minimum grade point average of 2.00 in the hours presented for graduation. No more than 2 hours of credit in developmental courses, 2 hours of credit in physical education activity courses, 12 hours of credit in internships, or 18 hours of credit in military science courses may be counted toward the minimum 122 credit hours required for graduation.
2. (a) Earn credit in ENG 103, a three-hour course in composition.
  - a. (b) Earn credit in two courses designated as Writing Intensive (WI) in the Schedule of Classes published each semester. The first course must be taken by the end of the sophomore year. At least one of the courses must be an upper-level course. Students transferring credit in composition must take three WI courses, with at least one upper-level course.

3. Earn credit in one physical education activity course. Complete at least 48 credit hours as a full-time Westminster student, including the two semesters immediately prior to graduation. If necessary to meet requirements for a degree, a student may take up to 9 credit hours of approved courses at another institution after the last two semesters in residence. Any exception to this requirement must have the approval of the Vice President and Dean of Faculty.
4. Be certified by a department as having met the department's requirements for a major. No more than 40 credit hours in any one major subject may be counted toward the 122 credit hours required for graduation.
5. Complete one 3-hour, upper-level course that is housed in a division other than that of the student's major department. A student with more than one major will have fulfilled the requirement if two majors are housed in different academic divisions. A student with an interdisciplinary major will have fulfilled the requirement if he/she/they has successfully completed upper-level coursework for that major from an academic division other than the one in which the major is housed. A student with an interdisciplinary self-designed major will have fulfilled the requirement if he/she/they has successfully completed at least one upper-level course in two different academic divisions.
6. All students must complete the College's "New Foundations" general education program. (See detailed requirements below.) This distinctive three-tiered curriculum provides the initial learning experience for all students, regardless of intended major or career objectives. New Foundations consists of seventeen courses chosen to enhance understanding of one's self and the world. Through this curriculum students develop dispositions and capacities that promote and enable lifelong learning as well as effective participation in society.

The **New Foundations Program** reflects Westminster's commitment to liberal learning in the arts and sciences. This means that Westminster is dedicated to educating a student broadly by requiring courses that explore the scientific, historical, cultural, social, ethical, and aesthetic contexts in which we live. By study of these contexts, students sharpen intellectual capacities, enhancing their abilities to think critically, to reflect imaginatively, to compare and integrate, to discern values, and to communicate clearly and persuasively.

Further, through this study, students gain awareness of and respect for the world around us, its problems and potential; the individuals that make up that world and their cultural and personal distinctions; the nature of knowledge and learning and both their promise and limitations; and finally, ourselves, our intellectual, creative, and spiritual capabilities. Thus, the impact of general education at Westminster is to liberate, to free the student from narrow and parochial thought, and to enable the student to grow, change, and respond effectively to new and unforeseen circumstances.

The New Foundations Program seeks to foster:

- o skills in critical thinking, communication, quantitative reasoning and the use of computer technology
- o understanding of theories and methods of science
- o historical perspective
- o awareness of fundamental questions and values

- o sensitivity to artistic expression and critical appreciation
- o knowledge of human behavior and social institutions
- o appreciation of cultural diversity and global interdependence

Curricular requirements focusing on these goals ensure that students develop intellectual capacities and acquire the educational breadth necessary to pursue major and minor programs of their choice. In those programs, the student will have additional experiences that enhance their abilities relative to several of these educational goals.

Though the New Foundations Program consists of courses from many departments, these courses share many characteristics. They introduce key concepts and terminology; persons, works, events, key issues and ideas. They teach students to think critically about texts they read, arguments they hear, and situations they observe. They use techniques that involve a significant level of participation on the part of students and that require them to take direct responsibility for their learning and they demonstrate to students how to connect knowledge gained inside the classroom to the world outside.

Courses in the Westminster New Foundations Program are organized into three tiers: (1) Foundational Tier; (2) Contexts Tier; and (3) Integrative Tier. The tiered structure imposes a developmental order on the course work of students that encourages maximum intellectual growth at each stage. Thus, in the foundational tier, students begin by strengthening intellectual capacities. These capacities are then utilized in the contexts tier to gain a deeper appreciation of disciplinary knowledge. With broad study of the disciplines in the second tier, students gain multiple perspectives through which they can assimilate and evaluate information. This breadth provides a basis for the third-tier integrative course in which a multi-disciplinary analysis of a significant practical or theoretical issue is undertaken.

With the exception of PE activity courses and the Leader Within course, all courses in the General Education Program earn at least three hours of academic credit. For the typical student, it is expected that the Foundational Tier will be completed in the freshmen year, the Contexts Tier by the close of the sophomore year, and the Integrative Tier by the end of the junior year. By completing the General Education Program on this timetable, students will have developed the intellectual capacities and breadth of knowledge needed for success in major and minor programs of study.

#### **Tier I: The Foundational Tier**

At the outset, students must acquire and sharpen the basic intellectual skills that provide access to the content of their education. These basic skills include critical thinking, communication, numerical literacy, and competence with technology. Critical thinking takes students beyond the monitoring of knowledge claims; it allows students to identify what is basic, to assess, and to reassemble thoughts and feelings in a more coherent manner. The development of skills in communication, particularly reading and listening, embellishes the perception of knowledge in any discipline, and the development of writing and speaking skills deepens the comprehension of disciplinary knowledge. Mastery of quantitative skills aids students in their ability to gather and use

data to make empirical decisions. Acquisition of technical skills, especially those needed for using word processing, presentation, and statistical software and for accessing resources on the Internet, enables students to gather, analyze, and express ideas effectively and persuasively. Course work here provides the core of the Westminster General Education Program, as it is required of all students. Students are required to complete the following courses:

- o ENG 103 Academic Writing (3 hrs.): An introduction to writing at the college level, based on the “process approach”; accordingly, reading, thinking, and writing are treated as integrated skills, and revision is viewed as an integral part of the writing process. In addition, word processing and use of electronic media are essential skills taught in the course.
- o MAT 114 Elementary Statistics (3 hrs.) or MAT 124 Calculus I (5 hrs.): An exploration of numerical data for the purpose of developing quantitative and problem-solving skills, as well as expertise with worksheets and other computational software.
- o WSM 101, 102, or 103 Westminster Seminar (1-3 hrs.): The Westminster Seminar investigates ways of knowing, showing students at the basic level how liberally-educated minds go about organizing the inquiries we conduct in various disciplines. Using active learning strategies, the course emphasizes processes, tools, and systems used in scholarly inquiry. The course promotes listening, speaking, and critical thinking skills and is delivered in small tutorial sections designed to stimulate intellectual questioning and establish frequent exchanges between students and Westminster faculty.
- o LST 101 The Leader Within (1 hr.): This course introduces all first-year students to the College’s challenge of “developing leaders in a global community” by first becoming engaged, responsible members of the college learning community. Students will explore the meaning of “personal leadership” and ways in which they will make meaningful contributions to our campus and in the world. Additionally, they will develop a plan for academic and co-curricular success, become acquainted with Westminster’s history, values, mission, and campus support services, and begin appreciating the value of a liberal arts education. Topics will engage students in discussions regarding life decisions and first-year transitional issues, including the areas of relationship-building, cross-cultural understanding, ethical leadership, wellness, and academic practices.
- o FLG101 (4 hrs.): An introduction to a foreign language for the purpose of gaining insight into diverse languages and cultures.

## Tier II: The Contexts Tier

In this second tier of the General Education Program, the emphasis shifts from developing capacities to exploring the fundamental ideas, questions, and methods of inquiry that mark several academic disciplines. Course work here is intended to ensure adequate educational breadth. However, the aim is not simply the accumulation of knowledge; rather, courses also relate how particular disciplines formulate and evaluate their beliefs.

The various modes of inquiry used by the disciplines yield contexts for understanding ourselves and our world. The six contexts that comprise Tier II are identified below along with the number of courses needed to complete the context. Specific courses approved to fulfill each context requirement are listed in the Schedule of Classes each semester. No course shall satisfy

more than one context. Students must complete the following requirements in the Contexts Tier:

- o Scientific Inquiry Context: Two courses required; at least one course will include both a lecture and a laboratory.
- o Historical Perspectives Context: Two courses required.
- o Fundamental Questions and Values Context: One course required with meaningful study of values and fundamental questions of existence.
- o Artistic Expression and Critical Appreciation Context: Two courses required, at least one of which must be a course in literature.
- o Human Behavior and Social Institutions Context: Three courses required with courses in three disciplines.
- o Cultural Diversity and Global Interdependence Context: Two courses are required to fulfill this context. First, a second course of student in a foreign language, an approved study abroad experience, or a course focusing on a culture in which the language studies is spoken. In addition, students must complete a course with a significant non-Western (e.g., African, Asian, Latin American, or indigenous)

## Tier III: Integrative Tier

While the Contexts Tier allows students to explore the unique content and methodologies of various academic disciplines, there are subsequent needs to integrate disciplinary knowledge and to explore its relevance to contemporary issues and problems. Therefore, the General Education program requires a single course to be completed in the junior or senior year that draws together students from various disciplines for the sake of sharing their perspectives and discovering how an integrative approach can enrich understanding and facilitate solutions. Several courses will be offered annually. These courses require students to address contemporary issues and problems using a higher level of integrative and analytic skills than in previous general education courses. Further, integrative tier courses require students to share insights and conclusions about the issues at hand in research papers, essays, projects, and/or presentations.

Students must complete one integrative course (3 hours) approved by the Curriculum Committee. Students who successfully complete majors in any approved program of interdisciplinary study (approved programs include majors in Business Communications, Environmental Studies, Leadership, One Health, Security Studies, and Transnational Studies) which is not housed in a single department, or who have completed more than one major, will have automatically satisfied the Tier III requirement if one of the courses successfully completed to satisfy major requirements is an approved Tier III course. A student taking an integrative course taught by a member of his/her/their major department may apply the course to satisfy 1) major requirements, or 2) the integrative requirement of the new Foundations General Education program, but not both.

Following is a summary list of New Foundations General Education Requirements:

- o Earn the following credits in the Foundational Tier courses (students entering Westminster are expected to enroll in these courses or, in the case of MAT 114 or MAT124, an appropriate prerequisite, in their first semester):
- o ENG 103 Academic Writing 3 hrs.
- o MAT 114 Elementary Statistics or MAT 124 Calculus I 3-5 hrs.

- WSM 101, 102, or 103 Westminster Seminar 1-3 hrs.
  - LST 101 The Leader Within 1 hr.
  - FLG 101 initial semester of foreign language 4 hrs.
- 11-16 hrs.**

Earn the following credits in the Context Tier courses:

- Scientific Inquiry 7-8 hrs.
- Historical Perspectives 6 hrs.
- Fundamental Questions and Values 3 hrs.

- Artistic Expression and Critical Appreciation 6 hrs.
  - Human Behavior and Social Institutions 9 hrs.
  - Cultural Diversity and Global Interdependence 6-7 hrs.
- 37-39 hrs.**
- Successfully complete an Integrative Tier III course 3 hrs.
- Total New Foundation Credit Hour Requirements: **51-58 hrs.**



# DEGREE REQUIREMENTS FOR STUDENTS ENTERING WESTMINSTER FALL 2019 AND THEREAFTER

In order to receive a baccalaureate degree, students must:

1. Complete all the General Education and Major degree requirements published in the Catalog for the academic year of the student's first degree-seeking enrollment at Westminster College, and
2. Meet all financial obligations.

Students who complete graduation requirements after participating in a graduation ceremony may elect to meet the degree requirements in effect their last year in residence. The Dean of Faculty has the authority to waive or allow substitutions for college general education requirements.

A student who fails to complete all the requirements for a Westminster degree within eight calendar years of his/her/their enrollment as a first-time student will be required to meet degree and major requirements in effect one of the four academic years immediately preceding graduation. The student selects which year within the four-year period that will affect his/her/their requirements, but both the major requirements and the general degree requirements must be those in effect for one and the same academic year.

Westminster College will waive the tuition and fees for any remaining course work necessary to complete requirements for a degree for any Westminster student who fulfills the following criteria but fails to complete the requirements for graduation after eight consecutive semesters as a full-time student. The student must enroll in and earn credit for the courses approved by their advisor(s), and maintain the requisite minimum grades in courses in the major subject and at least a 2.00 cumulative grade point average overall. In addition to the above criteria, to be eligible for this guarantee of graduation, the student must: (1) complete at least two of the required introductory courses in his/her/their major by the end of the sophomore year, (2) formally declare his/her/their major before the end of the sophomore year, (3) continue in the major initially declared, and (4) earn an average of 15 to 16 credit hours per semester.

Education majors are exempt from this guarantee because of the number of credit hours necessary to satisfy state teacher certification requirements. Additional information about the graduation guarantee is available from the Office of the Registrar.

**No more than two credit hours of developmental courses may be counted toward the minimum hours required for graduation.** Therefore, students who take the CLS 090 classes and MAT 090 will need to complete additional hours to achieve the minimum required to graduate. The number of additional hours will depend on where the student places into the CLS sequence and the student's math placement, but these additional hours could total to as many as 6 credit hours.

The student's advisor, staff in the Office of the Registrar and the Vice President and Dean of Faculty will assist students in interpreting degree requirements and in determining which requirements have or have not been met, but ultimate responsibility for being informed about and satisfying graduation requirements rests with the individual student.

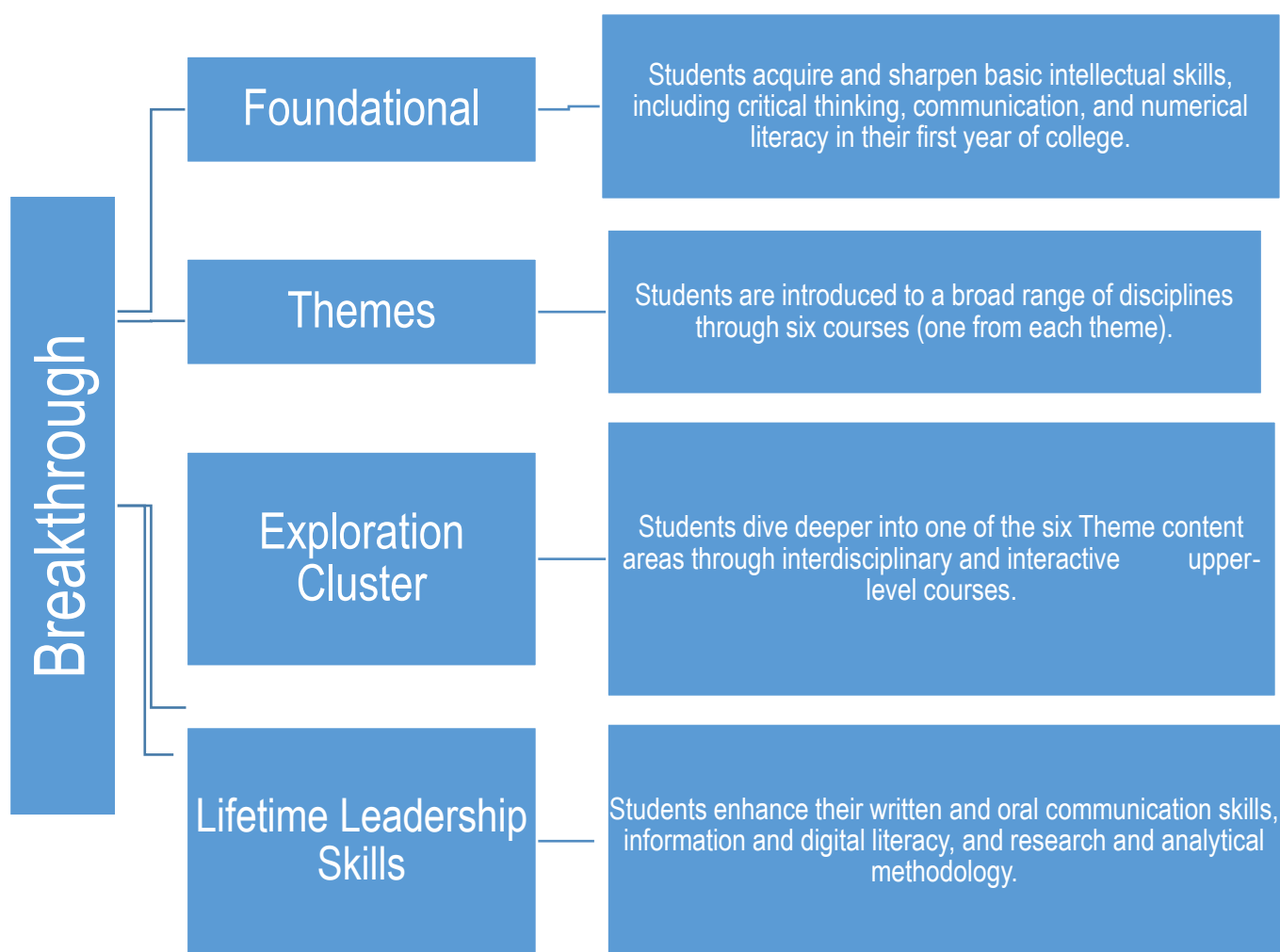
Reasonable precautions are taken to ensure that students' academic records are correct and complete and that faculty and professional advisors know the various degree requirements and are kept informed about their advisees' status. Nevertheless, it is strongly recommended that students periodically review their transcripts and check their progress toward completing a degree. All students must review their academic records with the Office of the Registrar during the spring semester of their junior year to be sure they understand correctly where they stand with respect to meeting graduation requirements.

Students who wish to participate in commencement exercises must submit an application to the Registrar's Office no later than the first week of classes in the fall semester preceding the May graduation of their choosing.

## Requirements for the Bachelor of Arts Degree for Students Entering Fall 2019 and after:

1. Earn 122 semester hours of course credit, with a minimum grade point average of 2.00 in the hours presented for graduation. No more than 2 hours of credit in developmental courses, 2 hours of credit in physical education activity courses, 12 hours of credit in internships, or 18 hours of credit in military science courses may be counted toward the minimum 122 credit hours required for graduation.
2. (a) Earn credit in ENG 103, a three-hour course in composition.

- a. (b) Earn credit in two courses designated as Writing Intensive (WI) in the Schedule of Classes published each semester. The first course must be taken by the end of the sophomore year. At least one of the courses must be an upper-level course. Students transferring credit in composition must take three WI courses, with at least one upper-level course.
3. Earn credit in one Physical Education activity course and LST 101: The Leader Within.
4. Complete at least 48 credit hours as a full-time Westminster student, including the two semesters immediately prior to graduation. If necessary to meet requirements for a degree, a student may take up to 9 credit hours of approved courses at another institution after the last two semesters in residence. Any exception to this requirement must have the approval of the Vice President and Dean of Faculty.
5. Be certified by a department as having met the department's requirements for a major. No more than 40 credit hours in any one major subject may be counted toward the 122 credit hours required for graduation.
6. Complete two 3-hour, upper-level courses (with different prefixes) that are outside the student's major requirements. This applies to interdisciplinary majors as well as traditional majors. A student with more than one major can apply the upper-level cluster courses to one of their majors. The upper-level cluster courses can be applied to a student's minor.
7. All students must complete the College's *Breakthrough* general education program. (See detailed requirements below.)



The Breakthrough Curriculum: Edwina Sandys' sculpture, Breakthrough, stands prominently at the center of Westminster's campus. The piece consists of two figures, one male and one female, cut out of the largest segment of the Berlin Wall in North America. As a piece of art, Breakthrough, celebrates the liberation of Eastern Europe in 1989, reminding the viewer of the

dramatic end of the Cold War, which has been so eloquently introduced by Sandys' grandfather, Winston Churchill, in 1946. "Breakthrough" symbolizes societal and cultural liberation, but by focusing on the anonymous figures, also suggests the eminence of individual transformation. Westminster College's new Breakthrough curriculum aspires to provide an education

that is equally transformative for each student and that will also prepare our students to take up the cause of individual freedom. Our students will become leaders in a global society, capable of reconciling local and global issues.

Consisting of thirteen to fifteen classes, the Breakthrough curriculum focuses on education with a purpose. By exposing students to a series of foundational courses, Breakthrough will help them better understand the world while also developing their critical thinking, communication, technological, and quantitative skills. These courses, taken in the first year of study, will help cultivate necessary skills for further academic study.

Breakthrough maintains the breadth of study that is the heart of the liberal arts education but contextualizes it in an innovative way. Instead of viewing core courses as simply fulfilling academic categories such as Humanities, Social Sciences, and Natural Sciences, students will internalize the role of the core courses in addressing the key issues that they will face for the rest of their professional lives. By locating the core courses in six themes—A esthetics, Human Development, Global Perspectives, Values and Diversity, Institutions and Society, and Natural

Science Inquiry – the new curriculum stresses the connection between knowledge and methodology that is so essential for successful careers in today's world. These categories expose students to fundamental questions about creativity, psychology and the brain, shared global responsibilities, ethical communities, the structures of modern life, and the potential of science.

General education should also provide some depth. Rather than simply require students to take random upper-level courses, Breakthrough has the student select two upper-level courses from an interdisciplinary cluster that is connected to one of the themes. The students pursue a set of questions rather than checking off requirements and, in effect, earn a mini-minor of three courses. The concentration is not in a single discipline like a major or minor might be, but is explicitly interdisciplinary, encouraging students to apply different methodologies to finding answers. Students will take one course in each of the six themes and two courses in one of the corresponding Exploration Clusters.

Foundational Courses
**Students will aim to take Foundational courses during their Freshmen year
ENG 103: Academic Writing
WSM 101 or WSM 102: Westminster Seminar
FLG: Foreign Language
FLG: Second Language Proficiency Course
MAT 110: Quantitative Reasoning for Mathematical Problem Solving or MAT 114: Elementary Statistics or MAT 122: Business Calculus or MAT 124: Calculus



Themes	Corresponding Exploration Cluster
**Students will take one course in each of the six Themes and two courses in one of the corresponding Exploration Clusters	Successfully complete two 3-hour, upper-level courses-approved by the Exploration requirement in Breakthrough. Students are required to select one of the six Exploration Clusters and successfully complete two approved upper-level courses within that Cluster. For students who have declared a single major, Exploration courses cannot be used to satisfy major requirements. The Exploration courses can have the same department code of the major and can be contained in the same major department as long as they <b>are not</b> used to complete major requirements. One course <b>cannot</b> be used to fulfill both the major requirement and the Exploration requirement. However, students who have declared more than one major can apply the upper-level Exploration Cluster courses to satisfy requirements for one of their majors. Approved Exploration Cluster courses can be applied toward completion of <del>to</del> a student's minor(s) or certificate(s).
<b><u>Aesthetics:</u></b> Focuses on the importance and impact of human creativity either through the study of artistic expression or participating directly in the creative process. One course required.	<b><u>Power of Creativity:</u></b> Promotes student appreciation of the many forms of art either through studying the existing canon of art or by having a hands-on experience that immerses students directly in the creative process.
<b><u>Values and Diversity:</u></b> Addresses the role diverse values play with respect to how individuals and groups interact with one another in society and across social boundaries. One course required.	<b><u>Creating Inclusiveness:</u></b> Study of diverse cultures within the United States with focus on identifying, examining, and negotiating, the variety of perspectives that shape our interdependent global society.

<b>Global Perspectives:</b> Examines either the relationship of local society to the global, the nature of non-American cultures, and/or the background for understanding contemporary global issues. One course required.	<b>Transnational Issues:</b> Examines the effect of global issues on individuals and communities and identifies solutions.
<b>Human Development:</b> Addresses the interaction between human biology and society from a variety of contexts, such as functional, cognitive, emotional, philosophical, and social, and how these contexts relate to the human experience. One course required.	<b>Human Experience:</b> Explores both individual and social development in how we think, what we know, and how we grow as individuals.
<b>Institutions and Society:</b> Explores the political, economic, and local systems that shape our lives including social institutions such as families, communities, governments, and economies. One course required.	<b>Structure in Society:</b> Critically examines structures of society (political institutions, kinship, education, legal systems, and social and cultural norms) and their impact on our identity.
<b>Natural Science Inquiry:</b> Introduces students to the key theories of a science and to its methods of inquiry. One course required.	<b>STEM and Society:</b> Explores STEM's role in society and shows how science and empirical research work.

*Breakthrough* is dedicated to the development of Lifetime Leadership Skills. These practical skills are necessary in the rapidly evolving workplace facing our graduates and, in fact, are in high demand among employers. The ability to communicate clearly and directly either orally or in written form is not only part of our general education, it is stressed in nearly every class. Westminster makes sure that students graduate with appropriate information and digital literacy. After four years, our students will also have to show that they

understand the link between research and analysis that underpins an evidence-based society such as ours. Students will take a total of five to six courses that address a particular Lifetime Leadership competency.

Lifetime Leadership Skills
**Students will take a total of five to six courses that address a particular Lifetime Leadership competency
<b>Written and Oral Communication:</b> Communication includes the ability to write, speak, read, and listen effectively. Development of these skills is essential for preparing students to be confident communicators with the capacity to convey, engage, apply, and reflect on knowledge accessed within their chosen fields. **Students will complete at least two Writing Intensive courses and one course dedicated to oral communication.
<b>Digital and Information Literacy:</b> Westminster prioritizes the development of skills in information technology, the ability to employ computer and other technologies in writing, the manipulation of data, and understanding the nature and limits of technology. **Students will complete one course dedicated to digital and/or information literacy.
<b>Inquiry and Analysis:</b> From exploring issues, objects, and works through the collection of evidence to investigating complex topics or issues in order to gain more knowledge, learning methods of inquiry and analysis further develop students' ability to think on a higher level. **Students will complete one course dedicated to inquiry and/or analysis.

The *Breakthrough* curriculum strengthens the purpose of Liberal Arts by encouraging students to think of their courses as providing practical and useful ideas and methodologies for real world problems. Westminster students will graduate with the critical thinking, communication and technological skills necessary to

succeed in a dynamic marketplace. *Breakthrough* retains the goal of transforming individual students, instilling in them a commitment to responsible and informed decision-making, and giving them the tools to make their own breakthrough.



# MAJORS & MINORS

## Majors

[Accounting](#)

[Biochemistry \(Biological Emphasis\)](#)

[Biochemistry \(Chemical Emphasis\)](#)

[Biology](#)

[Business Administration](#)

Entrepreneurship

Finance

Management

Marketing

No Concentration

[Business Communication](#)

[Chemistry](#)

[Computer Systems Analysis](#)

[Digital Media](#)

[Education](#)

[Early Childhood](#)

[Education Curriculum Studies](#)

[Elementary](#)

[Health Education K-12](#)

[Middle School](#)

[Physical Education K-12](#)

[Secondary](#)

[Spanish Education K-12](#)

[English](#)

Creative Writing

English Education

Literature

No Emphasis

[Environmental Science](#)

Environmental Biology

Environmental Chemistry

Environmental Geology

[Exercise Science](#)

[Finance](#)

[Financial Planning](#)

[French](#)

No Concentration

Translation Concentration

[General Studies](#)

[Global & Transnational Studies](#)

[Health & Wellness](#)

[History](#)

[Mathematics](#)

[Mathematical Data Science](#)

[Museum Studies](#)

[One Health](#)

[Philosophy & Religious Studies](#)

Ethics & Social Justice

Religious Literacy

[Physics](#)

[Political Science](#)

General Track

Pre-Law Track

Security Studies

[Psychology](#)

[Security Studies](#)

Cyber Security

Homeland Security

National Security

Self-Designed

[Spanish](#)

No Concentration

Translation Concentration

[Sports Management](#)

# Minors

[Accounting](#)  
[American Studies](#)  
[Biology](#)  
[Business Administration](#)  
[Chemistry](#)  
[Coaching](#)  
[Community Leadership](#)  
[Computer Systems Analysis](#)  
[Criminal Justice](#)  
[Cybersecurity](#)  
[Digital Media](#)  
[Economics](#)  
[Education](#)  
[English](#)  
[Environmental Science](#)  
[French](#)  
[Global & Transnational Studies](#)  
[History](#)  
[Journalism, Media, and Publishing](#)

[Mathematics](#)  
[Museum Studies](#)  
[Music](#)  
[Organizational Leadership](#)  
[Philosophy](#)  
[Physics](#)  
[Political Science](#)  
[Pre-Engineering](#)  
[Pre-Law](#)  
[Psychology](#)  
[Public Health](#)  
[Religious Studies](#)  
[Security Studies](#)  
[Self-Designed](#)  
[Spanish](#)  
[United States History](#)  
[Women and Gender Studies](#)



## ACCOUNTING MAJOR

Assistant Professor: N. Wilbur

Contact: Dr. Sonia Manzoor

Email: [Sonia.manzoor@wcmo.edu](mailto:Sonia.manzoor@wcmo.edu)

The John E. Simon Department of Accounting, Business Administration, Economics, and Finance offers core course work leading to a major or minor in accounting. Course offerings in the accounting major prepare graduates for careers in accounting by helping them to create a base upon which continued lifelong learning can be built. Graduates are well prepared for continuing on to graduate or professional school, or for careers in public, private or governmental accounting. Basic courses are designed for non-majors as well as majors as students from many other areas will benefit from an understanding of accounting theory and practice.

Majors must have at least a 2.00 grade point average in all required Accounting, Business Administration, Economic, and Finance courses needed to satisfy major requirements.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Accounting Course Descriptions](#)
- [Business Course Descriptions](#)
- [Economics Course Descriptions](#)
- [Finance Course Descriptions](#)
- [Math Course Descriptions](#)
- [Speech Course Descriptions](#)

If transfer credit is accepted for major requirements, indicate that acceptance by initialing the listing of the course. No more than 40 credit hours in Accounting courses may be counted toward the 122 credit hours required for graduation.

Major: ACCOUNTING

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Core Business Courses:</b>				
ACC 215	Principles of Financial Accounting	3		
ACC 216	Principles of Managerial Accounting	3		
BUS 210	Spreadsheet Application in Business	3		
BUS 220	Fundamentals of Management	3		
BUS 250	Principles of Marketing	3		
BUS 327	Operations Management	3		
or ECN 351	Price Theory and Managerial Decisions	3		
ECN 211	Principles of Macroeconomics	3		
ECN 212	Principles of Microeconomics	3		
FIN 318	Corporate Financial Management	3		
MAT 114	Elementary Statistics	3		
MAT 122	Business Calculus*	3		
or MAT 124	Calculus I	5		
SPE 101	Intro to Speech Communication	3		
or SPE 203	Interpersonal Communication	3		
or SPE 220	Public Speaking	3		
	<b>Total Core Business Hours</b>	<b>39-41 hrs</b>		
	*MAT 122 Business Calculus is highly recommended for students planning to go to graduate school.			
<b>Accounting Major Courses:</b>				
ACC 307	Government and Non-Profit Accounting	3		
ACC 308	Managerial and Cost Accounting	3		
ACC 312	Intermediate Accounting I	3		
ACC 319	Federal Income Tax I	3		
ACC 320	Accounting Information Systems	3		
ACC 322	Intermediate Accounting II	3		
ACC 418	Advanced Accounting	3		
ACC 419	Federal Income Tax II	3		
ACC 421	Auditing	3		
BUS 223	Business Law	3		
ECN 325	Money, Banking and Financial Markets	3		
	<b>Other Required Accounting Course Hours</b>	<b>33 hrs</b>		
	<b>TOTAL HOURS FOR MAJOR</b>	<b>72-74 hrs</b>		





## ACCOUNTING MINOR

Contact: Dr. Sonia Manzoor

Email: [Sonia.manzoor@wcmo.edu](mailto:Sonia.manzoor@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Accounting Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses:</b>				
ACC 215	Principles of Financial Accounting	3		
ACC 216	Principles of Managerial Accounting	3		
ACC 312	Intermediate Accounting I	3		
ACC 322	Intermediate Accounting II	3		
<b>Choose three courses from the following list:</b>				
ACC 307	Government and Non-Profit Accounting	3		
ACC 308	Managerial Cost Accounting	3		
ACC 319	Federal Income Tax I	3		
ACC 320	Accounting Information Systems	3		
ACC 418	Advanced Accounting	3		
ACC 419	Federal Income Tax II	3		
ACC 421	Auditing	3		
TOTAL HOURS FOR MINOR		21 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## AMERICAN STUDIES MINOR

Contact: Dr. Mark Boulton

Email: [mark.boulton@wcmo.edu](mailto:mark.boulton@wcmo.edu)

The American Studies minor is an interdisciplinary program of study which helps students think analytically and creatively about the U.S. while fostering reading and writing skills. The program explores the relationship of America with the Western cultural tradition, identifying points of commonality and departure. Students who major or minor in U.S. History, Political Science, English and/or Sociology may enroll in this minor but they may not select elective courses from their major or minor departments. Students enrolled in the Washington Seminar and the Chicago Semester programs may apply, as appropriate, one of their off-campus course electives, provided the course lies outside their major or minor.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [English Course Descriptions](#)
- [History Course Descriptions](#)
- [Music Course Descriptions](#)
- [Political Science Course Descriptions](#)
- [Religion Course Descriptions](#)
- [Sociology Course Descriptions](#)

---

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

---

Advisor	Date Minor Declared
---------	---------------------

---

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Core Courses: 9 credits required.</b>				
HIS 103	US History to 1877	3		
or HIS 104	US History Since 1877	3		
ENG 238	American Literature to the Civil	3		
or ENG 239	American Literature since the Civil War	3		
POL 211	American Government & Politics	3		
or SOC 111	Introduction to Sociology	3		
<b>Elective Courses: Choose 3 courses for 9 credits total from the following list.</b>				
<i><b>Religion</b></i>				
REL 319	Recent Christian Thought	3		
<i><b>English &amp; Fine Arts</b></i>				
ENG 315*	Literary Modes and Genres	3		
ENG 325*	Literary Movements	3		
ENG 330*	Visions and Revisions	3		
ENG 335*	A Sense of Place	3		
ENG/WGS 340*	Gender and Literary Expression	3		
ENG 345*	Ethnic Literature	3		
ENG 350*	Studies in the Author	3		
ENG 355*	Literature and the Other Arts	3		
MUS 303	Music History and Literature	3		
<i><b>Political Science &amp; Anthropology &amp; Sociology</b></i>				
POL 301	The American Presidency	3		
POL 304	American Political Theory	3		
POL 311	Parties, Voting, and Campaign Strategies	3		
POL 319	Public Administration	3		
POL 362	American Foreign Policy	3		
<b>TOTAL HOURS FOR MINOR</b>		<b>18 hrs</b>		

\*Focused primarily on the United States

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## BIOCHEMISTRY (Biological Emphasis) MAJOR

Professor: G. McNett

Associate Professor: B. Hansert, D. Holliday

Assistant Professor: L. Strawsine, B. Dhital, J. Morrow, M. Howell

Visiting Assistant Professor: R. Zumwalt, S. Vanderpool, S. Hinshaw

Contact: Dr. Dawn Holliday

Email: [dawn.holliday@wcmo.edu](mailto:dawn.holliday@wcmo.edu)

The Departments of Biology and Environmental Science and Chemistry offer an interdisciplinary major program of study to a Bachelor of Arts in Biochemistry. The major program is structured into two tracks, biological emphasis and chemical emphasis, to allow the student to pursue a more advanced study of biochemistry to fulfill their particular interests and professional goals. Both tracks require introductory biology and chemistry courses with emphasis on fundamental concepts and give students a clear insight into the underlying biological and chemical principles. The Biodiversity, Biological Processes and General Chemistry courses fulfill the general degree requirements for a course in Laboratory science as well as serving as foundation courses for biochemistry students.

Students completing a Biology or Chemistry major may not also receive a Biochemistry major. Students majoring in Biochemistry cannot obtain a second major or minor in Biology or Chemistry. Biochemistry majors may double major in One Health, but must do so in close consultation with the Department of Biology and Environmental Science.

The Departments strongly recommend that students majoring in Biochemistry (Biological Emphasis) take Calculus through Calculus II (MAT 124 and MAT 214) and Physics I and II (PHY 201 and PHY 212). Any student who elects to take BIO 404, Biochemistry, must have successfully completed both semesters of Organic Chemistry or be currently taking CHM 324/325. No more than four hours of BIO 398 Independent Study Research Projects, may be counted toward the major. Students must earn a letter grade of C- or better in all courses needed to satisfy major requirements.

Biochemistry Honors: This designation would be given for Biochemistry majors who meet the following criteria.

1. GPA  $\geq$  3.3 average for all BIO courses
2. Two semesters for independent, hypothesis-driven research
  - a. Preferable: A single project carried out over 2 semesters for a total of 4-6 hours of independent study
  - b. Alternatively:
    - i. Two single semesters for a total of 4-6 hours of independent study
    - ii. A summer Research Experience for Undergraduates (REU) or similar type of research experience and a single semester (2-3 hours). These projects MUST be preapproved and must be accompanied by a formal campus presentation.
3. A formal thesis/paper that is evaluated by at least two faculty members
4. An oral or poster presentation at the Undergraduate Scholars forum or at a local, regional, or national conference

At least 50% of all BIO and CHM hours needed to satisfy the major (22-24) must be Westminster courses.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Biology Course Descriptions](#)
- [Chemistry Course Descriptions](#)
- [Math Course Descriptions](#)

Major: **BIOCHEMISTRY (Biological Emphasis)**

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

Advisor	Date Major Declared
---------	---------------------

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Biology Required Courses (12 hrs)</b>				
BIO 114/115	Biological Processes	4		
BIO 124/125	Biodiversity	4		
BIO 404	Biochemistry (CHM 314/315 prereq, 324/325 coreq)	4		
<b>Chemistry Required Courses (16 hrs)</b>				
CHM 114/115	General Chemistry I	4		
CHM 124/125	General Chemistry II	4		
CHM 314/315	Organic Chemistry I	4		
CHM 324/325	Organic Chemistry II	4		
<b>Biology Electives (Three of the following: 9-12 hrs)</b>				
BIO 212	Research Methods	3		
BIO 300	Immunology	3		
BIO 301	Genetics	4		
BIO 303	Microbiology (BIO 114/115 & 124/125 prereqs)	4		
BIO 310	Environmental Toxicology	3		
BIO 325	Molecular Cell Biology	4		
BIO 330	Virology (BIO 301 recommended)	3		
BIO 372	Developmental Biology (BIO 301 prereq)	4		
BIO 398	Independent Research Projects in Biochemistry	3-4		
BIO 420	Physiology (BIO 302 or 322 prereq)	4		
<b>Chemistry Electives (Two of the following: 6-8 hrs)</b>				
CHM 304	Inorganic Chemistry	3		
CHM 334/335	Analytical Chemistry I (lab required)	4		
CHM 344/345	Analytical Chemistry II (lab required)	4		
CHM 404	Physical Chemistry for the Life Sciences	3		
<b>or</b> CHM 424/425	Physical Chemistry I (lab required)	4		
CHM 410	Advanced Topics in Chemistry	3		
CHM 434/435	Physical Chemistry II (lab required)	4		
<b>Other Required Course (3-5 hrs)</b>				
MAT 114	Elementary Statistics	3		
<b>or</b> MAT 124	Calculus I	5		
<b>TOTAL HOURS FOR MAJOR</b>		<b>46-53 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---





## BIOCHEMISTRY (Chemical Emphasis) MAJOR

Associate Professor: B. Hansert, D. Holliday, G. McNett

Assistant Professor: L. Strawsine, B. Dhital, J. Morrow, M. Howell

Visiting Assistant Professor: R. Zumwalt, S. Vanderpool, S. Hinshaw

Contact: Dr. Bernie Hansert

Email: [Bernie.hansert@wcmo.edu](mailto:Bernie.hansert@wcmo.edu)

The Departments of Biology and Environmental Science and Chemistry offer an interdisciplinary major program of study to a Bachelor of Arts in Biochemistry. The major program is structured into two tracks, biological emphasis and chemical emphasis, to allow the student to pursue a more advanced study of biochemistry to fulfill their particular interests and professional goals. Both tracks require introductory biology and chemistry courses with emphasis on fundamental concepts and give students a clear insight into the underlying biological and chemical principles. The Biodiversity, Biological Processes and General Chemistry courses fulfill the general degree requirements for a course in Laboratory science as well as serving as foundation courses for biochemistry students.

Students completing a Biology or Chemistry major may not also receive a Biochemistry major. Students majoring in Biochemistry cannot obtain a second major or minor in Biology or Chemistry.

Any student who elects to take BIO 404, Biochemistry, must have successfully completed both semesters of Organic Chemistry or be currently taking CHM 324/325. No more than four hours of BIO 398 Independent Study Research Projects, may be counted toward the major. Students must earn a C- or better in all courses needed to satisfy major requirements.

The Chemical Emphasis track of the major focuses more strongly on the chemical, physical and mathematical applications of biochemistry. Students are required to complete fundamental core courses in biology, chemistry, mathematics, and physics. In addition to the core courses students are also required to complete two biology electives and one chemistry elective.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Biology Course Descriptions](#)
- [Chemistry Course Descriptions](#)
- [Math Course Descriptions](#)
- [Physics Course Descriptions](#)

Major: **BIOCHEMISTRY (Chemical Emphasis)**

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Biology Required Courses (12 hrs)</b>				
BIO 124/125	Biodiversity	4		
BIO 114/115	Biological Processes	4		
BIO 404	Biochemistry (CHM 314/315 prereq, 324/325 coreq)	4		
<b>Chemistry Required Courses (16 hrs)</b>				
CHM 114/115	General Chemistry I	4		
CHM 124/125	General Chemistry II	4		
CHM 314/315	Organic Chemistry I	4		
CHM 324/325	Organic Chemistry II	4		
CHM 334/335	Analytical Chemistry I	4		
CHM 404	Physical Chemistry for the Life Sciences	3		
or CHM 424/425	Physical Chemistry I	4		
<b>Physics Required Courses (8 hrs)</b>				
PHY 201	Physics I	4		
PHY 212	Physics II	4		
<b>Mathematics Required Courses (9 hrs)</b>				
MAT 124	Calculus I	5		
MAT 214	Calculus II	4		
<b>Biology Electives (Two of the following: 7-8 hrs)</b>				
BIO 301	Genetics	4		
BIO 325	Molecular Cell Biology	4		
BIO 330	Virology (BIO 301 recommended)	3		
BIO 420	Physiology (BIO 302 or 322 prereq)	4		
BIO 372	Developmental Biology (BIO 301 prereq)	4		
BIO 303	Microbiology (BIO 114/115 & 124/125 prereqs)	4		
<b>Chemistry Electives (One of the following: 3-4 hrs)</b>				
CHM 304	Inorganic Chemistry	3		
CHM 344/345	Analytical Chemistry II	4		
CHM 410	Advanced Projects in Chemistry	3		
CHM 434/435	Physical Chemistry	4		
<b>TOTAL HOURS FOR MAJOR</b>		<b>62-65 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## BIOLOGY MAJOR

Professor: G. McNett  
Associate Professor: D. Holliday (Chair)  
Assistant Professor: J. Morrow, M. Howell  
Visiting Assistant Professor: S. Hinshaw

Contact: Dr. Dawn Holliday |  
Email: [dawn.holliday@wcmo.edu](mailto:dawn.holliday@wcmo.edu)

The Department of Biology and Environmental Science offers a major program of study leading to the Bachelor of Arts in Biology as well as a minor in Biology. Introductory courses are designed to meet the several needs and interests of Westminster liberal arts students. Biological Process and Biodiversity fulfill the Tier II (New Foundations) or a Science Inquiry Theme (Breakthrough) requirement for a course in laboratory science as well as serving as foundation courses for students considering a major in biology and several related fields.

Students completing a Biology Major may not also receive a Biochemistry Major, One Health major, or Biology Minor. In order to earn a major in Biology, students must earn a letter grade of C- or better in all listed courses needed to satisfy major requirements. At least 50% of all Biology hours used to satisfy the major (20-22) must be Westminster courses.

### Other Recommendations:

All biology majors must complete either MAT 114 or MAT 124. We highly recommend that students complete both courses, in particular those students who wish to enter graduate or healthcare professional school. Please note that for students who do not meet the prerequisites for these courses there are other math courses offered to help students prepare for this requirement (i.e. MAT 090, Intermediate Algebra and MAT 111, College Algebra). For Students who plan to enter a healthcare professional school we also recommend PHY 201, Physics I and PHY 212, Physics II. The Biology Department highly recommends that its students also have a strong foundation in Chemistry. In particular for those students who plan to enter graduate or healthcare professional school, we recommend the following courses:

CHM 114/115	General Chemistry I
CHM 124/125	General Chemistry II
CHM 314/315	Organic Chemistry I
CHM 324/325	Organic Chemistry II

Biology Honors: This designation would be given for Biology majors who meet the following criteria.

1. GPA  $\geq$  3.3 average for all BIO courses
2. Two semesters for Independent, hypothesis-driven research
  - a. Preferable: A single project carried out over 2 semesters for a total of 4-6 hours of independent study
  - b. Alternatively:
    - i. Two single semester projects for a total of 4-6 hours of independent study
    - ii. A summer Research Experience for Undergraduates (REU) or similar type of research experience and a single semester (2-3 hours). These projects MUST be preapproved and must be accompanied by a formal campus presentation.
3. A formal thesis/paper that is evaluated by at least two faculty members
4. An oral or poster presentation at the Undergraduate Scholars forum or at a local, regional, or national conference.

**\*\*Note that placement of experimental courses (marked with asterisks) within the minor is subject to change.**

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Biology Course Descriptions](#)
- [Math Course Descriptions](#)

Major: BIOLOGY

---

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

---

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses:</b>				
<b>Level One</b>	<b>Introductory Courses</b> (This level <i>MUST</i> be completed before level II (8 hours)			
BIO 114/115	Biological Processes	4		
BIO 124/125	Biodiversity	4		
<b>Level Two</b>	<b>Intermediate Courses</b> (Students take 2 of the following courses. At least 1 course from this group <i>MUST</i> be completed before Level III. The 2 <sup>nd</sup> course <i>MUST</i> be completed by the end of the Junior year (8 hours).			
BIO 205	Ecology and Field Biology	4		
BIO 212	Research Methods	3		
BIO 301	Genetics	4		
BIO 302	Human Anatomy	4		
<b>Level Three</b>	<b>Advanced Courses</b> (18-20 hours): Students must take 5 courses with at least one course from each track and at least 3 of the courses must include a laboratory experience. One course may be a third course from Level Two. Independent research may count for one course (3-4 hours) for the Level Three requirement. Completion of at least one WI/WIO course in the major is highly recommended. *Note: some courses in Level Three may have specific prerequisites from Level Two.			
<b>A</b>	<b>Cellular Biology, Molecular Biology &amp; Human Health</b>			
BIO 300	Immunology	3		
BIO 303	Microbiology (BIO 114/115 & 124/125 prereqs)	4		
BIO 314	Vertebrate Histology (Ind. Study only)	3-4		
BIO 325	Molecular Cell Biology	4		
BIO 330	Virology (BIO 301 recommended)	3		
BIO 372	Developmental Biology (BIO 301 prereq)	4		
BIO 398	Ind. Research (cell. /human health focus)	3-4		
BIO 404	Biochemistry (CHM 314/315 prereq, 324/325 coreq)	4		
BIO 415	Human Gross Anatomy (BIO 302 prereq)	4		
BIO 420	Physiology (BIO 302 prereq)	4		
<b>B</b>	<b>Organismal Biology</b>			
BIO 204	Animal Behavior	4		
BIO 208	Functional Plant Morphology	4		
BIO 315	Entomology	4		
BIO 318	Ornithology	4		
GEO 335	Paleontology	4		
BIO 398	Ind. Research (Organismal focus)	3-4		
<b>C</b>	<b>Ecosystems: Characteristics, Processes &amp; Management</b>			
BIO 210	Biogeography	3		
BIO 310	Environmental Toxicology	3		
BIO 320/321	Biology in Belize (or other equivalent travel course)	4		

ENV 350	Conservation Biology	3		
BIO 398	Ind. Research (ecosys./ecological focus)	3-4		
	<b>Capstone Course</b> (must be completed in the Junior or Senior Year)	3		
BIO 450	Evolution (BIO 301 recommended)	3		
<b>Other Required Courses (3-5 hours)</b>				
MAT 114	Elementary Statistics	3		
<i>or</i> MAT 124	Calculus I	5		
	<b>TOTAL HOURS FOR MAJOR</b>	<b>38-42 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---





## BIOLOGY MINOR

Contact: Dr. Dawn Holliday

Email: [dawn.holliday@wcmo.edu](mailto:dawn.holliday@wcmo.edu)

Students completing a Biochemistry Major may not also receive a Biology minor.

\*\*Note that placement of experimental courses (marked with asterisks) within the minor is subject to change.

In order to earn a Minor in Biology, students must earn a letter grade of C- or better in all minor courses needed. At least 50% of all Biology hours used to satisfy the minor (11-12) must be Westminster courses.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Biology Course Descriptions](#)

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Level I: Introductory Courses (8 hrs)</b> <i>This level must be completed before Level II</i>				
BIO 124/125	Biological Diversity	4		
BIO 114/115	Biological Processes	4		
<b>Level II: Intermediate Courses (8 hrs)</b> <i>Students take two of the following courses. At least 1 course from this group must be completed before Level III. The 2<sup>nd</sup> course must be completed by the end of the Junior year.</i>				
BIO 205	Ecology & Field Biology	4		
BIO 301	Genetics	4		
BIO 302	Human Anatomy	4		
BIO 322	Vertebrate Biology	4		
<b>Level III: Advanced Courses (6-8 hrs)</b> <i>Students take two of the following courses. Note: Some courses may have specific prerequisites from Level II.</i>				
BIO 204	Animal Behavior	4		
BIO 208	Functional Plant Morphology	4		
BIO 210	Biogeography	3		
BIO 303	Microbiology (BIO 114/115 & 124/125 prereqs)	4		
BIO 310	Environmental Toxicology	3		
BIO 314	Vertebrate Histology (Indep. Study only)	3-4		
BIO 315	Entomology	4		
BIO 318	Ornithology	4		
BIO 320/321	Biology in Belize (or equivalent)	4		
BIO 325	Molecular Cell Biology	4		
BIO 330	Virology (BIO 301 recommended)	3		
BIO 372	Developmental biology (BIO 301 prereq)	4		
BIO 404	Biochemistry (CHM 314/315 prereq, 324/325 coreq)	4		
BIO 415	Human Gross Anatomy (BIO 302 prereq)	4		
BIO 420	Physiology (BIO 302 or 322 prereq)	4		
BIO 450	Evolution (BIO 301 recommended)	4		
ENV 350	Conservation Biology	3		
TOTAL HOURS FOR MINOR		22-24 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## BUSINESS ADMINISTRATION MAJOR

Entrepreneurship  
Finance  
Management  
Marketing  
No Concentration

Professor: R. Bhandari, S. Manzoor (Chair)

Associate Professor: R. Eames

Assistant Professor: K. Fram, A. Kulkarni, A. Rahman, N. Wilbur

Visiting Instructor: J. Jackson

Contact: Dr. Sonia Manzoor

Email: [Sonia.manzoor@wcmo.edu](mailto:Sonia.manzoor@wcmo.edu)

The Business Administration major is offered through the John E. Simon Department of Accounting, Business Administration, Economics, and Finance. Course work is designed to study the nature and complexity of organized commercial and non-profit activities, preparing students for service to society, the organization, and self.

The major develops an appreciation for the role of business in society, the moral and ethical dimensions of business, and the impact of diverse cultures on the business operations. Students will also learn to appreciate human interaction in the work environment, and the process of conceiving, planning, designing, and running a business enterprise. The major will develop an ability to analyze complex problems and make reasoned judgments, to understand and work with financial data, and to understand the use of personal computers and computer systems. Finally, students will develop an ability to communicate effectively and work with others.

Business Majors are well prepared for entry-level positions in a wide variety of organizations. In addition, graduate programs are available across the country for further study at the masters and doctoral levels. Students with graduate degrees find ready employment in business, education, research, and/or consulting.

Students must have either sophomore standing or be in their third semester as full-time Westminster students to enroll in any business course. All business Administration majors must complete ACC 215 and 216, ECN 211 and 212, and MAT 114 and achieve junior standing before registering for any 300- or 400- level courses in accounting, business administration, or economics.

Majors must have at least a 2.00 grade point average in all accounting, business administration, and economics courses needed to satisfy major requirements.

It is possible for a Business major to be completed with no concentration, by completing any four accounting, business, or economics courses (2 of them BUS courses) in addition to the required courses. Students may also choose to complete one or more of the four concentration areas: Finance, Marketing, Management, or Entrepreneurial Studies. To complete a concentration area, a student must choose three of his/her/their electives from the list provided for that concentration area, plus one additional accounting, business, or economics course. (For entrepreneurial studies, students must take BUS 325 and choose two more of their electives from the list.)

Some courses serve multiple concentrations. However, any given elective may be counted toward at most two concentrations simultaneously.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Accounting Course Descriptions](#)
- [Business Course Descriptions](#)
- [English Course Descriptions](#)
- [Psychology Course Descriptions](#)
- [Speech Course Descriptions](#)

Major: BUSINESS ADMINISTRATION

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Core Business Courses</b>				
ACC 215	Principles of Financial Accounting	3		
ACC 216	Principles of Managerial Accounting	3		
BUS 220	Fundamentals of Management	3		
BUS 250	Principles of Marketing	3		
BUS 327	Operations Management	3		
or ECN 351	Price Theory and Managerial Decisions	3		
ECN 211	Principles of Macroeconomics	3		
ECN 212	Principles of Microeconomics	3		
FIN 318	Corporate Financial Management	3		
MAT 114	Elementary Statistics	3		
MAT 122	Business Calculus*	3		
or MAT 124	Calculus I	5		
BUS 210	Spreadsheet Application in Business	3		
SPE 101	Intro to Speech Communication	3		
or SPE 203	Interpersonal Communication	3		
or SPE 220	Public Speaking	3		
BUS 450	Business Strategy	3		
Total Core Business Hours		39-41 hrs		

To complete a Business Administration major with no concentration 4 additional ABEF courses are required with at least (2) of them being BUS courses in addition to the required courses (12 credit hours)

	*			
	*			
	*			
	*			
TOTAL HOURS FOR MAJOR		51-53 hrs		

To complete an Entrepreneurship concentration, choose three, plus an at-large ABEF elective

**Required Courses:**

BUS 325	Entrepreneurship	3		
Choose any three from the following or you can choose two from the list and one at-large AB&F departmental elective. The at large elective can be any course in the department (with prefix: ACC, BUS & FIN) except ECN 110 & BUS 131:				
BUS 223	Business Law	3		
BUS 330	Advertising and Brand Promotion	3		
BUS 334	Consumer Behavior	3		
BUS 345	Digital Marketing	3		
BUS 399	Internship	3		
SPE 310	Business and Professional Communication	3		
TOTAL HOURS FOR MAJOR		51-53 hrs		

To complete a Finance concentration, choose three, plus an at-large ABEF elective

<b>At least two of the following:</b>				
FIN 328	Managerial Finance	3		
FIN 350	Investments	3		
FIN 351	Portfolio Management	3		
<b>At least one of the following:</b>				
ACC 308	Managerial and Cost Accounting	3		
ACC 312	Intermediate Accounting I	3		
ACC 319	Federal Income Tax I	3		
ACC 419	Federal Income Tax II	3		
ECN 325	Money, Banking, and Financial Markets	3		
ECN 337	Open-Economy Macroeconomics	3		
ECN 331	Intermediate Macroeconomics Theory	3		
ECN 351	Price Theory and Managerial Decisions	3		
TOTAL HOURS FOR MAJOR		51-53 hrs		
To complete a Management Concentration, choose any three from the following and one at-large AB&F departmental elective. The at large elective can be any course in the department (with prefix: ACC, BUS, ECN or FIN) except ECN 110 & BUS 131:				
BUS 221	Organizational Behavior	3		
BUS 322	Cross-Cultural Management	3		
BUS 326	Human Resource Management	3		
BUS 353	Non-Profit Management	3		
BUS 367	Hotel and Tourism Management	3		
<b>One of the following may be counted:</b>				
BUS 325	Entrepreneurship	3		
BUS 330	Advertising and Brand Promotion	3		
PSY 305	Industrial/Organizational Psychology	3		
SPE 310	Business and Professional Communication	3		
TOTAL HOURS FOR MAJOR		51-53 hrs		
<b>To complete a Marketing Concentration:</b>				
<b>Required Course</b>				
BUS 330	Advertising and Brand Promotion	3		
Choose any three from the following list or choose two from the list and one at-large ABEF elective. The at-large elective can be any course in the department (ACC, BUS, ECN, or FIN prefix) except for BUS 131 or ECN 110.				
BUS 315	Sports Management	3		
BUS 325	Entrepreneurship	3		
BUS 334	Consumer Behavior	3		
BUS 345	Digital Marketing	3		
SPE 220	Public Relations	3		
or SPE 310	Business and Professional Communication			
TOTAL HOURS FOR MAJOR		51-53 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---





## BUSINESS ADMINISTRATION MINOR

Contact: Dr. Sonia Manzoor

Email: [Sonia.manzoor@wcmo.edu](mailto:Sonia.manzoor@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Accounting Course Descriptions](#)
- [Business Course Descriptions](#)
- [Finance Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

---

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

---

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
Required Courses				
ACC 215	Principles of Financial Accounting I	3		
BUS 220	Fundamentals of Management	3		
BUS 250	Principles of Marketing	3		
FIN 318	Corporate Financial Management	3		
BUS 3xx/4xx	Business Elective, 300-level or above	3		
BUS 3xx/4xx	Business Elective, 300-level or above	3		
TOTAL HOURS FOR MINOR		21 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---

---



## BUSINESS COMMUNICATION MAJOR

Assistant Professor: T. Sorg

Contact: Natasia Sexton

Email: [Natasia.Sexton@westminster-mo.edu](mailto:Natasia.Sexton@westminster-mo.edu)

In the Business Communication major, students study the communication process from a variety of perspectives—media relations, business, management and communications philosophy. Students receive a hands-on, real world applicable approach to the field. They learn the importance of communicating with different audiences in different ways. Students pursue three different academic paths within the major: oral communication, written communication, and visual communication.

Such a major could be especially desirable for students with interest in the dynamics of communication within the office-place, or the dynamics of communication between businesses and their external constituencies. **Mandatory pre-requisites are noted in parentheses.** In the event there is a permanent discontinuation of any course offerings below, the program coordinator will work with students to select a comparable substitute.

Majors must earn a grade of "C-" or better in all courses used to satisfy the Business Communication major requirements.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Business Course Descriptions](#)
- [English Course Descriptions](#)
- [Fine Arts Course Descriptions](#)
- [History Course Descriptions](#)
- [Information Technology Course Descriptions](#)
- [Philosophy Course Descriptions](#)
- [Political Science Course Descriptions](#)
- [Psychology Course Descriptions](#)
- [Speech Course Descriptions](#)
- [Theater Arts Course Descriptions](#)
- [Women and Gender Studies Course Descriptions](#)

Major: BUSINESS COMMUNICATION

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Complete	Grade
<b>Required Courses (21 hrs.):</b>				
BUS 250	Principles of Marketing	3		
ENG 260	Journalism	3		
ENG 270	Expository Writing	3		
ENG 275	Introduction to Creative Writing	3		
SPE 101	Introduction to Speech	3		
SPE 203	Interpersonal Communication	3		
SPE 310	Business and Professional Communication (SPE 101 and Junior standing)	3		
<b>Organizational Fundamentals: One course from the following (3 hrs.):</b>				
BUS 220	Fundamentals of Management	3		
BUS 221	Organizational Behavior	3		
<b>Visual Communication: One course from the following (3 hrs.):</b>				
DIG 250	Web Page Design	3		
ENG/JMP 220	Janus and the World of Publishing	3		
ENG/THE 230	Play in Performance	3		
FAR 215	Art of the Film	3		
FAR 310	The Art of Service: Community Based Arts Initiatives	3		
THE 201	Basic Acting	3		
<b>Communication in Context: Two courses from the following (6 hrs.):</b>				
BUS/PSY 305	Industrial-Organizational Psychology (PSY 112 or 113)	3		
BUS 326	Human Resource Management (BUS 220)	3		
ITS 399	Internship	3		
LST/WGS 205	Mediation and Conflict Resolution	3		
PHL 218	Introduction to Logic	3		
POL 311	Political Parties, Voting, and Campaign Strategies	3		
SPE 220	Public Relations (SPE 101 & ENG 260 recommended)	3		
SPE 303	Communication in Relationships (SPE 203 & Sophomore status)	3		
<b>Core Business Courses: Two courses from the following (6 hrs.):</b>				
BUS 322	Cross-Cultural Management	3		
BUS 330	Advertising and Brand Promotion	3		
BUS 334	Consumer Behavior	3		
BUS 337	Labor Relations	3		
<b>Written Communication: Pick one course from the following (3 hrs.):</b>				
ENG 372	Creative Writing Prose	3		
ENG 374	Creative Writing Poetry	3		
ENG 376	Creative Nonfiction	3		
		<b>TOTAL HOURS FOR MAJOR</b>	<b>42 hrs</b>	

If any substitutions or waivers of requirements are allowed, please list below and initial.



## CHEMISTRY MAJOR

Associate Professor: B Hansert (Chair)  
Assistant Professors: B. Dhital, L. Strawsine  
Visiting Assistant Professor: R. Zumwalt, S. Vanderpool

Contact: Dr. Bernie Hansert  
Email: [Bernie.hansert@wcmo.edu](mailto:Bernie.hansert@wcmo.edu)

The Department of Chemistry offers a major program of study leading to a Bachelor of Arts in Chemistry as well as a minor program of study in chemistry. Introduction to Chemistry/Lab (CHM 105/106) satisfies the general education requirement for a laboratory science course. The objectives of course work and programs in this department are to give students a clear insight into the underlying principles of chemical phenomena and to introduce them to the analytical and reasoning skills that produce this insight. By emphasizing principles, courses in chemistry contribute to a student's general education and furnish a sound foundation for graduate and professional study and careers in chemistry and other scientific, technical and professional fields.

Students intending to major or minor in chemistry must earn a letter grade of C- or better in all required chemistry courses.

Students planning graduate study in chemistry are strongly encouraged to take PHY 223 Physics III, MAT 215 Linear Algebra, MAT 312 Differential Equations, and CSC 111 Fundamentals of Computer Science I.

No more than 40 Credit hours in chemistry courses may be counted toward the 122 credit hours required for graduation.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Chemistry Course Descriptions](#)
- [Physics Course Descriptions](#)

Major: CHEMISTRY

---

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

---

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
Required Courses (38 hrs):				
CHM 114/115	General Chemistry I	4		
CHM 124/125	General Chemistry II	4		
CHM 304	Inorganic Chemistry	3		
CHM 314/315	Organic Chemistry I	4		
CHM 324/325	Organic Chemistry II	4		
CHM 334/335	Analytical Chemistry I	4		
CHM 344/345	Analytical Chemistry II	4		
CHM 424/425	Physical Chemistry I	4		
CHM 434/435	Physical Chemistry II	4		
One Elective course chosen from courses above the 200		3-4		
Other Required Courses:				
	Mathematics through MAT 224 Calculus III	13		
PHY 201	Physics I	4		
PHY 212	Physics II	4		
TOTAL MAJOR HOURS		59-60 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---





## CHEMISTRY MINOR

Contact: Dr. Bernie Hansert

Email: [Bernie.hansert@wcmo.edu](mailto:Bernie.hansert@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Biology Course Descriptions](#)
- [Chemistry Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
CHM 114/115	General Chemistry I	4		
CHM 124/125	General Chemistry II	4		
CHM 334/335	Analytical Chemistry I	4		
<b>At least seven hours from the courses listed below</b>				
CHM 304	Inorganic Chemistry	3		
CHM 314/315	Organic Chemistry I	4		
CHM 324/325	Organic Chemistry II	4		
CHM 344/345	Analytical Chemistry II	4		
CHM 404	Physical Chemistry for the Life Sciences	3		
CHM 424/425	Physical Chemistry I	4		
CHM 434/435	Physical Chemistry II	4		
BIO 404	Biochemistry	4		
<b>TOTAL HOURS FOR MINOR</b>		<b>19-20 hrs</b>		

Note: Only one of the courses, CHM 404 or CHM 424/425, may be counted toward the minimum seven hours for other courses.

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## COACHING MINOR

Professor: T. Miller  
 Assistant Professor: A. Gowin  
 Assistant Professor: C. Robb

Contact: Dr. Amanda Gowin  
 Email: [Amanda.gowin@wcmo.edu](mailto:Amanda.gowin@wcmo.edu)

All coaching minors must have a grade of C or better in the classes needed to satisfy the minor requirements.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Health and Exercise Science Course Descriptions](#)
- [Physical Education Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

---

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

---

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
HES 232	Care and Prevention of Athletic Injuries	3		
HES 321	Kinesiology	3		
HES 340	Exercise Physiology	3		
HES 406	Management of Physical Education and Athletics	2		
<b>Electives: Two courses from the listed below (one must be a coaching theory course)</b>				
HES/PSY 231	Sport Psychology	3		
PED 311	Coaching Theory of Football	2		
PED 312	Coaching Theory of Soccer	2		
PED 313	Coaching Theory of Baseball	2		
PED 314	Coaching Theory of Basketball	2		
PED 317	Coaching Theory of Volleyball	2		
PED 318	Coaching Theory of Softball	2		
PED 319	Coaching Theory of Tennis	2		
<b>Electives: One course from the list below</b>				
PED 331	Sports Officiating: Football	1		
PED 332	Sports Officiating: Soccer	1		
PED 333	Sports Officiating: Baseball	1		
PED 334	Sports Officiating: Basketball	1		
PED 337	Sports Officiating: Volleyball	1		
PED 338	Sports Officiating: Softball	1		
<b>TOTAL HOURS FOR MINOR</b>		<b>16-17 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



## COMMUNITY LEADERSHIP MINOR

Contact: Prof. Ashley Dodson

Email: [ashley.dodson@westminster-mo.edu](mailto:ashley.dodson@westminster-mo.edu)

The Community Leadership minor engages students in a study of community dynamics and the issues at the heart of maintaining healthy and equitable communities; at the same time, it guides students in exploring how one leads within a community and challenges them to put their knowledge into practice through experiential learning. Similar to the Organizational Leadership minor, this minor exposes students to contemporary leadership concepts and theories, and to their application in a variety of contexts; likewise, the minor includes skill development in critical thinking, creative problem solving, and ethical decision-making, which are the foundation to becoming a positive change agent. As they complete this minor, students will apply theories of leadership to address the challenges of human rights, social justice, diversity, equity, and inclusion. The courses help students develop and implement their own values-centered and strengths-based leadership philosophy and style that is grounded in ethics and contemporary theory.

This 21-credit hour minor requires students to take introductory courses in leadership theory and in ethics, and a course that offers a broad overview of people living in community; to provide a capstone experience, the minor also requires students to put leadership into practice. Three upper-level elective course allow students to study community issues in-depth, choosing topics that interest them most.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Economics Course Descriptions](#)
- [Education Course Descriptions](#)
- [Global and Transnational Course Descriptions](#)
- [Health and Exercise Science Course Descriptions](#)
- [History Course Descriptions](#)
- [Music Course Descriptions](#)
- [Organizational Leadership Course Descriptions](#)
- [Philosophy Course Descriptions](#)
- [Political Science Course Descriptions](#)
- [Religion Course Descriptions](#)
- [Sociology Course Descriptions](#)

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses (9 hrs)</b>				
LST 201	Leadership Theories & Practice	3		
PHL 212	Introduction to Ethics	3		
SOC 111	Introduction to Sociology	3		
or EDU 225	Human Experience Across Ages	3		
<b>Civic Leadership in Practice (3 hrs)</b>				
LST 133	Service-Learning Leadership Lab	3		
or LST 301	Organizational Leadership Mentoring	3		
or LST 399	Leadership Internship	3		
<b>Upper-Level Electives (choose 2 from one group and one from the other) (9 hrs)</b>				
<i>Community Dynamics</i>				
GTS 320	Global Inequality	3		
GTS/SOC 330	Global City	3		
HES 355	Women's Health Issues	3		
HES 357	Community Nutrition	3		
HIS 310	Topics in Public History	3		
PSY 364	Stereotyping, Prejudice, and Group Conflict	3		
<i>Civic Action</i>				
ECN 334	Economic Development	3		
EDU 385	Diversity in Education	3		
LST 340	Great Leaders	3		
MUS 335	Song and Community	3		
POL 337	Human Rights	3		
REL 307	Social Justice in Modern Christian Thought	3		
<b>TOTAL HOURS FOR MINOR</b>		<b>21 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## COMPUTER SYSTEMS ANALYSIS MAJOR

Professor: L. Webster  
Instructor: C. Cox

Contact: Dr. Linda Webster  
Email: [Linda.Webster@wcmo.edu](mailto:Linda.Webster@wcmo.edu)

A major in Computer Systems Analysis prepares students to apply programming and systems analysis principles to the selection, implementation, and troubleshooting of customized computer and software installations across the systems development life cycle. It includes instruction in computer hardware and software; the compilation, composition, execution, and operation of information systems; low- and high-level programming languages; programming and debugging techniques; installation and maintenance testing and documentation; process, data flow, and user needs analyses and documentation; cost-benefit analyses; and specification design. Focus is on the entire systems development life cycle including requirements gathering, feasibility analyses, project estimation, system design, quality assurance, implementation, integration, security, documentation, and testing. Established quantitative metrics will be used for identifying project objectives and ensuring quality throughout the systems development life cycle. Students will learn to apply project management principles to a variety of computer-based information systems projects.

The course offerings in Computer Systems Analysis serve majors as well as students majoring in other fields. The lower-level courses present an introduction to information systems concepts and to structured programming. The advanced courses are designed for extended study and include exploration of the theoretical and technical aspects of Computer Systems Analysis. All courses are taught in a computer laboratory setting, permitting experimentation with the practical application of theoretical concepts. Students also present their work in written, electronic, and verbal formats. In addition to the technical focus, students in the major are provided opportunities to practice techniques to develop professional skills related to becoming successful leaders in a wide variety of organizations. Student learning is achieved by applying a problem-based approach focusing on critical thinking, technological understanding, and interpersonal communications.

This major will serve students who are interested in computer systems analysis, software development, computer programming, and/or information systems development. It will also serve students who are more interested in the other aspects of systems development including requirements gathering, design, system testing, project management, and quality control.

The Computer Systems Analysis major will prepare students for either immediate employment or graduate study. Graduates with this major typically pursue a career as a systems analyst, business systems analyst, requirements engineer, software developer, programmer, quality assurance engineer, or project manager in a wide variety of business, non-profit, and industry organizations. Students will also be prepared to enter a wide range of graduate programs in related computing disciplines. It is recommended that students planning graduate study in a computing discipline consider taking additional courses in mathematics. Majors must earn a grade of C- or better in all courses for the major.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Computer Systems Analysis Course Descriptions](#)
- [Computing and Digital Technology Course Descriptions](#)
- [Cybersecurity Course Descriptions](#)
- [Digital Media Course Descriptions](#)



Major: COMPUTER SYSTEMS ANALYSIS MAJOR

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
Required Courses:				
CBR 220	Information Security	3		
CDT 101	Computing Across the Disciplines	1		
CSA 104	Programming Logic and Design	3		
CSA 250	IT Infrastructure	3		
CSA 304	Structured Programming	4		
CSA 321	Python Programming	3		
CSA 327	Database Systems	3		
CSA 351	Project Management	3		
CSA 390	Object-Oriented Programming	3		
CSA 404	Data Structures	4		
CSA 470	Computer Systems Analysis Capstone I	3		
CSA 480	Computer Systems Analysis Capstone II	3		
DIG 200	Media Design and Human Behavior	3		
DIG 250	Web Page Design	3		
TOTAL HOURS FOR MAJOR		42 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## COMPUTER SYSTEMS ANALYSIS MINOR

Professor: L. Webster  
Instructor: C. Cox

Contact: Dr. Linda Webster  
Email: [Linda.Webster@wcmo.edu](mailto:Linda.Webster@wcmo.edu)

A minor in Computer Systems Analysis prepares students to apply programming and systems analysis principles to the selection, implementation, and troubleshooting of customized computer and software installations across the systems development life cycle. The course offerings in Computer Systems Analysis serve minors, majors, as well as students majoring in other fields. The lower-level courses required for the minor present an introduction to software design and information systems infrastructure. A minimum of nine hours of additional upper-level coursework in the discipline is required. If desired, students can emphasize areas of data, programming, or systems analysis through selection of the required electives.

All courses are taught in a computer laboratory setting, permitting experimentation with the practical application of theoretical concepts. Student learning is achieved by applying a problem-based approach focusing on critical thinking, technological understanding, and interpersonal communications.

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

\_\_\_\_\_  
 Advisor Date Minor Declared

Required Courses: 10 hours				
CBR 220	Information Security	3		
CDT 101	Computing Across the Disciplines	1		
CSA 104	Programming Logic and Design	3		
CSA 250	IT Infrastructure	3		
Electives: Students must take a minimum of 9 hours of electives from the following courses:				
CBR 360	Cyber Law and Ethics	3		
CBR 415	Information Security Policy	3		
CSA 304	Structured Programming	4		
CSA 321	Python Programming	3		
CSA 327	Database Systems	3		
CSA 351	Project Management	3		
CSA 390	Object-Oriented Programming	3		
CSA 404	Data Structures	4		
CSA 470	Computer Systems Analysis Capstone I	3		
CSA 480	Computer Systems Analysis Capstone II	3		
	TOTAL HOURS FOR MINOR	19 hrs		

---



## CRIMINAL JUSTICE MINOR

Contact: Dr. Tobias Gibson

Email: [tobias.gibson@westminster-mo.edu](mailto:tobias.gibson@westminster-mo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Criminal Justice Course Descriptions](#)
- [Political Science Course Descriptions](#)
- [Psychology Course Descriptions](#)
- [Spanish Course Descriptions](#)
- [Security Studies Course Descriptions](#)
- [Sociology Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

Advisor	Date Minor Declared
---------	---------------------

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses:</b>				
CRJ 101	Introduction to Criminal Justice	3		
SEC 300	Criminal Law	3		
<b>Electives:</b>				
<i>Students must take four of the following electives. At least two of the electives must be taken in two different departments and at the 300 level or above. Other courses may be accepted based on the approval of the minor coordinator</i>				
PSY 315	Psychology of Personality	3		
PSY 330	Addictive Disorders	3		
PSY 340	Forensic Psychology	3		
PSY 390	Abnormal Psychology	3		
POL 211	American Government and Politics	3		
POL 305	International Law and Organizations	3		
POL 314	American Constitutional Law & Politics	3		
POL 316	American Jurisprudence	3		
POL 370	Drugs, Politics, and Public Policy	3		
SOC 111	Intro to Sociology	3		
<b>or</b> PSY 113	Psychology as a Social Science	3		
SEC 201	Introduction to Security Studies	3		
SEC 312	Terrorism	3		
SOC 332	Prisons and Social Control	3		

Strongly Recommended Courses				
SPA 204	Intermediate Spanish II			
	An internship in a related field			
	TOTAL HOURS FOR MINOR	18 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## CYBERSECURITY MINOR

Professor: L. Webster  
Instructor: C. Cox

Contact: Dr. Linda Webster  
Email: [linda.webster@wcmo.edu](mailto:linda.webster@wcmo.edu)

A minor in Cybersecurity will enhance the skills of students in any discipline by preparing them to be knowledgeable consumers of digital resources and aware of the associated risks. The issue of Cybersecurity is not unique to any one type of organization. Businesses, nonprofit organizations, and governments all face security issues related to computing technology. Social organizations, clubs, and political groups face similar issues. Students who complete a minor in Cybersecurity will be prepared to identify cyber risks to an organization and work with information technology security specialists to protect the digital assets of that organization. All disciplines rely on digital communication, files, and other assets; thus, this program will be relevant to a student in any discipline who is interested in protecting digital assets.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Cyber Security Course Descriptions](#)
- [Security Studies Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

---

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

---

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses:</b>				
CBR 110	Introduction to Cybersecurity	3		
CBR 220	Information Security	3		
CSA 250	IT Infrastructure	3		
CBR 360	Cyber Law and Ethics	3		
CBR 415	Information Security Policy	3		
CBR 470	Cybersecurity Capstone	1		
	3-hour elective course pre-approved by the CBR minor advisor selected from a discipline other than CBR and related to the field of cybersecurity and the capstone project.	3		
<b>TOTAL HOURS FOR MINOR</b>		<b>19 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---

---





## DIGITAL MEDIA MAJOR

Professor: L. Webster  
Instructor: C. Cox

Contact: Dr. Linda Webster  
Email: [Linda.Webster@wcmo.edu](mailto:Linda.Webster@wcmo.edu)

Communication in today's world goes far beyond the traditional hard copy documents or in-person presentations. The last few years have seen a tremendous growth in other forms of digital communication to facilitate increases in distance learning, remote working, online collaboration, etc. Graduates in today's digital world need to understand and be able to effectively communicate using various digital media platforms. This interdisciplinary major will provide students with knowledge, skills, and techniques for effectively managing the digital assets and media platforms of an organization to achieve specific goals, facilitate effective communication, establish a common theme and appearance, and meet specific informational or persuasive goals in order to reach a target audience to inform, persuade, or gain competitive advantage.

Combining courses in the disciplines of business, marketing, English, journalism, and computing technology, this major presents a set of core courses that provide foundational understanding of digital media. Students will then complete the major by choosing courses from a list of upper-level of electives which provide them opportunity to explore each of these disciplines in more depth. By selecting elective courses from discipline specific options, students may earn a concentration in either Writing, Editing, and Design; Digital Marketing; or Digital Content Production. Concentrations within the major are noted on the student's college transcript. Majors must earn a grade of C- or better in all major courses.

This major will serve students who are interested in web design, digital media, digital marketing, technical and web writing, digital journalism, digital content production, and digital content management. It will also serve students in other majors who desire to learn more about digital media or who desire to become a media specialist within their own academic discipline.

Students who complete the Digital Media major are prepared to enter a variety of career paths in business, marketing, communications, media, web management, technical writing, content design, and computing in business, non-profit, and industry organizations. Courses in this major will also support students in other majors or academic disciplines in which digital communication is utilized. Students will also be prepared for a variety of graduate programs in the business, computing, or media disciplines.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- Business Courses
- Computer Systems Analysis Course Descriptions
- Computing and Digital Technology Course Descriptions
- Cybersecurity Course Descriptions
- Digital Media Course Descriptions
- Economics Courses
- English Course Descriptions
- Journalism Course Descriptions
- Marketing Course Descriptions

Major: DIGITAL MEDIA MAJOR

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Core Required Courses:</b>				
CBR 220	Information Security	3		
DIG 2xx	Introduction to Digital Media	3		
DIG 2xx	Graphic Design	3		
DIG 2xx	Media Design and Human Behavior	3		
DIG 250	Web Page Design	3		
DIG 3xx	Social Media and Marketing	3		
DIG 470	Digital Media Capstone I	3		
DIG 480	Digital Media Capstone II	3		
ENG/JMP 265	Technical and Web Writing	3		
	<b>Total Required Courses</b>	<b>27 hrs</b>		
To complete a Digital Media major with no concentration, 15 required elective credit hours selected from approved courses in any of the concentration areas below in addition to the 27 hours of required courses.				
	*			
	*			
	*			
	*			
	*			
	<b>Total Required Elective Hours</b>	<b>15 hrs</b>		
To complete a Digital Media major with a concentration in Writing, Editing, and Design, 15 required elective credit hours selected from approved courses in this concentration in addition to the 27 hours of required courses.				
ENG 248	Foundational Myths and Rebellious Stories	3		
ENG 270	Expository Writing	3		
ENG 275	Introduction to Creative Writing	3		
ENG 355	Gothic Lit	3		
ENG 376	Creative Non-fiction	3		

ENG/JMP 220	Janus and the World of Publishing	3		
ENG/JMP 260	Introduction to Journalism	3		
ENG/JMP 355	Message and the Media	3		
ENG/JMP 380	Introduction to Digital Humanities	3		
	Total Required Elective Hours in the Concentration	15 hrs		
To complete a Digital Media major with a concentration in Digital Marketing, 15 required elective credit hours selected from approved courses in this concentration in addition to the 27 hours of required courses.				
BUS 250	Principles of Marketing	3		
BUS 330	Advertising and Brand Management	3		
BUS 334	Consumer Behavior	3		
BUS 345	Digital Marketing	3		
ECN 355	Research Methods for Business/Social Science	3		
	Total Required Elective Hours in the Concentration	15 hrs		
To complete a Digital Media major with a concentration in Digital Content Production, 15 required elective credit hours selected from approved courses in this concentration in addition to the 27 hours of required courses.				
CSA 351	Project Management	3		
DIG 3xx	Digital Photography	3		
DIG 3xx	Audio Production	3		
DIG 3xx	Video Production	3		
DIG 3xx	Web Development II	3		
DIG 3xx	Search Engine Optimization	3		
	Total Required Elective Hours in the Concentration	15 hrs		
	TOTAL HOURS FOR MAJOR	42 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## DIGITAL MEDIA MINOR

Professor: L. Webster

Instructor: C. Cox

Contact: Dr. Linda Webster

Email: [Linda.Webster@wcmo.edu](mailto:Linda.Webster@wcmo.edu)

Communication in today's world goes far beyond the traditional hard copy documents or in-person presentations. The last few years have seen a tremendous growth in other forms of digital communication to facilitate increases in distance learning, remote working, online collaboration, etc. Graduates in today's digital world need to understand and be able to effectively communicate using various digital media platforms. This interdisciplinary minor will provide students with knowledge, skills, and techniques for effectively designing and creating web and other media sites and preparing digital content.

A minor in Digital Media will support students in any major, academic discipline, or personal interest in which digital communication is utilized. To earn a minor, students must complete 18 hours in the discipline consisting of required and elective courses. The minor skills and knowledge gained through the digital media minor will strengthen the communication skills of students in any career path. Students must earn a grade of C- or better in all minor courses.

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: **DIGITAL MEDIA MINOR**

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
Core Required Courses: Must complete 9 hours from the following list:				
DIG 2xx	Introduction to Digital Media	3		
DIG 2xx	Media Design and Human Behavior	3		
DIG 250	Web Page Design	3		
ECN 355	Research Methods for Business/Social Science Applications	3		
ENG/JMP 220	Janus and the World of Publishing	3		
ENG/JMP 260	Introduction to Journalism	3		
ENG/JMP 265	Technical and Web Writing	3		
Must complete 9 hours from the following list or other approved courses in consultation with the advisor.				
DIG 3XX	Web Development II	3		
DIG 3XX	Social Media and Marketing	3		
DIG 3XX	Digital Photography	3		
DIG 3XX	Video Production	3		
DIG 3XX	Audio Production	3		
DIG 3XX	Search Engine Optimization	3		
DIG 470	Digital Media Capstone I	3		
DIG 480	Digital Media Capstone II	3		
	<b>TOTAL HOURS FOR MINOR</b>	<b>18 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## ECONOMICS MINOR

Contact: Dr. Sonia Manzoor  
Email: [Sonia.manzoor@wcmo.edu](mailto:Sonia.manzoor@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Economics Course Descriptions](#)

ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name	First Name	Middle Initial
Advisor	Date Minor Declared	

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
ECN 211	Principles of Macroeconomics	3		
ECN 212	Principles of Microeconomics	3		
ECN 331	Intermediate Macroeconomic Theory	3		
<b>Economics Electives (6 hours; must include at least one upper-level)</b>				
ECN		3		
ECN		3		
TOTAL HOURS FOR MINOR		15 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---

---





## EDUCATION MAJORS

Early Childhood Education  
Education Curriculum Studies  
Elementary Education  
Health Education K-12  
Middle School Education (Grades 5-9)  
English Language Arts, Mathematics, Science, Social Sciences  
Physical Education: K-12  
Secondary School Education  
Biology, Business, Chemistry, English Language Arts, Mathematics, Social Sciences  
Spanish Education: K-12

Professors: M. Majerus, S. Serota  
Associate Professor: B. Bumgarner (Chair)  
Assistant Professor: T. Ensor, S. Hairston

Contact: Dr. Barri Bumgarner  
Email: [barri.bumgarner@wcmo.edu](mailto:barri.bumgarner@wcmo.edu)

The Westminster College Teacher Education Program is administered by the Department of Elementary and Secondary Education (DESE). The program is designed to promote the life-long learning dispositions the teaching profession demands, as well to provide the depth and breadth of academic and practical knowledge needed for successful beginning teaching. The conceptual framework emphasizes the idea of "the teacher as a reflective practitioner." The faculty draws on research and extensive experience to make course work meaningful and strives to demonstrate attitudes and practice, which serve as examples for students' future classrooms. Students receive personal attention within a learning community that encourages them to develop critical thinking, creative sensibility, and communication arts to share ideas and to understand others as they teach and learn in a global, technological society.

Those who wish to teach will earn a Bachelor of Arts with majors offered in Early Childhood (birth-Grade 3), Elementary (grades 1-6), Middle School (grades 5-9) and Secondary Education (grades 9-12). Secondary content emphasis areas are: Business, Mathematics, Social Studies, Biology, Chemistry, General Science, and English. Two majors cover K-12: Spanish and Physical Education. Middle school majors are encouraged to complete two areas of content concentration selected from English, Science, Social Studies, and Mathematics. Each concentration area consists of at least 24 hours chosen from Mathematics, Social Studies, Science, or English.

The Teacher Education Program is designed so that majors complete a course of study approved by the Department of Elementary and Secondary Education (DESE), which will lead to recommendation for certification in the chosen major and concentration areas. Teacher education preparation experience includes research, observation, demonstration, and participation in local school settings. Students who prepare for a teaching career must meet professional education requirements specified by DESE, as well as the program requirements of Westminster College. Teacher education majors must demonstrate competencies in reading, writing, mathematics, science, and social science.

**Students must be accepted into the Teacher Education Program before taking upper level (300+) professional education courses. Admission criteria are:**

1. Passing scores in all subsets of the Missouri General Education Assessment (MOGEA), if required; required to take while in EDU 290 if ACT score is below 21, if ACT score is below 18, students must get permission to test and enter TEP; send results to Barri Bumgarner.
2. Resume, to be done in EDU 290; send to Barri Bumgarner.
3. Written Teaching Philosophy Document, to be done in EDU 290; send to Barri Bumgarner.
4. Maintain an annual student membership with the Missouri State Teacher Association (MSTA) OR National Education Association (NEA); joined during Practicum 1 (EDU 291); send results to Barri Bumgarner.
5. Register with the Family Care Safety Registry at: [www.health.mo.gov/safety/fcsr](http://www.health.mo.gov/safety/fcsr) during Practicum 1 (EDU 291); must keep this current throughout college career; send results to Barri Bumgarner.

6. Satisfactory Dispositions Checklist from Cooperating Teacher and Professor of Practicum I (EDU 291). (Continues on following page)
7. Letter of Recommendation from an Education Faculty Member.
8. Letter of Recommendation from an Outside Faculty Member.
9. 4-year Plan signed by advisor and sent to Barri Bumgarner.
10. Grade Point Average: 2.75 Overall; 3.00 Education Coursework; 3.0 Content Coursework at the end of sophomore year; for transfer students, GPA will be calculated after one semester of Westminster coursework.
11. Have declared a major in Education.

After entry into the program and before graduation, it is required that students pass a nationally criterion referenced entrance exam to the profession, established by DESE. Completing the national test is part of the certification application process. Students must also obtain a Missouri substitute certificate prior to the student teaching experience.

**Note:** Students must obtain a final grade of C+ or higher in each professional education course and maintain a GPA of 3.0 in all professional education courses. Students are not allowed to have grades below C in their content area concentrations and they must have a 3.0 in their chosen concentration to be recommended for certification. No more than two (2) grades of D in the general education courses required for graduation are acceptable and students are encouraged to retake courses in which they receive grades of D.

**Prior to student teaching, the pre-service teacher must:**

1. Previously been admitted into the Teacher Education Program (TEP).
2. Pass the content exam within the first three attempts relative to the pre-service teacher's certification area.
3. Hold a valid Missouri substitute-teaching certificate (renewable).
4. Maintain a 3.0 education GPA, 3.0 Content GPA, and an overall 2.75 GPA.
5. Maintain a student membership in the Missouri State Teacher's Association or National Education Association.
6. Provide a formal request to student teach at least one semester prior to the intended student teaching experience sent to Barri Bumgarner. The request must be received one full semester prior to the intended student teaching experience. The request should indicate a school or a teacher if applicable. NOTE: Student teaching is required for certification.

It is important to contact faculty in the Teacher Education Program for guidance in scheduling courses. Course advising is also available in MyWC.

Policy regarding student teaching: Students enrolling in EDU 492 Student Teaching: Elementary; EDU 495 Student Teaching: Middle School; and EDU 497 Student Teaching: Secondary who are members of collegiate sports teams should a) plan to student teach during a semester in which their sport is not played, b) after their eligibility has expired, or c) during a semester in which they choose not to play.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Education Course Descriptions](#)
- [Psychology Course Descriptions](#)
- [Math Course Descriptions](#)
- [Speech Course Descriptions](#)

Major: **EARLY CHILDHOOD EDUCATION**

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Core Early Childhood Education Courses</b>				
EDU 101	Introduction to Teaching	1		
EDU 207	Health, Safety, and PE	3		
EDU 210	Literature for Children	3		
EDU 221	Education Psychology	3		
EDU 230	Child and Adolescent Growth and Development	3		
EDU 231	Education of Exceptional Individuals	3		
EDU 260	Emergent Literacy	3		
EDU 280	Programs/Integrated Early Childhood Education	3		
EDU 290	Foundations of Education	3		
EDU 291	Education Practicum I	2		
EDU 295	Place-Based and Service Learning: Education in the Community & the Classroom	4		
EDU 306	Teaching Reading	3		
EDU 307	Teaching STEAM in 21 <sup>st</sup> Century Classroom	4		
EDU 308	Methods of Teaching Social Studies in Elementary and Middle Schools	3		
EDU 309	Teaching Writing	3		
EDU 350	Teaching Digital Literacy	3		
EDU 385	Diversity in Education	3		
EDU 392	Reading and Writing in Content Area	3		
EDU 393	Education Practicum II	3		
EDU 417	Advanced Practicum	1-6		
EDU 441	Reading Assessment and Advancement			
EDU 453	Classroom Organization and Management	3		
EDU 490	Education Seminar	3		
EDU 492	Student Teaching: Elementary School	12		
PSY 113	Psychology as a Social Science	3		
MAT 231	Mathematics for Elementary and Middle School	3		
MAT 351	Methods of Teaching Elem./Middle Sch. Math	3		
	<b>TOTAL HOURS FOR MAJOR</b>	<b>84-89 hrs</b>		
<b>Recommended Courses to take to prepare you as a future teacher</b>				
SPE 101	Intro to Speech	3		
<b>Suggested Courses to take to prepare you for the content assessment</b>				
	US Government			

	US History			
	Geography			
	Economics			
<b>Notes</b>				
EDU 490 and EDU 492 are taken concurrently the last semester of study. Students must be admitted in Teacher Education program to enroll in 300 level education courses. Students must pass the Missouri Content Exam prior to student teaching. Students must maintain a 3.0 GPA				

If any substitutions or waivers of requirements are allowed, please list below and initial.



## EDUCATION MAJORS

Education Curriculum Studies

Professors: M. Majerus, S. Serota  
Associate Professor: B. Bumgarner (Chair)  
Assistant Professor: T. Ensor, S. Hairston

Contact: Dr. Barri Bumgarner  
Email: [barri.bumgarner@wcmo.edu](mailto:barri.bumgarner@wcmo.edu)

Please refer to the [Education Major Information page](#) of the Campus Catalog for complete Education major information.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Education Course Descriptions](#)
- [Health and Exercise Science Course Descriptions](#)
- [Psychology Course Descriptions](#)
- [Math Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: EDUCATION CURRICULUM STUDIES

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Completed	Semester Completed	Grade
<b>Required Courses (25 hrs):</b>				
EDU 101	Introduction to Teaching	1		
EDU/PSY 221	Educational Psychology	3		
EDU 230	Child & Adolescent Growth & Development	3		
EDU 231	Education of Exceptional Individuals	3		
EDU 290	Foundations of Education	3		
EDU 295	Place-Based and Service Learning: Education in the Community & the Classroom	4		
EDU 306	Teaching Reading in Elementary/MS	3		
EDU 350	Teaching of Digital Literacy	3		
EDU 385	Diversity in Education	3		
EDU 392	Reading/Writing in Content Areas	3		
A minimum of 18 hours chosen from the following courses, choosing one focus area of ECE, ELEM, Middle School, PE, or Secondary (see the majors document to align with – meet with advisor to determine best sequence/and to determine focus area):				
<b>ECE/ELEM ED</b>				
EDU/HES 207	Health, Nutrition & Safety	3		
EDU 210	Literature of Children and Youth	3		
*EDU 308	Methods of Teaching Social Studies in	3		
*EDU 309	Teaching Writing in Middle and Secondary Schools	3		
*EDU 307	Teaching STEAM in 21 <sup>st</sup> Century Classrooms	4		
EDU 441	Reading Assessment & Advancement	3		
*MAT 231	Math for Elementary & MS Teachers	3		
*MAT 351	Methods of Teaching Elem. & MS Math	3		
*Middle School as				
<b>Middle/Secondary</b>				
EDU/HES 206	Growth & Development in PE for Elementary	3		
EDU 320	Teaching Middle School: Curriculum & Philosophy of Teaching Middle School	4		
EDU 425	Methods of Secondary Teaching	3		
EDU 431	English in Secondary/Middle Schools	3		
EDU 434	Teaching Physical Education in MS and	3		
EDU 435	Social Studies in MS and Secondary	3		
EDU 453	Classroom Management and Organization	3		



	TOTAL HOURS FOR MAJOR	43 hrs		
--	-----------------------	--------	--	--

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## EDUCATION MAJORS

### Elementary Education

Professors: M. Majerus, S. Serota

Associate Professor: B. Bumgarner (Chair)

Assistant Professor: T. Ensor, S. Hairston

Contact: Dr. Barri Bumgarner

Email: [barri.bumgarner@wcmo.edu](mailto:barri.bumgarner@wcmo.edu)

Please refer to the [Education Major Information page](#) of the Campus Catalog for complete Education major information.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Education Course Descriptions](#)
- [Psychology Course Descriptions](#)
- [Math Course Descriptions](#)
- [Speech Course Descriptions](#)

Major: ELEMENTARY EDUCATION

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Core Early Childhood Education Courses</b>				
EDU 101	Introduction to Teaching	1		
EDU 207	Health, Safety, and PE	3		
EDU 210	Literature for Children	3		
EDU 221	Education Psychology	3		
EDU 230	Child and Adolescent Growth and Development	3		
EDU 231	Education of Exceptional Individuals	3		
EDU 260	Emergent Literacy	3		
EDU 290	Foundations of Education	3		
EDU 291	Education Practicum I	2		
EDU 295	Place-Based and Service Learning: Education in the Community & the Classroom	4		
EDU 306	Teaching Reading	3		
EDU 307	Teaching STEAM in 21 <sup>st</sup> Century Classrooms	4		
EDU 308	Methods of Teaching Social Studies in Elementary and Middle Schools	3		
EDU 309	Teaching Writing	3		
EDU 320	Teaching Middle School: Curriculum & Philosophy of Teaching the Middle Years	4		
EDU 350	Teaching Digital Literacy	3		
EDU 385	Diversity in Education	3		
EDU 392	Reading and Writing in Content Area	3		
EDU 393	Education Practicum II	3		
EDU 417	Advanced Practicum	1-6		
EDU 441	Reading Assessment and Advancement	3		
EDU 453	Classroom Organization and Management	3		
EDU 490	Education Seminar	3		
EDU 492	Student Teaching: Elementary School	12		
MAT 231	Mathematics for Elementary and Middle School	3		
MAT 351	Methods of Teaching Elem./Middle Sch. Math	3		
	<b>TOTAL HOURS FOR MAJOR</b>	<b>81-86 hrs</b>		
<b>Recommended Courses to take to prepare you as a future teacher</b>				
SPE 101	Intro to Speech	3		
PSY 113	Psychology as a Social Science	3		

Suggested Courses to take to prepare you for the content assessment				
	US Government			
	US History			
	Geography			
	Economics			
	Social Psychology			
	Introduction to Physics			
<b>Notes</b>				
EDU 490 and EDU 492 are taken concurrently the last semester of study. Students must be admitted in Teacher Education program to enroll in 300 level education courses. Students must pass the Missouri Content Exam prior to student teaching. Students must maintain a 3.0 GPA				

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## EDUCATION MAJORS

Health Education K-12

Professors: M. Majerus, S. Serota

Associate Professor: B. Bumgarner (Chair)

Assistant Professor: T. Ensor, S. Hairston

Contact: Dr. Barri Bumgarner

Email: [barri.bumgarner@wcmo.edu](mailto:barri.bumgarner@wcmo.edu)

The goal of certification in K-12 Health Education is to facilitate students' understanding of the central concepts, structures, and tools of inquiry of the discipline(s) and how to create learning experiences that make these aspects of subject matter meaningful and engaging for all students. Students will also understand how individuals learn, develop, and differ in their approaches to learning, understand how to adapt to diverse learners, recognize the importance of long-range planning and curriculum development, and how to implement and evaluate standards-based curriculum.

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: HEALTH EDUCATION K-12

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
EDU 101	Introduction to Teaching	1		
EDU/PSY 221	Educational Psychology	3		
EDU 230	Child and Adolescent Growth and Development	3		
EDU 231	Education of the Exceptional Child	3		
EDU 290	Foundations of Education	3		
EDU 291	Education Practicum I	2		
EDU 306	Teaching Reading	3		
EDU 385	Diversity in Education	3		
EDU 392	Reading/Writing in the Content Area	3		
EDU 393	Practicum II	2		
EDU 453	Classroom Organization and Management	3		
EDU 490	Education Seminar	3		
EDU 492/495/ 497	Student Teaching	12		
Total EDU Hours		44 hrs		
HES 102	Methods of Teaching Health	3		
HES 104	First Aid/CPR	1		
HES 204	Fitness and Wellness Concepts	3		
HES 205	Stress Management	3		
HES 207	Health Education	3		
HES/PSY 231	Sports Psychology	3		
HES 232	Care and Prevention of Athletic Injuries	3		
HES 251	Introduction to Nutrition	3		
HES 300	Community Health	3		
HES 321	Kinesiology	3		
HES 340	Exercise Physiology	3		
HES 350	Adapted PE	3		
Total HES Hours		34 hrs		
NSC 210	Anatomy and Physiology I	4		
PED 206	Teaching PE	3		
PSY/WGS 301	Human Sexual Behavior	3		
Total Other Course Hours		10 hrs		
TOTAL HOURS FOR MAJOR		88 hrs		
Optional				
EDU 295	Place-Based and Service Learning	3		

If any substitutions or waivers of requirements are allowed, please list below and initial.





## EDUCATION MAJORS

Middle School Education (Grades 5-9)

English Language Arts, Mathematics, Science, Social Sciences

Professors: M. Majerus, S. Serota

Associate Professor: B. Bumgarner (Chair)

Assistant Professor: T. Ensor, S. Hairston

Contact: Dr. Barri Bumgarner

Email: [barri.bumgarner@wcmo.edu](mailto:barri.bumgarner@wcmo.edu)

Please refer to the [Education Major Information page](#) of the Campus Catalog for complete Education major information.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Biology Course Descriptions](#)
- [Chemistry Course Descriptions](#)
- [Computer Science Course Descriptions](#)
- [Education Course Descriptions](#)
- [English Course Descriptions](#)
- [Environmental Science Course Descriptions](#)
- [Geology Course Descriptions](#)
- [History Course Descriptions](#)
- [Natural Science Course Descriptions](#)
- [Physics Course Descriptions](#)
- [Political Course Descriptions](#)
- [Psychology Course Descriptions](#)
- [Math Course Descriptions](#)
- [Sociology Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: MIDDLE SCHOOL EDUCATION

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Core Middle School Education Courses</b>				
EDU 101	Introduction to Teaching	1		
EDU 221	Education Psychology	3		
EDU 230	Child and Adolescent Growth & Development	3		
EDU 231	Education of Exceptional Individuals	3		
EDU 290	Foundations of Education	3		
EDU 291	Education Practicum I	2		
EDU 306	Teaching Reading	3		
EDU 309	Teaching Writing	3		
EDU 320	Teaching Middle School: Curriculum & Philosophy of Teaching the Middle Years	4		
EDU 350	Digital Literacy	3		
EDU 385	Diversity in Education	3		
EDU 392	Reading & Writing in Content Area	3		
EDU 393	Education Practicum II	2		
EDU 417	Advanced Practicum	1-6		
EDU 425	Secondary School Teaching	3		
EDU 453	Classroom Organization and Management	3		
EDU 490	Educational Seminar	3		
EDU 495	Student Teaching: Middle School	12		
	<b>Total Core Middle School Education Courses</b>	<b>58-63 hrs</b>		
<b>Additional Content Coursework</b>				
<b>English Language Arts (37 hrs)</b>				
EDU 210	Literature for Children and Youth	3		
EDU 295	Place-Based and Service Learning: Education in the Community & the Classroom	4		
EDU 431	Teaching English in Middle/Secondary Schools	3		
EDU 441	Reading Assessment and Advancement	3		
ENG 103	Academic Writing	3		
ENG 204	Introduction to Literature	3		
ENG 238	American Literature to the Civil War	3		
<b>or</b> ENG 239	American Literature since the Civil War	3		
ENG 248	World Literature to 1800	3		
<b>or</b> ENG 249	World Literature since 1800	3		
ENG 270	Expository Writing	3		
ENG 275	Introduction to Creative Writing	3		

<b>Science (36 hrs)</b>				
EDU 295	Place-Based and Service Learning: Education in the Community & the Classroom	4		
EDU 307	Teaching STEAM in 21 <sup>st</sup> Century Classroom	4		
EDU 436	Teaching Science in Middle/Secondary	3		
ENV 105	Introduction to Environmental Science	3		
NSC 305	History of Science	3		
CHM 114/115	General Chemistry I/Lab	4		
GEO 108	Introduction to Physical Geology	4		
or GEO 110	Earth Systems	4		
PHY 105	Introduction to Physics	3		
BIO 124/125	Biodiversity/Lab	4		
NSC 210	Anatomy and Physiology I	4		
<b>Mathematics (30 hrs)</b>				
<i>Additional Required Courses for Mathematics Concentration</i>				
MAT 231	Mathematics for Elementary & Middle School Teachers	3		
MAT 351	Methods of Teaching ELE and MS Mathematics	3		
<i>Total of 24 hours from the following options</i>				
MAT 114	Elementary Statistics	3		
MAT 121	Pre-Calculus	3		
MAT 124	Calculus I	5		
MAT 214	Calculus II	4		
MAT 224	Calculus III	4		
MAT 305	Heart of Mathematics	3		
MAT 310	History of Mathematics	3		
MAT 313	Probability and Statistics	3		
MAT 314	Higher Geometry	3		
MAT 215	Linear Algebra	3		
CSA 104	Programming Logic and Design	3		
<b>Social Science (31 hrs)</b>				
<i>Additional Required Courses</i>				
EDU 295	Place-Based and Service Learning: Education in the Community & the Classroom	4		
EDU 435	Methods of Teaching SS in Middle/Secondary	3		
HIS 103	History of the United States to 1877	3		
HIS 104	History of the U.S. Since 1877	3		
HIS 109	World History I	3		
HIS 110	World History II	3		
<i>Combination of Courses to equal at least 12 hours</i>				
ECN 110	Introduction to Economics	3		
HIS 390	Historiography	3		
POL 112	Introduction to Political Science	3		
POL 211	American Government & Politics	3		
POL 212	Introduction to International Relations	3		
PSY 112	Psychology as a Natural Science	3		
PSY 113	Psychology as a Social Science	3		
SOC 111	Introduction to Sociology	3		
<b>TOTAL HOURS FOR MAJOR</b>		<b>88-100 hrs</b>		



## EDUCATION MAJORS

Physical Education: K-12

Professors: T. Miller, M. Majerus, S. Serota.  
Associate Professor: B. Bumgarner (Chair)  
Assistant Professor: T. Ensor, A. Gowin, S. Hairston  
P.E. Coordinator: C. Epperson

Contact: Dr. Barri Bumgarner  
Email: [barri.bumgarner@wcmo.edu](mailto:barri.bumgarner@wcmo.edu)

Please refer to the [Education Major Information page](#) of the Campus Catalog for complete Education major information.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Biology Course Descriptions](#)
- [Education Course Descriptions](#)
- [Health and Exercise Science Course Descriptions](#)
- [Physical Education Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: PHYSICAL EDUCATION K-12

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Core Physical Education Courses:</b>				
EDU 101	Introduction to Teaching	1		
EDU 221	Education Psychology	3		
EDU 230	Child and Adolescent Growth & Development	3		
EDU 231	Education of Exceptional Individuals	3		
EDU 290	Foundations of Education	3		
EDU 291	Education Practicum I	2		
EDU 385	Diversity in Education	3		
EDU 392	Reading and Writing in Content Area	3		
EDU 393	Education Practicum II	2		
EDU 453	Classroom Organization & Management	3		
EDU 490	Education Seminar	3		
EDU 492	Student Teaching 1 <sup>st</sup> – 5 <sup>th</sup>	12		
or EDU 495	Student Teaching 5 <sup>th</sup> – 9 <sup>th</sup>	12		
or EDU 497	Student Teaching 9 <sup>th</sup> – 12 <sup>th</sup>	12		
	<b>Total Core Hours</b>	<b>41 hrs</b>		
<b>Methods of Teaching Courses:</b>				
HES/EDU 206	Elementary Methods of PE	3		
HES/EDU 434	Middle School/Secondary PE Methods Technology Integration in Methods Courses	3		
<b>Physical Education Content Area:</b>				
NSC 210	Anatomy and Physiology I	4		
HES 104	First Aid/CPR	1		
HES 204	Fitness and Wellness Concepts	3		
HES/EDU 207	Health, Nutrition & Safety	3		
HES 215	Motor Learning	2		
HES 220	Social Science in Sport	2		
HES 231	Sports Psychology	3		
HES 251	Intro to Nutrition	3		
HES 309	History and Philosophy of P.E.	2		
HES 321	Kinesiology	3		
HES 340	Exercise Physiology	3		

HES 350	Adapted Physical Education	3		
HES 405	Measurement & Evaluation in PE	2		
PED Axx	Fitness Activity (1 Course) Options: A10 Weight Training, A12 Walk/Jog, A87 Aquatic Fitness	1		
PED Axx	Lifetime Activities and Dance (3 Activity Courses) Options: A9 Bowling, A11 Recreational Swimming, A15 Yoga, A16 Aerobics	3		
PED Axx	Team and Individual Sports (3 Activity Courses) Options: A19 Golf, A21 Tumbling, A37 Tennis, A44 Team Sports, A45 Individual Sports	3		
PED 208	Creative Movement, Games & Rhythm	3		
	<b>TOTAL HOURS FOR MAJOR</b>	<b>91 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## EDUCATION MAJORS

### Secondary School Education

Biology, Business, Chemistry, English Language Arts, Mathematics, Social Studies

Professors: M. Majerus, S. Serota

Associate Professor: B. Bumgarner (Chair)

Assistant Professor: T. Ensor, S. Hairston

Contact: Dr. Barri Bumgarner

Email: [barri.bumgarner@wcmo.edu](mailto:barri.bumgarner@wcmo.edu)

Please refer to the [Education Major Information page](#) of the Campus Catalog for complete Education major information.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Accounting Course Descriptions](#)
- [Biology Course Descriptions](#)
- [Business Course Descriptions](#)
- [Chemistry Course Descriptions](#)
- [Computer Science Course Descriptions](#)
- [Economics Course Descriptions](#)
- [Education Course Descriptions](#)
- [English Course Descriptions](#)
- [Environmental Science Course Descriptions](#)
- [Geography Course Descriptions](#)
- [Geology Course Descriptions](#)
- [History Course Descriptions](#)
- [Math Course Descriptions](#)
- [Physics Course Descriptions](#)
- [Political Science Course Descriptions](#)
- [Psychology Course Descriptions](#)
- [Sociology Course Descriptions](#)



Major: SECONDARY EDUCATION

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Core Secondary Courses</b>				
EDU 101	Introduction to Teaching	1		
EDU 221	Education Psychology	3		
EDU 230	Child and Adolescent Growth & Development	3		
EDU 231	Education of Exceptional Individuals	3		
EDU 290	Foundations of Education	3		
EDU 291	Education Practicum I	2		
EDU 306	Teaching Reading	3		
EDU 350	Digital Literacy	3		
EDU 385	Diversity in Education	3		
EDU 392	Reading & Writing in Content Area	3		
EDU 393	Education Practicum II	2		
EDU 417	Advanced Practicum	3		
EDU 425	Middle/Secondary School Teaching	3		
EDU 435	Teaching Social Studies	3		
or EDU 436	Methods of Teaching Science/Secondary	3		
EDU 453	Classroom Organization Management	3		
EDU 490	Education Seminar	3		
EDU 497	Student Teaching in High School	12		
	<b>Total Core Course Hours</b>	<b>56 hrs</b>		
<b>Content</b>				
BIO 114/115	Biological Processes/Lab	4		
BIO 124/125	Biodiversity/Lab	4		
BIO 201	Introduction to Evolution	3		
or BIO 450	Evolution	3		
BIO 302	Human Anatomy	4		
or BIO 204	Animal Behavior	4		
or BIO 205	Ecology & Field Biology	4		
or BIO 208	Functional Plant Morphology	4		
or BIO 305	Medical Terminology	1		
or BIO 315	Entomology	4		
or BIO 318	Ornithology	4		
or BIO 322	Vertebrate Biology	4		

<u>or</u> BIO 345	Forest Resources & Management	4		
<u>or</u> BIO 370	Physiology	4		
BIO 301	Genetics	4		
BIO 325	Molecular Cell Biology	3		
CHM 114/115	General Chemistry I w/Lab	4		
EDU 307	Teaching STEAM in 21 <sup>st</sup> Century Classrooms	4		
PHY 105	Introduction to Physics	3		
GEO 108	Physical Geology	4		
<u>or</u> GEO 110	Earth Systems	4		
<u>or</u> GEO 116	Environmental Geology	4		
<u>or</u> ENV 105	Intro to Environmental Science	4		
<b>Content Courses: Secondary Business (42 hrs)</b>				
EDU 398	Methods of Teaching Business	3		
EDU 399	Internship	3		
ACC 215	Principles of Financial Accounting	3		
ACC 216	Principles of Managerial Accounting	3		
BUS 220	Fundamentals of Management	3		
BUS 223	Business Law	3		
BUS 250	Principles of Marketing	3		
CSA 104	Programming Logic and Design	3		
DIG 250	Webpage Design	3		
ECN 211	Macroeconomics	3		
ECN 212	Microeconomics	3		
EDU 370	Business Educational Implementation Programs	3		
SPE 310	Business and Professional Communications	3		
BUS 221	Cross Cultural Management	3		
<u>or</u> BUS 326	Human Resource Management	3		
<u>or</u> ACC 399	Tax Season/Data Management	3		
<b>Content Courses: Secondary Chemistry (47-48 hrs)</b>				
EDU 320	Teaching Middle School: Curriculum & Philosophy of Teaching the Middle Years	4		
CHM 114/115	General Chemistry I w/ lab	4		
CHM 124/125	General Chemistry II w/ lab	4		
CHM 314/315	Organic Chemistry I w/ lab	4		
CHM 324/325	Organic Chemistry II w/ lab	4		
CHM 334/335	Analytical Chemistry I w/ lab	4		
CHM 424/425	Physical Chemistry I w/ lab	4		
BIO 404	Biochemistry	4		
BIO 114/115	Biological Process w/ lab	4		
BIO 124/125	Biodiversity w/ lab	4		
PHY 105	Introduction to Physics	3		

<u>or</u> PHY 201	Physics I	4		
GEO 108	Physical Geology	4		
<u>or</u> GEO 110	Earth Systems	4		
<u>or</u> ENV 105	Introduction to Environmental Science	4		
<b>Content Courses: English Language Arts (33 hrs)</b>				
EDU 210	Literature for Children and Youth	3		
EDU 309	Teaching of Writing in Middle and Secondary	3		
EDU 431	Teaching English in Middle and Secondary	3		
ENG 103	Academic Writing	3		
ENG 238	American Literature to Civil War	3		
<u>or</u> ENG 239	American Literature since Civil War	3		
ENG 270	Expository Writing	3		
ENG 275	Introduction to Creative Writing	3		
ENG 345	Ethnic Literature	3		
<i>Two of the following courses:</i>		3		
ENG 248	World Literature to 1600	3		
ENG 249	World Literature since 1600	3		
ENG 205	Topics in British Literature to 1800	3		
ENG 206	British Literature since 1800	3		
ENG xxx	Various rotating or new literature courses	3		
<i>One of the following courses:</i>				
ENG 315	Literary Modules and Genres	3		
ENG 325	Literary Movements	3		
ENG 330	Visions and Revisions	3		
ENG 335	A Sense of Place	3		
ENG 340	Gender and Literary Expression	3		
ENG 350	Studies in the Author	3		
<b>Content Courses: Mathematics (40 hrs)</b>				
EDU 320	Teaching Middle School: Curriculum & Philosophy of Teaching the Middle Years	3		
EDU 433	Teaching Math in MS and Secondary	3		
CSA 104	Programming Logic and Design	3		
MAT 124	Calculus I	3		
MAT 214	Calculus II	3		
MAT 215	Linear Algebra	3		
MAT 224	Calculus III	3		
MAT 314	Higher Geometry	3		
MAT 422	Modern Algebra	3		

<i>Additional Math Courses (Minimum 12 hours from the following courses)</i>				
MAT 310	History of Mathematics	3		
MAT 424	Advanced Calculus	3		
MAT 313	Mathematical Probability and Statistics	3		
MAT 305	Heart of Mathematics	3		
MAT 331	Mathematics Seminar	3		
CSC 111	Fundamentals of Computer Science	3		

<b>Content Courses: Social Studies (45 hrs)</b>				
HIS 103	History of the US to 1877	3		
HIS 104	History of the US since 1877	3		
HIS 109	World History I	3		
HIS 110	World History II	3		
HIS 335	FDR and Reagan	3		
<b>or</b>	The Nineties	3		
<b>or</b>	Conspiracy Theories	3		
<b>or</b>	Civil Rights on Film	3		
<b>or</b>	Other Topic-Specific History Course	3		
POL 112	Introduction to Political Science	3		
POL 211	American Government and Politics	3		
ECN 110	Introduction to Economics	3		
GOG 101	Introduction to Geography	3		
PSY 112	Psychology as a Natural Science	3		
<b>or PSY 113</b>	Psychology as a Social Science	3		
SOC 111	Introduction to Sociology	3		

<i>Six hours from the following courses</i>					
HIS 300	Museum Studies/History for Public/U.S. For Pol	3			
HIS 340	U.S. Foreign Policy in the Middle East or History of the CIA or Cold War or Other Topic-Specific History Courses	3			
HIS 350	Medieval Pilgrimages or Vikings	3			
HIS 360	WWI and Versailles or Deviant and Degenerate Art or Other Topic-Specific History Courses	3			
HIS 390	Historical Methods	3			
	<b>TOTAL HOURS FOR MAJOR</b>	<b>89-104 hrs</b>			

We highly recommend future teachers to take: SPE 101 Intro to Speech  
EDU 490 and EDU 497 are taken concurrently the last semester of study.  
Students must be admitted into the Teacher Education Program prior to enrolling in 300 level courses.  
Students must pass the Missouri Content Exam prior to student teaching.  
Students must maintain a 3.0 GPA in education and content area, as well as a 2.75 cumulative GPA.



## EDUCATION MAJORS

Spanish Education: K-12

Professors: M. Majerus, S. Serota

Associate Professor: B. Bumgarner (Chair)

Assistant Professor: T. Ensor, S. Hairston

Contact: Dr. Barri Bumgarner

Email: [barri.bumgarner@wcmo.edu](mailto:barri.bumgarner@wcmo.edu)

Please refer to the [Education Major Information page](#) of the Campus Catalog for complete Education major information.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Education Course Descriptions](#)
- [Spanish Course Descriptions](#)

Major: SPANISH EDUCATION K-12

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Core World Language Education Coursework:</b>				
EDU 101	Introduction to Teaching	1		
EDU 221	Education Psychology	3		
EDU 230	Child and Adolescent Growth & Development	3		
EDU 231	Education of Exceptional Individuals	3		
EDU 290	Foundations of Education	3		
EDU 291	Education Practicum I	2		
EDU 306	Teaching Reading/Literacy	3		
EDU 350	Digital Literacy	3		
EDU 385	Diversity in Education	3		
EDU 392	Reading & Writing in Content Area	3		
EDU 393	Education Practicum II	2		
EDU 417	Advanced Practicum	3		
<u>or</u> EDU 425	Secondary School Teaching	3		
EDU 437	Methods of Teaching a Foreign Language	3		
EDU 453	Classroom Organization Management	3		
EDU 490	Education Seminar	3		
EDU 492	Student Teaching 1 <sup>st</sup> -5 <sup>th</sup>	12		
<u>or</u> EDU 495	Student Teaching 5 <sup>th</sup> -9 <sup>th</sup>	12		
<u>or</u> EDU 497	Student Teaching 9 <sup>th</sup> -12 <sup>th</sup>	12		
	<b>Total Core Course Hours</b>	<b>53 hrs</b>		
<b>Content Courses:</b>				
SPA 103	Accelerated Elementary Spanish	3		
<u>or</u> SPA 101 & 102	Introduction to Spanish I & II	3		
SPA 203	Intermediate Spanish I	3		
SPA 204	Intermediate Spanish II	3		
SPA 303	Advanced Spanish Conversation	3		
SPA 351	Introduction to Spanish Literature I	3		
SPA 353	19 <sup>th</sup> and 20 <sup>th</sup> Century Latin Am. Lit.	3		
SPA 363	Spanish-American Novel	3		
SPA 377	Spanish Civilization	3		
SPA 378	Latin American Civilization	3		
SPA 381	Advanced Grammar & Composition	3		

	TOTAL HOURS FOR MAJOR	83 hrs		
--	-----------------------	--------	--	--

EDU 490 and EDU 495/497 are taken concurrently the last semester of study.  
 Students must be admitted in Teacher Education Program to enroll in 300 level education courses.  
 Students must pass the Missouri Content Exam prior to student teaching.  
 Students must maintain a 3.0 GPA in education and content area, and a 2.75 GPA overall.

If any substitutions or waivers of requirements are allowed, please list below and initial.





## EDUCATION MINOR

Contact: Dr. Barri Bumgarner  
Email: [barri.bumgarner@wcmo.edu](mailto:barri.bumgarner@wcmo.edu)

The goal of the minor in education is to facilitate students' understanding of the central concepts, structures, and tools of inquiry of the discipline(s) and how to create learning experiences that make these aspects of subject matter meaningful and engaging for all students. Students will also understand how individuals learn, develop, and differ in their approaches to learning, understand how to adapt to diverse learners, recognize the importance of long-range planning and curriculum development, and how to implement and evaluate standards-based curriculum.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Education Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

---

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

---

Advisor	Date Minor Declared
---------	---------------------

---

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
EDU 101	Introduction to Teaching	1		
EDU 231	Education of Exceptional Individuals	3		
EDU 290	Foundations of Education	3		
EDU 350	Digital Literacy	3		
EDU 385	Diversity	3		
EDU 392	Reading in the Content Area	3		
<b>Elective Courses (6 hours required)</b>				
EDU/PSY 221	Educational Psychology	3		
EDU 230	Child and Adolescent Growth & Development	3		
EDU 306	Teaching Reading for Elementary Teaching	3		
EDU 307	Teaching STEAM in 21 <sup>st</sup> Century Classrooms	4		
EDU 308	Methods of Teaching Social Studies in Elementary and Middle Schools	3		
EDU 309	Teaching Writing	3		
EDU 320	Teaching Middle School: Curriculum & Philosophy of Teaching the Middle Years	4		
EDU 425	Secondary School Teaching	3		
EDU 434	Methods of Teaching PE in Secondary	3		
EDU 435	Methods of Teaching Social Studies	3		
EDU 436	Methods of Teaching Science/Secondary	3		
EDU 453	Classroom Management & Organization	3		
	Methods of Teaching Science/Secondary	3		

	TOTAL HOURS FOR MINOR	22 hrs		
--	-----------------------	--------	--	--

If any substitutions or waivers of requirements are allowed, please list below and initial.



## ENGLISH MAJORS

Creative Writing  
English Education  
English Literature  
English (without an area of emphasis)

Professors: T. Adams, C. Perry  
Associate Professor: H. LaVine, N. Leonard  
Assistant Professor: J. Reed

Contact: Dr. Theresa Adams  
Email: [Theresa.adams@wcmo.edu](mailto:Theresa.adams@wcmo.edu)

The Department of English Language and Literature offers a major program of study leading to a Bachelor of Arts in English, as well as a minor program of study in English. Lower-level courses in the department support the college's General Education Program. By studying British, American, and world literatures, students who major or minor in English learn to read closely, to think critically, and to write clearly. English majors may pursue one of three areas of emphasis, literary criticism, creative writing or English education, or choose a degree without an area of emphasis. Students who meet the requirements are invited to complete an Honors Sequence in their area of emphasis. A major in English provides a solid foundation for the business world, law school, journalism, education, or graduate study in any field.

***To be eligible for the Honors Sequence, a student must:***

1. Have an overall grade point average of no less than 3.25
2. Have an English grade point average of no less than 3.5
3. Have received a "B-" or better in ENG 290: Introduction to Literary Studies: Critical Approaches and Research Methods.

**All Tracks:** **\*\*Majors** must select at least one course each from: Literature before 1850, Literature after 1850, American Literature, British/World Literature.

All English majors must earn a grade of C- or better in all courses used to satisfy major requirements.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [English Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: ENGLISH CREATIVE WRITING

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses:</b>				
<b>200-level Literature Courses (6 hrs.):</b>				
ENG 205	Topics in British Literature to 1800	3		
ENG 206	British Literature since 1800	3		
ENG 238	American Literature to the Civil War	3		
ENG 239	American Literature since the Civil War	3		
ENG 248	Topics in World Literature to 1800	3		
ENG 249	World Literature since 1800	3		
<b>200-level Writing/Theory Courses (9 hrs.):</b>				
ENG/JMP 220	Janus & The World of Publishing	3		
ENG 275	Introduction to Creative Writing	3		
ENG 290	Introduction to Literary Studies: Critical Approaches and Research Methods	3		
<b>300-and 400-level Writing/Literature Courses (15 hrs.):</b>				
<b>THREE of the following:</b>				
ENG 372	Creative Writing Fiction	3		
ENG 374	Creative Writing Poetry	3		
ENG 376	Creative Writing Nonfiction	3		
ENG/THE 378	Playwriting	3		
<b>TWO of the following:</b>				
ENG 315	Literary Modes and Genres	3		
ENG 325	Literary Movements	3		
ENG 330	Literary Visions and Revisions	3		
ENG 335	A Sense of Place	3		
ENG 340	Gender and Literary Expression	3		
ENG 345	Ethnic Literature	3		
ENG 350	Studies in the Author	3		
ENG 355	Literature and the Other Arts	3		
<b>Electives (6 hours):</b>				
	*	3		
	*	3		
<i>May Include:</i>				
ENG 420	Honors Project I	3		
ENG 430	Honors Project II	3		
<b>TOTAL HOURS FOR MAJOR</b>		<b>36 hrs</b>		

*Majors must select at least one course each from Literature before 1850, Literature after 1850, American Literature, and British/World Literature.*

If any substitutions or waivers of requirements are allowed, please list below and initial.

---

---



## ENGLISH MAJORS

English Education

Professors: T. Adams, C. Perry

Associate Professors: H. LaVine, N. Leonard

Assistant Professor: J. Reed

Contact: Dr. Theresa Adams

Email: [Theresa.adams@wcmo.edu](mailto:Theresa.adams@wcmo.edu)

Please refer to the [English Major Information Page](#) of the Campus Catalog for complete English major information.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [English Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: ENGLISH EDUCATION

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
Required Courses:				
200-level Literature Courses (6 hrs):				
<i>Two of the following:</i>				
ENG 205	Topics in British Literature to 1800	3		
ENG 206	British Literature since 1800	3		
ENG 248	Topics in World Literature to 1800	3		
ENG 249	World Literature since 1800	3		
200-level Writing/Language Courses (9 hrs):				
ENG 270	Expository Writing	3		
ENG 275	Introduction to Creative Writing	3		
ENG 290	Introduction to Literary Studies: Critical Approaches and Research Methods	3		
300- level Literature Courses (9 hrs):				
ENG 345	Ethnic Literature	3		
<i>Two of the following:</i>				
ENG 315	Literary Modes and Genres	3		
ENG 325	Literary Movements	3		
ENG 330	Literary Visions and Revisions	3		
ENG 335	A Sense of Place	3		
ENG 340	Gender and Literary Expression	3		
ENG 350	Studies in the Author	3		
Electives (12 hours):				
	*	3		
	*	3		
	*	3		
	*	3		
TOTAL HOURS FOR MAJOR		36 hrs		
Majors must select at least one course each from: Literature before 1850, Literature after 1850, American Literature, British/World Literature.				

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---





ENGLISH MAJORS  
English Literature

Professors: T. Adams, C. Perry  
Associate Professors: H. LaVine, N. Leonard  
Assistant Professor: J. Reed

Contact: Dr. Theresa Adams  
Phone: 573-592-5218  
Email: [Theresa.adams@wcmo.edu](mailto:Theresa.adams@wcmo.edu)

Please refer to the [English Major Information Page](#) of the Campus Catalog for complete English major information.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [English Course Descriptions](#)

Major: ENGLISH LITERATURE

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses:</b>				
<b>200-level Literature Courses (6 hrs):</b>				
ENG 205	Topics in British Literature to 1800	3		
ENG 206	British Literature since 1800	3		
ENG 238	American Literature to the Civil War	3		
ENG 239	American Literature since the Civil War	3		
ENG 248	Topics in World Literature to 1800	3		
ENG 249	World Literature since 1800	3		
<b>200-level Writing/Theory Courses (6 hrs):</b>				
ENG 275	Introduction to Creative Writing	3		
ENG 290	Introduction to Literary Studies: Critical Approaches and Research Methods	3		
<b>300-and 400-level Literature Courses (15 hrs):</b>				
ENG 350	Studies in the Author: Shakespeare	3		
<b>FOUR of the following:</b>				
ENG 315	Literary Modes and Genres	3		
ENG 325	Literary Movements	3		
ENG 330	Literary Visions and Revisions	3		
ENG 335	A Sense of Place	3		
ENG 340	Gender and Literary Expression	3		
ENG 345	Ethnic Literature	3		
ENG 350	Studies in the Author	3		
ENG 355	Literature and the Other Arts	3		
<b>Electives (9 hours):</b>				
	*	3		
	*	3		
	*	3		
<b>Electives may Include:</b>				
ENG 420	Honors Project I	3		
ENG 430	Honors Project II	3		
<b>TOTAL HOURS FOR MAJOR</b>		<b>36 hrs</b>		
Majors must select at least one course each from: Literature before 1850, Literature after 1850, American Literature, British/World Literature.				



## ENGLISH MAJORS

English (without an area of emphasis)

Professors: T. Adams, C. Perry  
Associate Professor: H. LaVine, N. Leonard  
Assistant Professor: J. Reed

Contact: Dr. Theresa Adams  
Email: [Theresa.adams@wcmo.edu](mailto:Theresa.adams@wcmo.edu)

Please refer to the [English Major Information Page](#) of the Campus Catalog for complete English major information.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [English Course Descriptions](#)

Major: ENGLISH (Without an Area of Emphasis)

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
Required Courses:				
200-level Literature Courses (6 hrs):				
ENG 205	Topics in British Literature to 1800	3		
ENG 206	British Literature since 1800	3		
ENG 238	American Literature to the Civil War	3		
ENG 239	American Literature since the Civil War	3		
ENG 248	Topics in World Literature to 1800	3		
ENG 249	World Literature since 1800	3		
200-level Writing/Theory Courses (6 hrs):				
ENG 275	Introduction to Creative Writing	3		
ENG 290	Introduction to Literary Studies: Critical Approaches and Research Methods	3		
300-and 400-level Literature Courses (6 hrs):				
ENG 315	Literary Modes and Genres	3		
ENG 325	Literary Movements	3		
ENG 330	Literary Visions and Revisions	3		
ENG 335	A Sense of Place	3		
ENG 340	Gender and Literary Expression	3		
ENG 345	Ethnic Literature	3		
ENG 350	Studies in the Author	3		
ENG 355	Literature and the Other Arts	3		
Electives (18 hours):				
	*	3		
	*	3		
	*	3		
	*	3		
	*	3		
	*	3		
TOTAL HOURS FOR MAJOR		36 hrs		
Majors must select at least one course each from: Literature before 1850, Literature after 1850, American Literature, British/World Literature.				

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## ENGLISH MINOR

Contact: Theresa Adams  
Email: [Theresa.adams@wcmo.edu](mailto:Theresa.adams@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [English Course Description](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name		First Name		Middle Initial
Advisor		Date Minor Declared		
Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>200-Level Literature Courses (6 hrs)</b>				
ENG 205	Topics in British Literature before 1800	3		
ENG 206	British Literature since 1800	3		
ENG 238	American Literature to the Civil War	3		
ENG 239	American Literature since the Civil War	3		
ENG 248	Topics in World Literature to 1800	3		
ENG 249	World Literature since 1800	3		
<b>200-Level Writing Courses (3 hrs)</b>				
ENG 260	Introduction to Journalism	3		
ENG 270	Expository Writing	3		
ENG 275	Introduction to Creative Writing	3		
<b>Electives (9 hrs; at least one must be at the 300-level)</b>				
ENG 3xx/4xx		3		
ENG 3xx/4xx		3		
ENG 3xx/4xx		3		
TOTAL HOURS FOR MINOR		18 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## ENVIRONMENTAL SCIENCE MAJOR

Professor: G. McNett

Associate Professors: B. Hansert, D. Holliday, D. Schmidt

Contact: Dr. Dawn Holliday

Email: [dawn.holliday@wcmo.edu](mailto:dawn.holliday@wcmo.edu)

The Environmental Science major serves students interested in helping to conserve, protect, and manage natural resources. Students complete 24 hours of core coursework, then specialize in one of three emphases (Chemistry, Geology, Biology), and complete the major with an independent research project, travel course, or internship.

At least 8-12 Core hours must be completed before pursuing a particular Emphasis. NOTE: Emphasis courses may have their own prerequisites. Chemistry courses are sequential. Most BIO courses require BIO 114/115 and BIO 124/125. Historical Geol. (GEO 203) and Topics in Geol. (GEO 340 or GEO 302) require GEO 108.

Students pursuing Environmental Chemistry cannot also major in Biochemistry or major or minor in Chemistry. Those pursuing Environmental Biology cannot also major or minor in Biology. Students must earn a letter grade of C- or better in all courses needed to satisfy the major. Students interested in Graduate School in a related area should also consider Calc II and Physics I and II. Students interested in Environmental Law should consider a Pre-Law minor (18 credits). Finally, to extend the breadth of study in the major, students should also consider additional relevant electives, such as ENV/ENC 377 (Environmental and Resource Economics), ENV 300/ENG 315 (Environmental Literature), PHL 246 (Environmental Ethics), POL 326 (Environmental Politics and Policy), REL 324 (Religion and the Environment).

Major: ENVIRONMENTAL SCIENCE

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Core Courses</b>				
ENV 100	Exploring Environmental Science	1		
BIO 114/115	Biological Processes	4		
BIO 124/125	Biological Diversity	4		
CHM 114/115	General Chemistry I	4		
GEO 108	Intro to Physical Geology	4		
ENV 105	Intro to Environmental Science	4		
MAT 114	Statistics	3		
	Capstone (Indep. Research, Travel Course, or Internship)	3-4		
	<b>Total Core Hours</b>	<b>27-28 hrs</b>		
<b>IN ADDITION TO THE CORE COURSES, YOU MUST COMPLETE ONE OF THE FOLLOWING EMPHASES:</b>				
<i>Environmental Chemistry Emphasis</i>				
CHM 124/125	General Chemistry II	4		
CHM 314/315	Organic Chemistry I	4		
CHM 324/325	Organic Chemistry II	4		
CHM 334/335	Analytical Chemistry I	4		
MAT 124	Calculus	5		
	<b>Total Emphasis Hours</b>	<b>21 hrs</b>		
<i>Environmental Geology Emphasis</i>				
BIO 212	Research Methods	3		
<u>or</u> CSA 104	Programming Logic and Design	3		
<u>or</u> MAT 115	Fundamentals of Data Science	3		
GEO 203	Historical Geology	4		
GEO 315	Anthropocene Geology	3		
GEO 335	Paleontology	4		
GEO 302	Topics in Geology	4		
<u>or</u> GEO 340	Topics in Geology	4		
	<b>Total Emphasis Hours</b>	<b>18 hrs</b>		
<i>Environmental Biology Emphases</i>				
BIO 205	Ecology and Field Biology	4		
BIO 310	Environmental Toxicology	3		
BIO or GEO	Organismal Course (several from which to choose)	4		



ENV 350	Conservation Biology	3		
GEO 203	Historical Geology	4		
	Total Emphases Hours	18		
	TOTAL HOURS FOR MAJOR	45-49 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## ENVIRONMENTAL SCIENCES MINOR

Contact: Dr. Dawn Holliday  
Email: [dawn.holliday@wcmo.edu](mailto:dawn.holliday@wcmo.edu)

Note: Students must receive a C- or better for all minor courses. At least 33% of all the hours used to satisfy the minor (7-9) must be Westminster courses.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Biology Course Descriptions](#)
- [Environmental Science Course Descriptions](#)
- [Geology Course Descriptions](#)
- [Philosophy Course Descriptions](#)
- [Political Science Course Descriptions](#)
- [Religious Studies Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Course</b>				
ENV 105	Environmental Science with lab	4		
<b>Social Sciences/Humanities:</b> Choose two of the following (6 hrs)				
ECN/ENV 377	Environmental & Resource Economics	3		
PHL 246	Environmental Ethics	3		
POL 326	Environmental Politics & Policy	3		
<b>Physical Science/Geology:</b> Choose two of the following (6-8 hrs)				
GEO 108	Intro to Physical Geology	4		
GEO 116	Environmental Geology	4		
GEO 317	Surficial Geology	4		
GEO 305	Hydrogeology	3		
GEO 327	Weather and Climate	3		
GEO 330	Applications of Geographic Info. Sys.	4		
<b>Ecology &amp; Resource Management:</b> Choose two of the following (6-8 hrs)				
BIO 205	Ecology and Field Biology	4		
BIO/ENV 210	Biogeography	3		
BIO 310	Environmental Toxicology	3		
ENV 350	Conservation Biology	3		
GEO 340	Earth Materials	4		
BIO/GEO/ENV 320/321	Travel Course	4		
<b>TOTAL HOURS FOR MINOR</b>		<b>21-23 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.



## EXERCISE SCIENCE MAJOR

Assistant Professor: A. Gowin (Chair)

Assistant Professor: C. Robb

Contact: Amanda Gowin

Email: [Amanda.gowin@wcmo.edu](mailto:Amanda.gowin@wcmo.edu)

Exercise Science majors will explore the science of exercise and its role in health, fitness, and optimal sports performance. Students will prepare for graduate programs, health careers such as athletic training, physical therapy, physician's assistant, nursing, and medicine. The major will include a capstone research or internship experience tailored to the student's career goals. Students are encouraged to obtain professional certifications, such as ACSM Personal Trainer or Health/Fitness Instructor certification, as appropriate.

A grade of C- or better is required in all courses used to satisfy the major requirements.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Biology Course Descriptions](#)
- [Chemistry Course Descriptions](#)
- [Health and Exercise Science Course Descriptions](#)
- [Physical Education Course Descriptions](#)

Major: EXERCISE SCIENCE

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses:</b>				
HES 101	Introduction to Exercise Science	1		
BIO 114/115	Biological Processes	4		
BIO 124/125	Biodiversity	4		
BIO 302	Human Anatomy*	4		
BIO 420	Physiology (BIO 302 or 322 prereq)	4		
CHM 114/115	Chemistry I	4		
CHM 124/125	Chemistry II	4		
HES/PSY 231	Sports Psychology	3		
HES 232	Care and Prevention of Athletic Injuries	3		
HES 251	Introduction to Nutrition	3		
HES 321	Kinesiology	3		
HES 340	Exercise Physiology	3		
HES 342	Exercise Prescription	3		
	Capstone Research or Field Experience in Exercise	3		
	<b>TOTAL HOURS FOR MAJOR</b>	<b>46 hrs</b>		
	<b>Optional Courses:</b>			
HES 215	Motor Learning	3		
HES 350	Theories of Adapted Physical Education	3		
HES 406	Management in PE & Athletics	2		
*Students who need extra preparation for BIO 302, Human Anatomy are advised to take NSC 210, Anatomy and Physiology I.				
A grade of C- or better is required in all courses used to satisfy the major requirements				

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## FINANCE MAJOR

Assistant Professor: A. Rahman

Contact: Dr. Sonia Manzoor

Email: [Sonia.manzoor@wcmo.edu](mailto:Sonia.manzoor@wcmo.edu)

Finance major is offered through the John E. Simon Department of Accounting, Business, Economics, and Finance. The courses in finance major prepare students to launch exciting professional careers in both corporate finance (e.g., Financial Analyst, Budget Analyst, and Credit Analyst) and investments (e.g., Equity Analyst, Research Analyst, and Research Associate). Because of the emphasis on building practical skills, the coursework enables students to work in other quantitative fields, such as business analysis, etc. Throughout the 4-year program, among other things, students learn how to price an asset (such as stocks, bonds, options, and futures), how to manage investments, how to evaluate revenue-generating projects and raise capital to finance those projects.

The finance major can be an excellent choice to combine with other majors, such as accounting or business administration, as well as minors in related fields, such as economics or mathematics.

Majors must have at least a grade of C in all finance courses (only courses with FIN as the prefix) or the major as well as maintain a grade point average of 2.00 or higher to complete the requirements of the major.

No more than 40 credit hours in finance major courses may be counted toward the 122 credit hours required for graduation.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Accounting Course Descriptions](#)
- [Business Course Descriptions](#)
- [Economics Course Descriptions](#)
- [Finance Course Descriptions](#)
- [Math Course Descriptions](#)
- [Speech Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: FINANCE

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Core Business Courses (36-38 hrs):</b>				
ACC 215	Principles of Financial Accounting	3		
ACC 216	Principles of Managerial Accounting	3		
BUS 210	Spreadsheet Application in Business	3		
BUS 220	Fundamentals of Management	3		
BUS 250	Principles of Marketing	3		
ECN 211	Principles of Macroeconomics	3		
ECN 212	Principles of Microeconomics	3		
ECN 355	Research Methods for Business and Social Sciences Applications	3		
FIN 318	Corporate Financial Management	3		
MAT 114	Elementary Statistics	3		
MAT 122	Business Calculus	3		
or MAT 124	Calculus I	5		
SPE 101	Introduction to Speech Communication	3		
<b>Finance Major Courses (21 hrs):</b>				
ECN 325	Money, Banking and Financial Markets	3		
ECN 331	Intermediate Macroeconomics Theory	3		
ECN 337	Open-Economy Macroeconomics	3		
FIN 351	Portfolio Management	3		
FIN 328	Managerial Finance	3		
FIN 350	Investments	3		
FIN 354	Options & Futures	3		
<b>Major Elective: One from the following list (3 hrs):</b>				
ACC 312	Intermediate Accounting I	3		
ACC 419	Federal Income Tax II	3		
ECN 310	International Trade & Finance	3		
ECN 360	Mathematical Economics	3		
ECN 367	Econometrics	3		
MAT 312	Differential Equations	3		
MAT 313	Mathematical Probability and Statistics	3		
<b>TOTAL HOURS FOR MAJOR</b>		<b>60-62 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.



## FINANCIAL PLANNING MAJOR

Professor: S. Manzoor (Chair)  
Assistant Professor: A. Rahman  
Assistant Professor: N. Wilbur

Contact: Dr. Sonia Manzoor  
Email: [Sonia.Manzoor@westminster-mo.edu](mailto:Sonia.Manzoor@westminster-mo.edu)

The financial planning major is an excellent program for students who are interested in working with individual or corporate clients in helping them to solve their financial goals, including retirement planning, estate planning etc. Given today's sophisticated nature of financial products, ever-evolving tax rules, and complicated financial needs, effective financial planning is of utmost importance. By training students to identify clients' financial needs, assessing their risk tolerance, and offering appropriate recommendations to meet their needs, this program opens many rewarding career opportunities for graduates, including financial planner, financial advisor etc. The robust curriculum also ensures that students can pursue higher studies in many areas of business, including financial planning.

## ACADEMIC REQUIREMENTS SUMMARY SHEET ACADEMIC YEAR 2022-2023

Major: FINANCIAL PLANNING

Student Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course Number	Title of Course	Hours Completed	Semester Completed	Grade
<b>Required Core Business Courses</b>				
ACC 215	Principles of Financial Accounting	3		
ACC 216	Principles of Managerial Accounting	3		
BUS 210	Spreadsheet Applications in Business	3		
BUS 220	Fundamentals of Management	3		
BUS 250	Principles of Marketing	3		
ECN 211	Principles of Macroeconomics	3		
ECN 212	Principles of Microeconomics	3		
FPL 2xx	Introduction to Financial Planning	3		
FIN 318	Corporate Financial Management	3		
MAT 114	Elementary Statistics	3		
SPE 101	Introduction to Speech	3		
	<b>Total Core Business Hours</b>	<b>33 hrs</b>		
<b>Required Financial Planning Core Courses</b>				
ACC 319	Federal Income Tax	3		
FIN 350	Investments	3		
FPL 3xx	Financial Planning and Risk Management	3		
FPL 3xx	Retirement Planning and Employee Benefits	3		
FPL 4xx	Estate Planning and Trusts	3		
	<b>Total Financial Planning Core Hours</b>	<b>15 hrs</b>		
<b>Capstone</b>				
FPL 4xx	Capstone Experience	3		
	<b>Total Capstone Hours</b>	<b>3 hrs</b>		
	<b>TOTAL MAJOR HOURS</b>	<b>51 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---





## FRENCH MAJORS

French Major with Concentration in Translation  
French Major without Concentration

Associate Professor: I. Ilinca

Contact: Dr. Allysha Martin

Email: [allysha.martin@westminster-mo.edu](mailto:allysha.martin@westminster-mo.edu)

The Department of Foreign Language and Literature offers major and minor programs of study in French as well as supporting course work for Westminster College's general education program. French courses also fulfill the Foreign Language requirement (10 -16 credits) in the majors with an international component, such as International Business. At elementary and intermediate levels, the French program seeks to develop speaking, reading, writing and listening proficiency and an appreciation of the cultural diversity of the Francophone world. Upper-level courses provide students with broad knowledge in French history, civilization, and contemporary society, with ample opportunities for interdisciplinary study and with critical strengths in literary text interpretation.

A student wishing to major in French should consult Dr. Ingrid Ilinca. With careful planning, it is possible to major in French without having studied in high school.

Courses taken on an approved study abroad program may be substituted for elective hours with departmental approval. The 27-30 hours required in the major exclude FRE 101 and 102. 21 of the 27 required hours must be in 300 level courses. Majors must earn a grade of C or better in all French courses needed to satisfy major requirements. Students who are placed directly in upper-level (5th semester and higher) need to apply for AP credit in order to have FRE 203 and 204 count as electives. Native, near native, or heritage speakers of French need to take FRE 306, regardless of the level of proficiency.

Students are encouraged to participate in an approved off-campus program in France. In order to graduate with Honors in French, the student must fulfill these minimum requirements: (1) complete six upper-level French courses with at least a 3.6 grade average; (2) complete FRE 425 Senior Honors Thesis/Project with a grade of A; (3) have at least a 3.2 overall GPA.

NOTE: HUM 294 (Introduction to the French-Speaking World) and FRE 280 (Introduction to French Literature & Culture) do not count toward the major or minor. These courses fulfill Tier II requirements in General Education and are taught in English. They also fulfill requirements in Breakthrough.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [French Course Descriptions](#)

Major: FRENCH MAJOR (With Concentration in Translations)

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Completed	Semester Completed	Grade
<b>Required Courses (21 hrs):</b>				
FRE 303	Advanced Conversation	3		
FRE 306	Advanced Grammar and Composition	3		
FRE 300	Translation I	3		
FRE 300	Translation II	3		
FRE 399	Translation III (Capstone Project)	3		
	<b>One Literature Course:</b>			
FRE 358	The Individual in Society I (From Middle Ages to the French Revolution)	3		
or FRE 359	The Individual in Society II (19th - 21st Centuries)	3		
	<b>One Civilization Course:</b>			
FRE 362	Francophone Civilizations	3		
or FRE 363	French Civilization	3		
<b>Elective Courses (9 hours):</b>				
FRE 203	Intermediate French I	3		
FRE 204	Intermediate French II	3		
FRE 305	Commercial French I	3		
FRE 300	Commercial French II	3		
FRE 360	Literary Moments and Movements	3		
FRE 361	Topics in Literature and Culture	3		
FRE 2XX	A 2 <sup>nd</sup> Literature or Civilization course from the required list	3		
	<b>TOTAL HOURS FOR MAJOR</b>	<b>30 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

Major: FRENCH (without Concentration)

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses (15 hrs):</b>				
FRE 306	Advanced Grammar & Composition	3		
FRE 358	The Individual in Society I (Middle Ages to French Revolution)	3		
FRE 359	The Individual in Society II (19th -21st centuries)	3		
FRE 362	Francophone Civilizations	3		
FRE 363	French Civilization	3		
<b>Electives for the Major in French (12 hrs):</b>				
FRE 203	Intermediate French I	3		
FRE 204	Intermediate French II	3		
FRE 300	Translation I, II, III	3		
FRE 303	Advanced French Conversation	3		
FRE 305	Commercial French I	3		
FRE 360	Literary Moments and Movements	3		
FRE 361	Literature and Culture	3		
<b>TOTAL HOURS FOR MAJOR</b>		<b>27 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## FRENCH MINOR

Contact: Dr. Allysha Martin

Email: [allysha.martin@westminster-mo.edu](mailto:allysha.martin@westminster-mo.edu)

Courses taken on an approved study abroad program may be substituted for elective hours with departmental approval. The 18 hours required in the minor exclude FRE 101 and FRE 102. 12 of the 18 required hours must be in 300-level courses. Minors must earn a grade of C or better in all French courses needed to satisfy minor requirements. Students who are placed directly in upper-level (5<sup>th</sup> semester and higher) need to apply for AP credit in order to have FRE 203 and 204 count as electives. Native speakers of French cannot earn credit for FRE 203 and 204 (they need to take six 300-level courses). Native, near-native, or heritage speakers of French need to take FRE 306 regardless of proficiency.

Note: HUM 294 (Introduction to the French-Speaking World) and FRE 280 (Introduction to French Literature and Culture) do not count towards the major or minor.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [French Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name	First Name	Middle Initial		
Advisor		Date Minor Declared		
Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses (9 hrs)</b>				
FRE 306	Advanced Grammar & Composition	3		
FRE 358	The Individual in Society I (from Middle ages to the French Revolution)	3		
<b>or</b> FRE 359	The Individual Society II (19 <sup>th</sup> -21 <sup>st</sup> Centuries)	3		
FRE 362	Francophone Civilization	3		
<b>or</b> FRE 363	French Civilization	3		
<b>Electives (9 hrs)</b>				
FRE 203	Intermediate French I	3		
FRE 204	Intermediate French II	3		
FRE 300	The Theory and Practice of Translation	3		
FRE 303	Advanced French Conversation	3		
FRE 305	Commercial French	3		
FRE 360	Literary Moments and Movements	3		
FRE 361	Literature and Culture	3		
TOTAL HOURS FOR MINOR		18 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.



## GENERAL STUDIES MAJOR

Contact: Dr. Linda Webster

Email: [linda.webster@westminster-mo.edu](mailto:linda.webster@westminster-mo.edu)

The Bachelor of General Studies has been offered by Western universities and colleges for more than 700 years. This multidisciplinary degree option offers students maximum flexibility and an opportunity to explore a broad range of topics while simultaneously developing critical thinking and analytical skills, improving writing and public speaking skills, and learning a great deal about the world in which they live.

Must complete at least one minor in any discipline.

No more than 27 hours may be completed from any single discipline. A minimum of 30 hours must be taken at the 300-400 level.

Student pursuing the Bachelor of General Studies may not combine the BGS with any other major. BGS students may be awarded only the Bachelor of General Studies and no second major.

Minimum GPA requirement: 2.0. Fulfill all General Education requirements. General Education: Breakthrough, New Foundations, or transfer via Articulation Agreement.

Major: GENERAL STUDIES

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
Minor Courses: Completion of a minor is required (use the following spaces to list required classes for minor)				
300-400 Level Courses (minimum 30 hours)				
TOTAL HOURS FOR MAJOR				

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## GLOBAL & TRANSNATIONAL STUDIES MAJOR

Professors: J. McRae

Associate Professors: K. Wright-Smith, H. LaVine, E. Salas-Durazo, M. Boulton

Assistant Professors: J. Holzer, A. Gowin, H. McRae

Contact: Dr. Kali Wright-Smith

Email: [kali.wright-smith@westminster-mo.edu](mailto:kali.wright-smith@westminster-mo.edu)

Global and Transnational Studies focuses on the pressing international problems facing today's world. These issues are not simply about interplay of nations, national perspectives, or the study of different regions of the world. Instead, the issues revolve around problems such as the environment, economic development, social justice, global conflict, immigration, and cross-cultural connectivity – all of which are interdisciplinary, interconnected, and involve international cooperation.

### Requirements (33-36 hours):

- Core courses (12 hours): GTS 201, HIS 110, GTS 401, a third semester of foreign language (FLG 203)
- 3 regional electives (9 hours)
- 4 thematic electives (12 hours)
- 15 hours of the total major hours must be at the 300-level or above
- A grade-point average of 2.0 or higher in courses counted toward the major

Students may substitute experimental courses numbered 200 or 300 for electives listed in the worksheet with permission of the program coordinator.

Students with an interest in advanced study of a foreign language may choose to count an additional 200-level or 300-level language course toward their 9 hours of regional coursework.

It is strongly recommended that students majoring in Global & Transnational Studies spend at least one semester in an approved off-campus program.

**Honors Thesis:** Students majoring in Global & Transnational Studies who have a cumulative GPA of 3.30 or higher in the major may elect to write a senior thesis for honors recognition. “Graduate with Honors” will be noted on their transcript provided they complete the thesis with a grade of B or better. Students writing the thesis will complete GTS 401 (Research Seminar) and GTS 402 (Senior Thesis) during their junior and/or senior year.

Students who complete a thesis may substitute GTS 402 for one of their thematic course requirements.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- |  |   |
|--|---|
| • <a href="#">Business Course Descriptions</a>                         | • <a href="#">Geology Course Descriptions</a>           |
| • <a href="#">Economics Course Descriptions</a>                        | • <a href="#">History Course Descriptions</a>           |
| • <a href="#">Education Course Descriptions</a>                        | • <a href="#">Humanities Course Descriptions</a>        |
| • <a href="#">English Course Descriptions</a>                          | • <a href="#">Philosophy Course Descriptions</a>        |
| • <a href="#">Environmental Science Course Descriptions</a>            | • <a href="#">Political Science Course Descriptions</a> |
| • <a href="#">French Course Descriptions</a>                           | • <a href="#">Psychology Course Descriptions</a>        |
| • <a href="#">Global and Transnational Studies Course Descriptions</a> | • <a href="#">Religious Studies Course Descriptions</a> |
|  | • <a href="#">Security Studies Course Descriptions</a>  |

Major: GLOBAL &amp; TRANSNATIONAL STUDIES

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses (12 hours)</b>				
GTS 201	Introduction to Global & Transnational Studies	3		
HIS 110	World History II	3		
FLG 203	3 <sup>rd</sup> Semester of Foreign Language	3		
GTS 401	Research Seminar	3		
<b>Optional Honors Thesis (3 hours)</b>				
GTS 402	Honors Thesis	3		
<b>Choose 3 Regional Courses (9 hours)</b>				
ENG 345	African Diasporic Literature	3		
ENG 345	Caribbean Literature	3		
HUM 277	Spanish Civilization	3		
HUM 278	Latin American Civilization	3		
PHL/REL 333	Asian Philosophy & Religion	3		
POL/GTS 306	West European Government and Politics	3		
POL/GTS 308	Post-Soviet Politics	3		
POL/GTS 325	Middle East and North African Politics	3		
POL/GTS 346	Chinese Politics & Influence	3		
<b>Choose 1 Thematic Course from each area (12 hours)</b>				
<b><i>Global Economic Development (3 hours)</i></b>				
BUS 322	Cross-Cultural Management	3		
BUS 340	International Business	3		
ECN 211	Principles of Macroeconomics	3		
ECN 212	Principles of Microeconomics	3		
ECN 310	International Trade and Finance	3		
ECN 331	Intermediate Macroeconomic Theory	3		
ECN 334	Economic Development			
GTS 320	Global Inequality	3		
<b><i>Global Environment &amp; Health (3 hours)</i></b>				
ENV 105	Introduction to Environmental Science	4		
GEO 300	Great American West Travel Expedition	3		
GEO 315	Anthropocene Geology	3		
GTS/HES 240	Intro to Global Health	3		
GTS/SOC 330	The Global City	3		
PHL 242	Biomedical Ethics	3		
PHL 246	Environmental Ethics	3		



POL 326	Environmental Politics & Policy	3		
WGS/HES 355	Women's Health Issues	3		
<i>International Relations &amp; Human Rights (3 hours)</i>				
EDU 385	Diversity in Education	3		
GTS 212	Model UN Team	3		
HIS 340	Topics in Diplomatic and Military History	3		
HIS 350	Topics in Early World History	3		
HIS 360	Topics in Modern World History	3		
PHL 244	Business Ethics	3		
PHL 410/SEC 300	Ethical Warfare	3		
POL 212	Introduction to International Relations	3		
POL 305	International Law and Organization	3		
POL/SEC 335	Politics and Security of Developing Nations	3		
POL/SEC 337	Human Rights and Security	3		
POL 362	American Foreign Policy	3		
SEC 312	Terrorism	3		
<i>Global Cultures (3 hours)</i>				
ENG 315	Booker Prize Fiction Writing	3		
ENG 330	Literary Remixes: Contemporary Takes on	3		
FRE 362	Francophone Civilizations	3		
GTS 310	Memory and Culture in Global Perspective	3		
HIS 350	Topics in Early World History	3		
HIS 360	Topics in Modern World History	3		
HUM 294	Introduction to the French-Speaking World	3		
PHL/REL 102	World Religions	3		
PHL 410/REL 300	Buddhism	3		
PSY 405	International and Cross-Cultural Psychology	3		
TOTAL HOURS FOR MAJOR		33 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## GLOBAL & TRANSNATIONAL STUDIES MINOR

Contact: Dr. Kali Wright-Smith

Email: [kali.wright-smith@westminster-mo.edu](mailto:kali.wright-smith@westminster-mo.edu)

### Requirements (18-21 hours):

- Required courses (9 hours): GTS 201, POL 212, and either HIS 109 or HIS 110
- 9 hours at the 300-level or above, including\*
  - At least one upper-level Thematic course (3 hours)
  - At least one upper-level Regional course (3 hours)
- Second semester of foreign language (FLG 102)\*\*
- A grade-point average of 2.0 or higher in courses counted toward the major

\*Approved Thematic and Regional courses listed in advising worksheet for the Global & Transnational Studies Major.

\*\*Cohorts covered by Breakthrough will fulfill this requirement as part of the general education curriculum.

Students who successfully complete GTS 401 may count it in fulfillment of one of the required upper-level electives.

Students may substitute experimental courses numbered 200 or 300 for electives listed in the worksheet with permission of the program coordinator.

Students pursuing a minor in Global & Transnational Studies are encouraged to participate in an approved off-campus program.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Global & Transnational Studies Course Descriptions](#)
- [History Course Descriptions](#)
- [Political Science Course Descriptions](#)

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses (9 hrs)</b>				
GTS 201	Introduction to Global & Transnational Studies	3		
POL 212	Introduction to International Relations	3		
HIS 109	Introduction to World History I	3		
or HIS 110	Introduction to World History II	3		
<b>Upper-Level Electives (9 hrs)</b>				
<i>Record courses taken in the spaces below. For list of approved Regional and Thematic courses, see the Global &amp; Transnational Studies Major worksheet.</i>				
<b>Choose 1-2 Upper Level Regional Courses (3-6 hrs)</b>				
		3		
		3		
<b>Choose 1-2 Upper Level Thematic Courses from any area(s) (3-6 hrs)</b>				
	<i>Global Economic Development</i>	3		
	<i>Global Environment &amp; Health</i>	3		
	<i>International Relations &amp; Human Rights</i>	3		
	<i>Global Cultures</i>	3		
	<b>TOTAL HOURS FOR MINOR</b>	<b>18 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## HEALTH AND WELLNESS MAJOR

Assistant Professor: A. Gowin  
Instructor: C. Robb

Contact: Dr. Amanda Gowin  
Email: [Amanda.gowin@wcmo.edu](mailto:Amanda.gowin@wcmo.edu)

The Health and Wellness major emphasizes knowledge and learning experiences aimed at the promotion of lifetime wellness. Students will know principles of nutrition, holistic health and exercise training. Also, students will learn how to test health and activity status, prescribe safe exercise, prevent exercise injury, and assess client progress toward their wellness and fitness goals. The courses in this major will prepare graduating students for jobs that apply principles of health education and exercise training. More specifically, students may pursue careers in worksite wellness, hospital-based wellness programs, community health centers, retirement and nursing home wellness programs, commercial and non-profit health, fitness, and recreation centers, and other related areas.

A grade of C- or better is needed for all courses needed to satisfy the major requirements.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Biology Course Descriptions](#)
- [Health and Exercise Science Course Descriptions](#)
- [Psychology Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: HEALTH AND WELLNESS

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses (38 hrs):</b>				
HES 101	Intro to Exercise Science	1		
HES 104	First Aid/CPR	1		
HES 204	Fitness and Wellness Concepts	3		
HES 220	Sports in Social Science	2		
HES/PSY 231	Sports Psychology	3		
HES 232	Care and Prevention of Athletic Injuries	3		
HES 251	Introduction to Nutrition	3		
HES 342	Exercise Prescription	3		
HES 309	History and Philosophy of PE	2		
HES 321	Kinesiology	3		
HES 340	Exercise Physiology	3		
HES 405	Test and Measurement	2		
HES 406	Management in PE	2		
	3- PED activity courses in four different areas (3 hrs.)			
	1.)	1		
	2.)	1		
	3.)	1		
HES 398/399	Capstone	3		
NSC 210	Anatomy and Physiology I	4		
<b>Electives (3 hrs choose one course from the list below)</b>				
HES 205	Stress Management	3		
HES/EDU 207	School Health Education	3		
HES 240	Introduction to Global Public Health	3		
HES 350	Theories of Adapted Physical Education	3		
HES/WGS 355	Women's Health Issues	3		
HES 357	Community Nutrition	3		
PSY 301	Human Sexual Behavior	3		
PSY 330	Addictive Disorders	3		
	<b>TOTAL HOURS FOR MAJOR</b>	<b>44 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.



## HISTORY MAJOR

Associate Professors: M. Boulton (chair)  
Assistant Professor: H. McRae, N. Allen

Contact: Dr. Mark Boulton  
Email: [mark.boulton@wcmo.edu](mailto:mark.boulton@wcmo.edu)

The Department of History offers a major and three minor programs of study as well as a wide range of offerings that support the College's General Education Program. Its minors are in History, U.S. History, and European History. The Department's offerings reflect the wisdom of the adage that "He who knows only his own generation remains always a child." Thus, the spirit and purpose shaping the study of history at Westminster rests on the belief that the critical study of what men and women have thought and done in the past, whether in the Old World or the New, disciplines the mind for wise action, frees it from the narrow perspective of the present, and leads to self-knowledge.

Students who double major in Education and History may complete the history major as described above; OR they may fulfill all history major requirements except HIS 422, 423 and 424 provided they successfully complete a fifth 300 -level courses in history plus EDU 435.

Departmental majors must have at least a 2.00 GPA in all History courses needed to satisfy the major requirement.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [History Course Descriptions](#)

Major: HISTORY

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
Required Courses:				
HIS 103	History of the United States to 1877	3		
HIS 104	History of the United States since 1877	3		
HIS 109	World History I	3		
HIS 110	World History II	3		
HIS 390	Historical Methods	3		
HIS 396	Applied History	1		
HIS 397	Writing for the Public	1		
HIS 422	Thesis I	2		
HIS 423	Thesis II	3		
HIS 424	Thesis Rewrite	1		
	Total Required Hours	23 hrs		
Four upper-level history courses, including at least one with each full-time department member				
	1)	3		
	2)	3		
	3)	3		
	4)	3		
	Total Elective Hours	12 hrs		
	TOTAL HOURS FOR MAJOR	35 hrs		

Additional Upper- Level Course ONLY if taking the Education/Non-Thesis Route:

COURSE	HOURS	SEMESTER	GRADE
	3		

**TOTAL HOURS 35 (38 for the non-thesis option)**

Non-Required, but Recommended Skills-based Courses:

ENG 380: Digital Humanities  
 HIS 200: History on Film  
 LST 201: Leadership Theories & Practice  
 MSM 200: Intro to Museum Studies  
 SSI 101/205: Library Research  
 SPE 101 Intro to Speech Communication  
 SPE 220 Public Speaking

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## HISTORY MINOR

Contact: Dr. Mark Boulton  
Email: [mark.boulton@wcmo.edu](mailto:mark.boulton@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [History Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name	First Name	Middle Initial
Advisor	Date Minor Declared	

Course #	Title of Course	Hours Required	Semester Completed	Grade
Required Courses (6 hrs)				
HIS 103	History of the US to 1877	3		
or HIS 104	History of the US since 1877	3		
HIS 390	Historiography	3		
Choose one of the following courses				
HIS 102	Survey of the British History 1800 to Present	3		
HIS 109	World History I	3		
HIS 110	World History II	3		
Three upper-level history courses chosen so that:				
HIS	One is in US History	3		
HIS	One is in History other than the US	3		
HIS	One other upper-level history course	3		
TOTAL HOURS FOR MINOR		18 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---

---





## JOURNALISM, MEDIA, AND PUBLISHING MINOR

Contact: Dr. Theresa Adams  
Email: [Theresa.adams@wcmo.edu](mailto:Theresa.adams@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [English Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name		First Name		Middle Initial
Advisor		Date Minor Declared		
Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
ENG 260	Intro to Journalism	3		
ENG 270	Expository Writing	3		
ENG/JMP 220	Janus & World of Publishing	3		
<b>Elective Courses</b> (Choose 3 Courses from the Following List; At Least One Must be at the 300-level):				
ENG/JMP 380	Digital Humanities	3		
ENG/JMP 376	Creative Nonfiction	3		
	Approved Internship	3		
	Other courses as approved by minor coordinator			
TOTAL HOURS FOR MINOR		18 hrs		

*\*All JMP Minors must have a grade C- or better in the classes needed to satisfy the minor requirements*

*If transfer credit is accepted for minor requirements, please indicate that acceptance by initialing the listing of the course*

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## MATHEMATICS MAJOR

Professor: M. Majerus  
Associate Professors: P. Yu, L. Stumpe  
Assistant Professors: J. Pichelmeyer  
Visiting Assistant Professor: M. Haile  
Instructor: Z. Kopeikin

Contact: Dr. Laura Stumpe  
Email: [laura.stumpe@westminster-mo.edu](mailto:laura.stumpe@westminster-mo.edu)

The Department of Mathematics and Physics offers a major and a minor program of study in Mathematics as well as course work integral to the General Education Program and to programs in the physical sciences. Quantitative and analytical skills are essential for useful and effective lives. Through the study of mathematics, students acquire and enhance their problem-solving skills and learn to apply these to real world issues.

Students who are planning to major in mathematics should complete MAT 124 and CSC 104 in the freshman year. All students taking math courses are required to purchase the TI-84+ calculator.

Mathematics majors must earn a 2.3 or better cumulative GPA in courses needed to satisfy major requirements.

Mathematics minors must earn a C- or better in all mathematics courses needed to satisfy minor requirements.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Computer Science Course Descriptions](#)
- [Mathematics Course Descriptions](#)
- [Physics Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: MATHEMATICS

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses:</b>				
MAT 124	Calculus I	5		
MAT 214	Calculus II	4		
MAT 215	Linear Algebra	3		
MAT 224	Calculus III	4		
MAT 313	Mathematical Probability and Statistics	3		
MAT 331	Mathematics Seminar (must be taken no later than junior year)	3		
MAT 422	Modern Algebra	3		
MAT 424	Advanced Calculus	3		
<b>Mathematics Electives (upper-level courses) 6 hours</b>				
	*	3		
	*	3		
<b>Other Required Courses</b>				
CSA 104	Programming Logic and Design	3		
OR CSA 304	Structured Programming	4		
<b>Plus one of the following courses</b>				
PHY 212	Physics II	4		
<u>or</u>	An Upper-Level course in Biology, Chemistry, or Economics which has a pre req in the discipline	3		
<b>TOTAL HOURS FOR MAJOR</b>		<b>40-42 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## MATHEMATICAL DATA SCIENCE MAJOR

Professor: M. Majerus  
Associate Professors: P. Yu, L. Stumpe (Chair)  
Assistant Professors: J. Pichelmeyer  
Visiting Assistant Professor: M. Haile  
Instructor: Z. Kopeikin

Contact: Dr. Laura Stumpe  
Email: [laura.stumpe@westminster-mo.edu](mailto:laura.stumpe@westminster-mo.edu)

The Department of Mathematics offers a major program of study leading to a Bachelor of Arts in Mathematical Data Science. This major explores the volume of data available in a variety of fields, including but not limited to biology, business, and education. This program supports a deep understanding of statistics, programming skills, and communication skills. By studying large data sets in applicable fields, students who major in Mathematical Data Science will learn to access data, ask critical questions, glean patterns and insights from the data, and communicate results to answer real-world problems. The results will be technologically uncovered, researched in literature, and communicated clearly for their intended audiences. A major in this area of study provides a solid foundation for continued work and graduate study in data science surrounding business, science, or social science fields.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Computer Science Course Descriptions](#)
- [Economics Course Descriptions](#)
- [Mathematics Course Descriptions](#)

Major: MATHEMATICAL DATA SCIENCE

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
MAT 115	Fundamentals of Data Science	3		
MAT 124	Calculus I	5		
MAT 214	Calculus II	4		
MAT 215	Linear Algebra	3		
MAT 313	Mathematical Probability and Statistics	3		
MAT 321	Discrete Mathematics & Graph Theory	3		
MAT 340	Statistical Computing in R	3		
MAT 411	Data Science Seminar	3		
<b>Mathematics elective (upper-level course)</b>				
MAT 3xx/4xx	Upper-Level Elective	3		
<b>Other Required Courses</b>				
CSA 104	Programming Logic and Design	3		
CSA 321	Python Programming	3		
CSA 327	Database Management Systems	3		
ECN 355	Research Methods for Business and Social Sciences Applications	3		
<b>One Upper-Level Elective</b>				
	An advisor approved upper-level course in Biology, Chemistry, Business, Physics, Psychology, Computer Science, Environmental Science, or Economics which has a pre-req in the discipline.	3		
<b>TOTAL HOURS FOR MAJOR</b>		<b>45 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## MATHEMATICS MINOR

Contact: Dr. Laura Stumpe  
Email: [laura.stumpe@westminster-mo.edu](mailto:laura.stumpe@westminster-mo.edu)

All mathematics minors must earn C- or better in the classes needed to satisfy the minor requirements.

All mathematics courses at Westminster College require the use of TI-84+ graphic calculators. Other computer software such as Minitab, Maple, and Geometer's Sketchpad are integrated into course work where appropriate.

*\*If MAT 313 is taken instead of MAT 114, it will not count as one of the two elective courses.*

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Mathematics Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
MAT 114	Elementary Statistics	3		
or MAT 313	Mathematical Probability and Statistics*	3		
MAT 124	Calculus I	5		
MAT 214	Calculus II	4		
<b>Choose two courses from the following</b>				
MAT 215	Linear Algebra	3		
MAT 224	Calculus III	4		
MAT 305	Heart of Mathematics	3		
MAT 310	History of Mathematics	3		
MAT 312	Differential Equations	3		
MAT 313	Mathematical Probability and Statistics*	3		
MAT 314	Higher Geometry	3		
MAT 331	Mathematics Seminar	3		
<b>TOTAL HOURS FOR MINOR</b>		<b>18-19 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## MUSEUM STUDIES MAJOR

Associate Professor: M. Boulton (Chair)

Assistant Professor: H. McRae, N. Allen

Contact: Dr. Mark Boulton

Email: [mark.boulton@westminster-mo.edu](mailto:mark.boulton@westminster-mo.edu)

As centers of research and education, and as repositories for cultural heritage, museums play an important role in our society. The Museum Studies major trains students to develop the conceptual, critical, technical, and historical tools they need to engage a growing and dynamic field. Museum professionals must be able to gain expertise in diverse areas, they must enjoy both independent research and interaction with the public, they must be both creative and analytical, and they must be able to operate within complex and diverse organizations. The Museum Studies major is designed to introduce students to the historical and theoretical foundations of museums and other preservation and research institutions, as well as to provide them with the practical skills and knowledge needed to work in such institutions.

Westminster's Museum Studies major aims to give students the necessary preliminary training for a career in a museum or public history environment. Among the skills they can expect to learn are: how to collect and catalogue artifacts and documents, how to handle and preserve objects, how to interpret material culture for a museum audience, how to create and produce exhibitions, how to run educational and public outreach programs and how to raise funds to support a museum's mission and purpose.

## ACADEMIC REQUIREMENTS SUMMARY SHEET ACADEMIC YEAR 2022-2023

Major: MUSEUM STUDIES

---

Student Last Name                      First Name                      Middle Initial

---

Advisor    Date Major Declared

Course Number	Title of Course	Hours Required	Semester Completed	Grade
<b>Historical Inquiry and Research</b>				
HIS 103	History of the United States to 1877	3		
<u>or</u> HIS 104	History of the United States since 1877	3		
<u>or</u> HIS 109	World History I	3		
<u>or</u> HIS 110	World History II	3		
HIS 390	Historical Methods	3		
HIS	One additional HIS 300-level course	3		
	<b>Total Section Hours</b>	<b>9 hrs</b>		
<b>Required Museum Studies Courses</b>				
MSM 200	Introduction to Museum Studies	3		
MSM 3xx	Museums and Community	3		
MSM 3xx	Museums and Education: Places of Learning	3		
MSM 3xx	Museums and Collections	3		
MSM 3xx	Exhibition Design and Digital Outreach	3		
	<b>Total Section Hours</b>	<b>15 hrs</b>		
<b>Required Internships: Must be taken in at least two different museums or historical sites</b>				
MSM/INT 3xx	Internship	3		
MSM/INT 3xx	Internship	3		
MSM/INT 3xx	Internship	3		
	<b>Total Section Hours</b>	<b>9 hrs</b>		
<b>Capstone</b>				
MSM 400xx	Capstone Experience	3		
	<b>Total Section Hours</b>	<b>3 hrs</b>		
	<b>TOTAL HOURS FOR MAJOR</b>	<b>36 hrs</b>		





## MUSEUM STUDIES MINOR

Contact: Dr. Mark Boulton  
Email: [mark.boulton@wcmo.edu](mailto:mark.boulton@wcmo.edu)

The Museum Studies minor introduces students to the theory and practice of Museum Studies and will provide them with a unique set of practical and vocational skills. The program provides the necessary preliminary training for a career in a museum or public history environment. Among the skills they can learn are: how to collect, handle and preserve artifacts and how to interpret material culture for a museum audience. In addition, students who minor in this program will develop awareness of the theoretical and practical issues involved in running a museum, such as how to set up exhibits, how to run educational and public outreach programs, how to raise funds, and how to keep records.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Accounting Course Descriptions](#)
- [Business Course Descriptions](#)
- [Education Course Descriptions](#)
- [Fine Arts Course Descriptions](#)
- [History Course Descriptions](#)
- [Organizational Leadership Course Descriptions](#)
- [Speech Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET ACADEMIC YEAR 2022-2023

Student's Last Name		First Name		Middle Initial	
Advisor			Date Minor Declared		
Course #	Title of Course	Hours Required	Semester Completed	Grade	
<b>Required Courses</b>					
MSM 200	Introduction to Museum Studies	3			
MSM 300	Museums and Society	3			
MSM 300	Museum Internship	3			
MSM 300	Museum and Education: Places of Learning	3			
<b>or</b> MSM 300	Museums and Collections	3			
<b>Elective Courses:</b> Students are required to take two courses from the following list. Both courses should be taken from one of the following three categories					
<i>Objects, Collections, and Preservation</i>					
MSM 300	Museums and Collections	3			
MSM 300	Independent Studies in Museum Studies	3			
	Approved Study Abroad or Off-Campus Trip	3			
<i>Institutions and Administration</i>					
ACC 215	Principles of Financial Accounting	3			
ACC 307	Government and Non-Profit Accounting	3			

BUS 220	Fundamentals of Management	3		
BUS 250	Principles of Marketing	3		
BUS 325	Entrepreneurship	3		
LST 210	Leadership for Non-Profit Organizations	3		
SPE 310	Business and Professional Communication	3		
<i>Society and Education</i>				
EDU 210	Literature for Children and Youth	3		
EDU 230	Child & Adolescent Growth and Development	3		
EDU 308	Methods of Teaching Social Studies in Elementary and Middle Schools	3		
FAR 310	Art of Service: Community Based Art Initiatives	3		
HIS 310	Topics in Public History	3		
HIS 390	Historical Methods	3		
MSM 300	Independent Studies in Museum Studies	3		
MSM 300	Museums and Education: Places of Learning	3		
	<b>TOTAL HOURS FOR MINOR</b>	<b>18 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## MUSIC MINOR

Contact: Dr. Natasia Sexton

Email: [natasia.sexton@wcmo.edu](mailto:natasia.sexton@wcmo.edu)

Music at Westminster integrates applied performance, acquired knowledge in history and theory, and interpretive analysis within the academic liberal arts framework. Not only do music courses develop artistic expressions and critical appreciation, but students enrolled in Westminster music courses also synthesize those skills throughout their college learning experience. Through private lessons, ensembles, and history and theory courses, students are challenged to communicate effectively, reason critically, solve problems, and to work collaboratively. Music courses are designed to develop the judgement, analytical capacity, and expressive integrity that will enable all students to act as purveyors and transmitters of the musical arts throughout their lives.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Music Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name	First Name	Middle Initial		
<hr/>				
Advisor		Date Minor Declared		
<hr/>				
Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses (6 hrs)</b>				
MUS 105	Fundamentals of Music	3		
MUS 201	Music of the Western World	3		
<b>Ensemble Participation (8 hrs)- Any combination of following for a total of 4 semesters enrolled in ensemble</b>				
MUS LB1	Instrumental Ensemble	2		
MUS LB5	Churchill Singers	2		
<b>Applied Lessons (4 hrs)</b>				
MUS 101	Voice	1		
or MUS 201 B	Voice			
MUS 101	Piano	1		
or MUS 201 A	Guitar	1		
or MUS 201 C	Guitar	1		
MUS 301 A, B, C	Piano, Voice, Guitar	2		
<b>One course selected from the following</b>				
MUS 312	Music of Resistance, Revolution, and Liberation	3		
MUS 335	Song in the Community	3		
TOTAL HOURS FOR MINOR		21 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---

---



## ONE HEALTH MAJOR

Contact: Dr. Dawn Holliday

Email: [dawn.holliday@wcmo.edu](mailto:dawn.holliday@wcmo.edu)

The health of people, animals and the environment are intimately connected. This major recognizes these connections and studies health at their intersection. As the human population grows and the health of the environment degrades, humans are coming into closer contact with animals. Because of this, countries may see more zoonotic diseases (e.g. Ebola) spreading to human populations. As human populations grow, they put more pressure on the environment and introduce more environmental chemicals, many with unknown and some with transgenerational effects. This major will set the scientific foundation and then explore some of the vectors that transmit disease, discuss global health issues, examine personal ethics, investigate the impacts of chemistry and delve into the interface of human, animals and the environment. This major will prepare students to address these One Health issues. Students with this major may find employment in both the public health sector as well as in wildlife biology or veterinary science.

Students majoring in One Health may not also major or minor in Biology or Environmental Science. Students may double major in Biochemistry (Biological Emphasis) but must do so in close coordination with the Department of Biological and Environmental Sciences. In order to earn a Major in One Health, students must earn a letter grade of C- or better in all listed courses needed to satisfy major requirements. At least 50% of all One Health hours used to satisfy the major must be Westminster Courses.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Biology Course Descriptions](#)
- [Chemistry Course Descriptions](#)
- [Environmental Science Course Descriptions](#)
- [Health and Exercise Science Course Descriptions](#)
- [Mathematics Course Descriptions](#)
- [Philosophy Course Descriptions](#)
- [Religious Studies Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: ONE HEALTH

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses: (22 hrs.)</b>				
BIO 114/115	Bioprocesses	4		
BIO 124/125	Biodiversity	4		
CHM 114/115	General Chemistry I	4		
CHM 124/125	General Chemistry II	4		
ENV 105	Intro. to Environmental Science	4		
MAT 114	Elementary Statistics	3		
<i>Students are encouraged to complete the above courses in their first 3-4 semesters.</i>				
<b>Disease Transmission &amp; Suppression (Complete one) ( 3-4 hrs.)</b>				
BIO 300	Immunology	3		
BIO 303	Microbiology	4		
BIO 315	Entomology	4		
BIO 330	Virology (BIO 301 recommended)	3		
<b>Human Health (6 hrs.)</b>				
<b>Required:</b>				
HES 261	Intro to Epidemiology	3		
<b>Complete one:</b>				
HES/GTS 240	Intro to Global Public Health	3		
HES/WGS 355	Women's Health Issues	3		
HES 357	Community Nutrition	3		
<b>Ethical Perspectives and the Environment (Complete one) (3 hrs.)</b>				
PHL 246	Environmental Ethics	3		
REL 324	Religion and the Environment	3		
<b>Animals Interacting with their Environment (Complete one) (3-4 hrs.)</b>				
BIO 205	Ecology & Field Biology	4		
ENV 350	Conservation Biology	3		
<b>The Health Impacts of Chemistry (Complete one) (3 hrs.)</b>				
BIO 310	Environmental Toxicology	3		
CHM 410	Medicinal Chemistry	3		
<b>Capstone (1 hr.)</b>				
BIO/ENV/HES 400	One Health Capstone	1		
<b>TOTAL HOURS FOR MAJOR</b>		<b>41-44 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.



## ORGANIZATIONAL LEADERSHIP MINOR

Contact: Prof. Ashley Dodson

Email: [Ashley.Dodson@westminster-mo.edu](mailto:Ashley.Dodson@westminster-mo.edu)

The Organizational Leadership minor involves a balance of classroom and community-based learning experiences. Students are exposed to contemporary leadership concepts and theories, and to their application in a variety of contexts. This minor includes skill development in critical thinking, creative problem solving, and ethical decision-making, which are the foundation to becoming a positive change agent, whether the change occurs at the personal, group, organizational, community, or global level. The courses help students develop and implement their own values-centered and strengths-based leadership philosophy and style that is grounded in ethics and contemporary theory.

This 21-credit hour minor involves courses in five core areas: leadership theory, cross cultural leadership, communication/conflict resolution, ethical decision-making, and management. The sixth requirement provides an opportunity to apply the core areas to an intensive leadership experience on campus or in the community.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Business Course Descriptions](#)
- [Organizational Leadership Course Descriptions](#)
- [Philosophy Course Descriptions](#)

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses (12 hrs)</b>				
BUS 220	Fundamentals of Management	3		
BUS/PSY 305	Industrial-Organizational Psychology	3		
LST 201	Leadership Theories & Practice	3		
SPE 203	Interpersonal Communication	3		
<b>Leadership in Practice (3 hrs)</b>				
LST 301	Organizational Leadership Mentoring	3		
LST 399	Leadership Internship	3		
or LST 133	Service Learning Leadership Lab	3		
<b>Ethics and Leadership Electives Options (3 hrs)</b>				
PHL 212	Introduction to Ethics	3		
PHL 242	Biomedical Ethics	3		
PHL 244	Business Ethics	3		
PHL 246	Environmental Ethics	3		
<b>Cross-Cultural Leadership Courses (3 hrs)</b>				
BUS 322	Cross-Cultural Management	3		
PSY 405	Cross-Cultural Psychology	3		
PSY 364	Stereotyping, Prejudice, and Group Conflict	3		
TOTAL HOURS FOR MINOR		21 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## PHILOSOPHY & RELIGIOUS STUDIES MAJOR

Professors: R. Geenen, J. McRae (Chair)  
Instructors: L. John, R. Simon

Contact: Dr. James McRae  
Email: [james.mcrae@wcmo.edu](mailto:james.mcrae@wcmo.edu)

The Philosophy and Religious Studies major provides students with a foundation in metaphysics (the nature of ultimate reality and religious/spiritual experiences), epistemology (the study of truth, knowledge, and critical thinking), ethics (moral theory, applied ethical issues, theological frameworks, and political theory), textual studies (analysis of literary genres, composition and redaction histories, and reception histories of sacred texts), ritual studies (exploring varieties of spiritual practices in various contexts), and aesthetics (the study of beauty and art).

Beyond the major, students may additionally choose between two optional concentrations of study: (1) Ethics and Social Justice or (2) Religious Literacy. Courses taken toward the major can also count toward these optional concentrations.

The major serves as a preparation for graduate study in philosophy, religious studies, and related fields, but also complements work in other disciplines such as political science, pre-law, history, English, business, environmental science, and pre-healthcare. Additionally, the major is designed to help students to flourish in a complex and diverse world.

The department chair may approve substitutions as deemed appropriate. Initial substitutions below:

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Economics Course Descriptions](#)
- [Organizational Leadership Course Descriptions](#)
- [Philosophy Course Descriptions](#)
- [Political Science Course Descriptions](#)
- [Psychology Course Descriptions](#)
- [Religious Studies Course Descriptions](#)
- [Security Studies Course Descriptions](#)
- [Women and Gender Studies Course Descriptions](#)



## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: PHILOSOPHY &amp; RELIGIOUS STUDIES

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
Required Courses – Choose THREE of the Following (9 hrs.)				
PHL 120	History of Philosophy	3		
PHL 212	Introduction to Ethics	3		
PHL 218	Introduction to Logic	3		
PHL/REL 102	World Religions	3		
REL 101	Introduction to the Bible	3		
THREE Upper-Level Courses in PHL/REL (9 hrs.)				
PHL/REL	Upper-Level Course	3		
PHL/REL	Upper-Level Course	3		
PHL/REL	Upper-Level Course	3		
THREE additional electives EITHER from PHL/REL OR from courses outside of the department with significant overlap with philosophy/religious studies themes (see sample list below) (9 hrs)				
ECN/ENV 377	Environmental and Resource Economics	3		
POL 314	American Constitutional Law and Politics	3		
POL 326	Environmental Politics and Policy	3		
POL 337	Human Rights and Security	3		
POL 351	Women and Politics	3		
PSY 364	Stereotyping, Prejudice, and Group Conflict	3		
SEC 325	Issues in Homeland Security	3		
SEC 337	Human Rights and Security	3		
WGS 315	Gender and Society	3		
WGS 335	Sex and Gender in the Christian Tradition	3		
WGS 351	Women and Politics	3		
Optional Concentrations: Students may either declare a general major in Philosophy and Religious Studies (detailed on the previous page) or elect to add a concentration in one of two different areas (see below). Concentrations allow students to demonstrate expertise in an academic area related to a field they might pursue in graduate or professional school (e.g., pre-law students might pick Ethics and Social Justice, while students bound for seminary might choose Religious Literacy).				

Concentrations do not increase the total number of hours required for the major (27 hours total). The courses in the concentrations below count toward the three upper-level courses and three electives that are required by the major (which are taken in addition to the required courses indicated on the previous page).				
Ethics and Social Justice Concentration (4 courses from list below, 3 of which must be from REL or PHL)				
LST 330	Diversity & Ethics in Leadership	3		
PHL 244	Business Ethics	3		
PHL 242	Biomedical Ethics	3		
PHL 246	Environmental Ethics	3		
PHL 324	Genetic Manipulation	3		
POL 337	Human Rights and Security	3		
POL/WGS 351	Women and Politics	3		
PSY 364	Stereotyping, Prejudice, and Group Conflict	3		
REL 307	Social Justice in Modern Christian Thought	3		
	TOTAL HOURS FOR MAJOR	27 hrs		
Religious Literacy Concentration (four courses from the following list)				
REL 101	Introduction to the Bible	3		
REL/PHL 102	World Religions	3		
REL/PHL 333	Asian Philosophy and Religion	3		
REL 319	Recent Christian Thought	3		
REL 316	The Teachings of Jesus	3		
REL 305	Perceptions of Death	3		
REL 342	Philosophy, Religion, and Science	3		
	TOTAL HOURS FOR MAJOR	27 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## PHILOSOPHY MINOR

Contact: Dr. James McRae

Email: [james.mcrae@wcmo.edu](mailto:james.mcrae@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Philosophy Course Descriptions](#)

---

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

---



---

Advisor	Date Minor Declared
---------	---------------------

---

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
PHL 120	History of Philosophy	3		
PHL 218	Introduction to Logic	3		
PHL	Any 300 or higher PHL course	3		
<b>Philosophy Elective Courses (9 hours)</b>				
PHL		3		
PHL		3		
PHL		3		
<b>TOTAL HOURS FOR MINOR</b>		<b>18 hrs</b>		

If transfer credit is accepted for minor requirements, please indicate that acceptance by initialing the listing of the course.

All Philosophy minors must have a grade of "C" or better in the classes needed to satisfy the minor requirements.

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## PHYSICS MAJOR

Associate Professor: L. Stumpe

Contact: Laura Stumpe

Email: [laura.stumpe@wcmo.edu](mailto:laura.stumpe@wcmo.edu)

The Department of Mathematics and Physics offers a major and a minor program of study in physics. Physicists seek a description of nature in terms of its most fundamental entities. They study systems ranging in size and complexity from quarks to the universe itself. The offerings of the department are planned to meet the following needs: (1) general cultural knowledge, (2) specific group requirements for majors in other departments, (3) basic subject matter for those preparing to enter various branches of engineering or other technical schools, and (4) a major in physics, for those intending to enter industry or to continue in graduate school.

Because of the emphasis placed on mathematics, chemistry, and computer science in the physics program, some students select an additional major or minor in one of these subjects.

Physical Chemistry I and II (CHM 424, 425, 434, and 435 may be substituted for PHY 314 Thermodynamics and PHY 315 Modern Physics. Majors must earn a grade of C- or better in all physics courses needed to satisfy major requirements.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Chemistry Course Descriptions](#)
- [Mathematics Course Descriptions](#)
- [Physics Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: PHYSICS

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
PHY 201	Physics I	4		
PHY 212	Physics II	4		
PHY 223	Physics III	3		
PHY 314	Thermodynamics	4		
PHY 315	Modern Physics	4		
PHY 324	Light	4		
<u>or</u> PHY 325	Electronics	4		
PHY 415 & 416	Introduction to Theoretical Physics I & II	8		
	<b>Total Hours for Required Courses</b>	<b>31 hrs</b>		
<b>Other Requirements:</b>				
Mathematics through MAT 312 Differential Equations		21-24 hrs.		
	MAT 090 or equivalent	2		
	MAT 111 or equivalent	3		
	MAT 121 or equivalent	3		
	MAT 124 or equivalent	5		
	MAT 214 or equivalent	4		
	MAT 224 or equivalent	3		
MAT 312	Differential Equations	3		
CHM 114, 115	General Chemistry I (lecture and lab)	4		
CHM 124, 125	General Chemistry II (lecture and lab)	4		
<b>Choose one of the following three options (6-8 hrs):</b>				
•	Completion of a two-semester sequence of courses in French or German, or certification of reading knowledge in one of the languages by the Department of Foreign Languages.	8		
•	CSC 104 and (MAT 325 Introduction to Numerical Analysis OR MAT 215 Linear Algebra)	6		
•	Six hours of computer science including CSC 111 Fundamentals of Computer Science I	6		
	<b>TOTAL HOURS FOR MAJOR</b>	<b>66-71 hrs.</b>		



## PHYSICS MINOR

Contact: Laura Stumpe

Email: [laura.stumpe@wcmo.edu](mailto:laura.stumpe@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Astronomy Course Descriptions](#)
- [Chemistry Course Descriptions](#)
- [Physics Course Descriptions](#)

ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
PHY 201	Physics I	4		
PHY 212	Physics II	4		
PHY 223	Physics III	3		
<b>Choose two of the following courses (7-8 hrs)</b>				
AST 211	Astronomy	3		
CHM 424/425	Physical Chemistry I	4		
PHY 314	Thermodynamics	4		
PHY 324	Light	4		
PHY 325	Electronics	4		
PHY 415	Introduction to Theoretical Physics I	4		
PHY 416	Introduction to Theoretical Physics II	4		
<b>TOTAL HOURS FOR MINOR</b>		<b>18-19 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## POLITICAL SCIENCE MAJOR

Professor: T. Gibson  
Associate Professor: K. Wright-Smith  
Assistant Professor: J. Holzer

Contact: Dr. Tobias Gibson  
Email: [tobias.gibson@wcmo.edu](mailto:tobias.gibson@wcmo.edu)

Political Science is a scientific and humanistic discipline that attempts to explain and evaluate politics and political systems in terms of fundamental empirical theories and general normative principles. Political science thus seeks not only to understand the struggles for power and influence that determine who gets what, when and how, but also to ascertain the best or most appropriate way for human beings to live together both within societies and the world community. Both the major and minor in political science are designed to give students a solid grounding in the three main sub-fields of the discipline: American government and politics; comparative politics; and international relations and security. The major program is further structured into three "tracks" to allow students to pursue a more advanced study of politics and government in a manner that is most conducive to their particular interests and professional goals.

All students majoring in political science ***must complete*** the three introductory courses. They are urged to take POL 112 and 211 before POL 212. ***All three introductory courses should be completed by the end of the sophomore year.***

Students contemplating graduate school in political science are strongly encouraged to take at least two semesters of a foreign language, Introduction to Computers, an advanced course in statistics, and a relevant methods course such as MAT 313, PSY 270, PSY 274, or ECN 367, or preferably POL/SOC 300, Social Science Research Methods.

All departmental majors must have an overall 2.0 average or better in all courses presented to satisfy the major requirements, including courses in the Pre-Law and Security Studies minors for the tracks two and three.

Westminster College and Missouri State University have entered into an agreement whereby Westminster students, majoring in either Security Studies or Political Science with a Security Studies track, may take courses through Missouri State's Defense and Strategic Studies Graduate Department. These may include Seated courses, Internet courses, and Web Conference courses. Permission to take these courses must be granted by Westminster College before students may enroll. The College will annually determine with Missouri State annual costs for these courses.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Business Course Descriptions](#)
- [English Course Descriptions](#)
- [Political Science Course Descriptions](#)
- [Philosophy Course Descriptions](#)
- [Security Studies Course Descriptions](#)
- [Speech Course Descriptions](#)

Major: POLITICAL SCIENCE

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade																																																																												
<b>Required Introductory Courses for all tracks (9 hrs):</b>																																																																																
POL 112	Introduction to Political Science	3																																																																														
POL 211	American Government and Politics	3																																																																														
POL 212	Introduction to International Relations	3																																																																														
or SEC 201	Introduction to Security Studies	3																																																																														
<b>Choose 3 elective POL courses for all tracks from any subfield; may include POL 320 (9 hrs)</b>																																																																																
POL 3xx/4xx		3																																																																														
POL 3xx/4xx		3																																																																														
POL 3xx/4xx		3																																																																														
<p>In addition to completing 18 hours of introductory and elective courses, all POL majors must complete either the Pre-Law Track, the Security Studies track, or the General Political Science Track.</p> <p><b>Track One: General Political Science Track (18 hrs)</b></p> <p>Required: Choose one upper-level course from each of the three subfields (9 hrs):</p> <table border="1"> <tr> <td>American Politics</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>Comparative Politics</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>International Relations and Security</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> </tr> </table> <p>Choose three other classes from either American Politics, Comparative Politics, or International Relations and Security (9 hrs) (Note: Up to 3 credit hours can be satisfied by an internship)</p> <p><b>American Politics Subfield Courses</b></p> <table border="1"> <tr> <td>POL 301</td> <td>The American Presidency</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>POL 304</td> <td>American Political Theory</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>POL 311</td> <td>Political Parties, Voting &amp; Campaign</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>POL 314</td> <td>American Constitutional Law &amp; Politics</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>POL 316</td> <td>American Jurisprudence</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>POL 328</td> <td>National Security Agencies</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>POL 332</td> <td>National Security Law I</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>POL 342</td> <td>The Supreme Court</td> <td>3</td> <td></td> <td></td> </tr> </table> <p><b>Comparative Politics Subfield Courses</b></p> <table border="1"> <tr> <td>GTS/POL 325</td> <td>Middle East and North African Politics</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>POL 306</td> <td>West European Government &amp; Politics</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>POL 308</td> <td>Post-Soviet Politics</td> <td>3</td> <td></td> <td></td> </tr> <tr> <td>POL 335</td> <td>Politics &amp; Security of Developing Nations</td> <td>3</td> <td></td> <td></td> </tr> </table>					American Politics	3			Comparative Politics	3			International Relations and Security	3							POL 301	The American Presidency	3			POL 304	American Political Theory	3			POL 311	Political Parties, Voting & Campaign	3			POL 314	American Constitutional Law & Politics	3			POL 316	American Jurisprudence	3			POL 328	National Security Agencies	3			POL 332	National Security Law I	3			POL 342	The Supreme Court	3			GTS/POL 325	Middle East and North African Politics	3			POL 306	West European Government & Politics	3			POL 308	Post-Soviet Politics	3			POL 335	Politics & Security of Developing Nations	3		
American Politics	3																																																																															
Comparative Politics	3																																																																															
International Relations and Security	3																																																																															
POL 301	The American Presidency	3																																																																														
POL 304	American Political Theory	3																																																																														
POL 311	Political Parties, Voting & Campaign	3																																																																														
POL 314	American Constitutional Law & Politics	3																																																																														
POL 316	American Jurisprudence	3																																																																														
POL 328	National Security Agencies	3																																																																														
POL 332	National Security Law I	3																																																																														
POL 342	The Supreme Court	3																																																																														
GTS/POL 325	Middle East and North African Politics	3																																																																														
POL 306	West European Government & Politics	3																																																																														
POL 308	Post-Soviet Politics	3																																																																														
POL 335	Politics & Security of Developing Nations	3																																																																														



POL 351	Women & Politics	3		
GTS/SEC 346	Chinese Politics and Influence	3		
<i>International Relations &amp; Security Subfield Courses</i>				
POL 305	International Law & Organizations	3		
POL 326	Environmental Politics and Policy	3		
POL 337	Human Rights & Security	3		
POL 362	American Foreign Policy	3		
SEC 312	Terrorism	3		
<i>Track Two: The Pre-Law Track (21 hrs)</i>				
Complete the Pre-Law Minor				
<i>Track Three: The Security Studies Track (18 hrs)</i>				
Complete the Security Studies Minor				
TOTAL HOURS FOR MAJOR (General Track)		36 hrs		
TOTAL HOURS FOR MAJOR (Security Studies Track)		36 hrs		
TOTAL HOURS FOR MAJOR (Pre-Law Track)		36 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## POLITICAL SCIENCE MINOR

Contact: Dr. Tobias Gibson  
Email: [tobias.gibson@wcmo.edu](mailto:tobias.gibson@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Political Science Course Descriptions](#)
- [Security Studies Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name		First Name		Middle Initial
Advisor		Date Minor Declared		
Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
POL 112	Introduction to Political Science	3		
POL 211	American Government and Politics	3		
POL 212	Introduction to International Relations	3		
or SEC 201	Introduction to Security Studies	3		
<b>Complete one upper-level course from each of the three subfields (9 hrs)</b>				
<i>American Politics</i>				
		3		
<i>Comparative Politics</i>				
		3		
<i>International Relations &amp; Security</i>				
		3		
TOTAL HOURS FOR MINOR		18 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## PRE-ENGINEERING MINOR

Contact: Dr. Bharat Dhital

Email: [bharat.dhital@westminster-mo.edu](mailto:bharat.dhital@westminster-mo.edu)

The Pre-Engineering minor at Westminster is designed for students who wish to combine a liberal arts education with a career in engineering. A student completing the Pre-Engineering minor will earn credit for the courses necessary to complete the dual engineering program with Washington University in St. Louis, Missouri University of Science and Technology, or Southern Illinois University at Carbondale.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Biology Course Descriptions](#)
- [Chemistry Course Descriptions](#)
- [Computer Science Course Descriptions](#)
- [Engineering Course Descriptions](#)
- [Physics Course Descriptions](#)
- [Mathematics Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
EGR/PHY 101	Introduction to Engineering & Design	3		
CHM 114/115	General Chemistry I	4		
MAT 312	Differential Equations*	3		
PHY 212	Physics II	4		
	A capstone course at the engineering institution taken the last semester before graduation or an approved project in the form of an Independent Study course at Westminster College	1-3		
<b>Electives (choose two)</b>				
BIO 301	Genetics	4		
CHM 124/125	General Chemistry II	4		
EGR/PHY 230	Engineering Mechanics-Statics	3		
MAT 215	Linear Algebra	3		
MAT 313	Mathematical Probability & Statistics	3		
PHY 328	Analogue Circuits	4		
<b>TOTAL HOURS FOR MINOR</b>		<b>21-25 hrs</b>		

\*The prerequisites for MAT 312 are MAT 224, MAT 215, and CSC 104 all of which must be completed with a grade of C- or better before enrolling in MAT 312.

If any substitutions or waivers of requirements are allowed, please list below and initial.



## PRE-LAW MINOR

Contact: Dr. Tobias Gibson

Email: [tobias.gibson@wcmo.edu](mailto:tobias.gibson@wcmo.edu)

The coordinator of the legal careers advisory committee will act as the coordinator for the pre-law minor.

Law-Oriented internships must be approved by Westminster's internship director. The coordinator of the legal career advisory committee will usually serve as the academic advisor for law-oriented internships. The law-oriented internship will typically include work with an attorney in private practice, a public defender or prosecutor, or a judicial official. All pre-law minors must have a C average or better in the classes presented to satisfy the minor requirements.

Students minoring in Pre-law and planning to attend law school are also urged to take one or more of the following courses:

Principles of Accounting I (ACC 215)

American Government and Politics (POL 211)

Principles of Microeconomics (ECN 212)

Introduction to Ethics (PHL 212)

Expository Writing (ENG 270)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Business Course Descriptions](#)
- [English Course Descriptions](#)
- [Political Science Course Descriptions](#)
- [Speech Course Descriptions](#)

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
BUS 223	Business Law	3		
PHL 218	Introduction to Logic	3		
POL 314	American Constitution Law & POL	3		
<i>or</i> POL 342	The US Supreme Court	3		
POL 316	American Jurisprudence	3		
SPE 101	Introduction to Speech Communication	3		
<i>or</i> ENG 270	Expository Writing	3		
<b>Elective Courses (6 hrs)</b>				
POL 304	American Political Theory	3		
POL 305	International Law & Organizations	3		
POL 399	Law-Oriented Internship	3		
TOTAL HOURS FOR MINOR		21 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## PSYCHOLOGY MAJOR

Professor: A. Coats (Chair), D. Jones

Associate Professors: R. Brunner

Assistant Professor: K. Lacey, L. Scott

Contact: Dr. Abby Coats

Email: [abby.coats@westminster-mo.edu](mailto:abby.coats@westminster-mo.edu)

Psychology is defined as the science of mental processes and behavior. The Department of Psychology offers both a major and a minor in psychology. The courses that comprise the psychology major are designed to acquaint the student with the systematic and quantitative demands of scientific thought, as well as to ensure that students will be able to comprehend human behavior from cognitive, environmental, and biological perspectives.

The Psychology Department's learning goals are for students to:

1. Develop a conceptual framework that includes important psychological facts, principles, and theories.
2. Use critical thinking to analyze human behavior recognizing behavior as the product of antecedents and consequents.
3. Develop quantitative reasoning skills to a level enabling organization and analysis of data from survey, field, or laboratory research.
4. Master use of computer technology in the execution and/or presentation of research findings.
5. Demonstrate writing skills incorporating APA style elements for the presentation of psychological findings.
6. Develop cooperative learning skills by working productively in groups providing leadership for task completion.
7. Demonstrate oral presentation skills incorporating APA style elements for the presentation of psychological findings
8. Master information gathering and integration, in which knowledge from several subfields in psychology is synthesized to address a major question.
9. Develop meaningful professional direction for life after graduation.

Beyond the pedagogical goals cited above, the curriculum is designed to provide introductory courses for the College's general education requirements, and a few collateral courses supplementing other major programs.

In order to graduate with Honors in Psychology, the student must fulfill the following requirements:

1. Graduate with minimum 3.50 GPA in psychology courses
2. Be a member of Psi Chi, the national honor society in psychology
3. Complete satisfactorily a senior thesis

Present at least one paper at an off-campus regional or national conference or have a publication in a refereed journal.

Majors are strongly urged to take a biology course, such as BIO 107 or NSC 108. MAT 114 Elementary Statistics is a required pre-requisite for the required PSY 270 course. No more than six credit hours of PSY 398 Independent Study may be counted towards meeting major requirements and only three credit hours from 200 level electives may be counted toward the major. Majors must earn a grade of C- or better in all psychology needed to satisfy major requirements. PSY 422 or PSY 431 must be taken while enrolled at Westminster. Graduation with a psychology major at Westminster will require that a student complete at least 20 hrs. of Westminster psychology courses with grades of C- or higher.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Psychology Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: PSYCHOLOGY

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Completed	Semester Completed	Grade
Required Courses (12 hrs):				
PSY 112	Psychology as a Natural Science	3		
PSY 113	Psychology as a Social Science	3		
PSY 270	Research Tools	3		
PSY 274	Methods in Experimental Psychology	3		
Four of the Following, with AT LEAST ONE from each list (12 hrs):				
<i>List One:</i>				
PSY 310	Social Psychology	3		
PSY 312	Developmental Psychology	3		
PSY 315	Psychology of Personality	3		
PSY 390	Abnormal Psychology	3		
<i>List Two:</i>				
PSY 290	Biological Psychology	3		
PSY 320	Memory and Cognition	3		
Two of the following Laboratories (2 hrs):				
PSY 311	Social Psychology Laboratory	1		
PSY 313	Developmental Laboratory	1		
PSY 316	Personality Laboratory	1		
PSY 321	Memory and Cognition Laboratory	1		
PSY 391	Abnormal Psychology Laboratory	1		
A Senior Capstone Course or Courses (3-6 hrs):				
PSY 422	Senior Seminar	3		
	<u>or</u> both			
PSY 430	Pre-Thesis <u>and</u>	3		
PSY 431	Senior Thesis	3		
Three Psychology electives- 9 hrs (6 hrs must be upper level)				
PSY 1xx/2xx				
PSY 3xx/4xx				
PSY 3xx/4xx				
TOTAL HOURS FOR MAJOR		38-41 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## PSYCHOLOGY MINOR

Contact: Dr. Abby Coats  
Email: [abby.coats@westminster-mo.edu](mailto:abby.coats@westminster-mo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Psychology Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
PSY 112	Psychology as a Natural Science	3		
PSY 113	Psychology as a Social Science	3		
<b>One of the following courses</b>				
PSY 274	Methods in Experimental Psychology	3		
PSY 270	Research Tools	3		
<b>One of the following courses</b>				
PSY 310	Social Psychology	3		
PSY 312	Developmental Psychology	3		
PSY 315	Psychology of Personality	3		
PSY 390	Abnormal Psychology	3		
<b>One of the following courses</b>				
PSY 290	Biological Psychology	3		
PSY 320	Memory and Cognition	3		
<b>One Laboratory course from the following list</b>				
PSY 311	Social Psychology Laboratory	1		
PSY 313	Developmental Psychology Laboratory	1		
PSY 316	Personality Laboratory	1		
PSY 321	Memory and Cognition Laboratory	1		
PSY 391	Abnormal Psychology Laboratory	1		
<b>TOTAL HOURS FOR MINOR</b>		<b>16 hrs</b>		

If transfer credit is accepted for minor requirements, please indicate that acceptance by initialing the listing of the course. All psychology minors must have a grade of "C-" in the classes needed to satisfy the minor requirements.

If any substitutions or waivers of requirements are allowed, please list below and initial.

---





## PUBLIC HEALTH MINOR

Contact: Dr. Amanda Gowin  
Email: [Amanda.gowin@wcmo.edu](mailto:Amanda.gowin@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Biology Course Descriptions](#)
- [Health and Exercise Science Course Descriptions](#)
- [Philosophy Course Descriptions](#)
- [Psychology Course Descriptions](#)
- [Sociology Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
HES 240	Introduction to Global Public Health	3		
HES 261	Epidemiology	3		
NSC 210	Anatomy & Physiology 1	4		
<b>or</b> BIO 302	Human Anatomy	4		
	Public Health Capstone: Advanced Research Study, Service-Learning Project, or Internship	3		
<b>Additional Courses:</b> Take at least one course from each of the following areas				
<b>Health Elective</b>				
HES 205	Stress Management	3		
HES 251	Introduction to Nutrition	3		
PHL 242	Biomedical Ethics	3		
PSY/WGS 301	Human Sexual Behavior	3		
PSY 330	Addictive Disorders	3		
<b>Applied Learning in Public Health</b>				
HES/WGS 355	Women's Health Issues	3		
HES 357	Community Nutrition	3		
	<b>TOTAL HOURS FOR MINOR</b>	<b>19 hrs</b>		
<b>Optional Courses:</b> These courses may be of interest to students with a Public Health minor				
BIO 335	Medical Terminology	1		
BIO 420	Physiology	4		
HES 104	First Aid and CPR	1		

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_



## RELIGIOUS STUDIES MINOR

Contact: Dr. James McRae  
Email: [james.mcrae@wcmo.edu](mailto:james.mcrae@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Philosophy Course Descriptions](#)
- [Religion Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
REL 101	Introduction to the Bible	3		
PHL/REL 102	World Religions	3		
<b>Elective Courses</b>				
REL	Upper-level REL course	3		
REL	Upper-level REL course	3		
REL	Upper-level REL course	3		
	A course from another department (i.e. with a course prefix other than "REL") that deals in a significant way with the phenomenon of religion will be selected in consultation with the student's academic advisor.	3		
<b>TOTAL HOURS FOR THE MINOR</b>		<b>18 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## SECURITY STUDIES MAJOR

Professor: T. Gibson

Associate Professors: K. Wright-Smith, M. Boulton

Assistant Professor: J. Holzer

Contact: Dr. Tobias Gibson

Email: [tobias.gibson@wcmo.edu](mailto:tobias.gibson@wcmo.edu)

Westminster College students who earn a major or minor in Security Studies will have the skill set necessary for job placement in the national security bureaucracy of the United States government, for placement in a national security graduate or law program, to work at a think tank or a nongovernmental organization or international nongovernmental organization, or to work for an international organization such as the U.N. or NATO.

Specifically, the student will be able to identify common threats to national, homeland, cyber and/or human security, to understand policy creation and implementation, and to think critically about possible threats and reactions to national security breaches, and be well versed in foreign policy objectives of the United States.

All Security Studies majors must complete the core Security Courses and one of the four tracks.

A GPA of at least 2.00 is required on courses needed for the completion of the major.

Westminster College and Missouri State University have entered into an agreement whereby Westminster students, majoring in either Security Studies or Political Science with a Security Studies track, may take courses through Missouri State's Defense and Strategic Studies Graduate Department. These may include Seated courses, Internet courses, and Web Conference courses. Permission to take these courses must be granted by Westminster College before students may enroll. The College will annually determine with Missouri State annual costs for these courses.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Cybersecurity Course Descriptions](#)
- [Health and Exercise Science Course Descriptions](#)
- [History Course Descriptions](#)
- [Military Science Course Descriptions](#)
- [Philosophy Course Descriptions](#)
- [Political Science Course Descriptions](#)
- [Psychology Course Descriptions](#)
- [Security Studies Course Descriptions](#)

Major: SECURITY STUDIES

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Core Courses (33 hrs)</b>				
PHL 400	Ethical Warfare	3		
POL 211	American Government	3		
POL 212	Introduction to International Relations	3		
or HES 240	Intro to Global Health	3		
POL 332	National Security Law	3		
POL 335	Politics and Security of Developing Nations	3		
POL 337	Human Rights and Security	3		
POL 362	American Foreign Policy	3		
SEC 201	Introduction to Security Studies	3		
SEC 205	Introduction to Homeland Security	3		
SEC 328	National Security Agencies	3		
SEC 420	Security Studies Thesis	3		
<b>Homeland Security Track (9-10 hrs):</b>				
PSY/SEC 364	Stereotyping, Prejudice, and Group Conflict	3		
SEC 300	Law and Homeland Security	3		
SEC 300	Criminal Law	3		
SEC 312	Terrorism	3		
SEC 325	Issues in Homeland Security	3		
	Internship	1-3		
MSC	ROTC Class (MSC 101 & 101.5; MSC 201 & 201.5 total of 4 credit hours)	4		
<b>National Security Track (9-10 hrs):</b>				
HIS 300	Vietnam Trip Orientation and Travel Abroad	3		
POL 301	The American Presidency	3		
POL 305	International Law and Organizations	3		
POL 308	Post-Soviet Politics	3		
POL 333	National Security Law II	3		
POL 346	Chinese Politics and Influence	3		
SEC 312	Terrorism	3		
SEC 334	Intelligence at Home and Abroad	3		
	Internship	1-3		

MSC	ROTC Class (MSC 101 & 101.5; MSC 201 & 201.5 total of 4 credit hours)	4		
<b>Cybersecurity Track (9-10 hrs):</b>				
CBR 210	Cybersecurity for Society	3		
CBR 220	Information Security	3		
CBR 331	Information Storage Management	3		
CBR 332	Digital Network Security	3		
CBR 340	Digital Forensics	3		
CBR 415	Information Security Policy	3		
CBR 399	Internship	1-3		
MSC	ROTC Class (MSC 101 & 101.5; MSC 201 & 201.5 total of 4 credit hours)	4		
	<b>TOTAL HOURS FOR MAJOR</b>	<b>42-43 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## SECURITY STUDIES MINOR

Contact: Dr. Tobias Gibson  
Email: [tobias.gibson@wcmo.edu](mailto:tobias.gibson@wcmo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Political Science Course Descriptions](#)
- [Security Studies Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name

First Name

Middle Initial

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses (9 hrs)</b>				
POL 362	American Foreign Policy	3		
SEC 201	Introduction to Security Studies	3		
SEC 328	National Security Agencies	3		
<b>Elective Courses (9 hrs) At least two electives must be upper-level</b>				
POL/SEC	Political Science/Security Studies Elective	3		
POL/SEC	Political Science/Security Studies Elective	3		
POL/SEC	Political Science/Security Studies Elective	3		
<b>TOTAL HOURS FOR MINOR</b>		<b>18 hrs</b>		

*Recommended: Although not required to earn a minor in Security Studies, it is highly recommended that a student take two years of foreign language and participate in an off-campus internship or study program related to Security Studies. All departmental minors must have an overall "C" average or better in the group of courses presented to satisfy the requirement for the Security Studies minor.*

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## SPANISH MAJOR

Spanish Major with Concentration in Translations  
Spanish Major without Concentration

Associate Professors: E. Salas-Durazo, A. Martin (Chair)

Contact: Dr. Allysha Martin

Email: [allysha.martin@westminster-mo.edu](mailto:allysha.martin@westminster-mo.edu)

The Department of Foreign Language and Literature offers major and minor programs of study in Spanish as well as supporting course work for the College's general education program and majors in International Business, and Transnational Studies. The programs of the Department develop speaking, reading, writing, and listening proficiency in Spanish at the beginning, intermediate, and advanced levels as well as an appreciation of the literature and cultures of the people who speak this language. In addition to the practical application of such acquired skills and knowledge to professional fields such as education, business, and science, it is believed that students will gain insight into their own language and culture through firsthand knowledge of another people's means of expression and cultural heritage. Regular work in the development of audio-lingual skills is required of first-year students. A student wishing to major or minor in Spanish should consult Dr. Salas-Durazo. It is possible to major in a language without having studied it in high school.

The 30 hours required of a major exclude SPA 101 and 102. The four electives for the Major in Spanish can include a maximum of two 200-courses (6 credits), except for the travel courses approved by the department. Approved travel courses listed as SPA 200 will count as an elective in the major. Majors must earn a grade of C or better in all Spanish courses needed to satisfy major requirements. Native, near-native, or heritage speakers of Spanish need to take a total of 30 credits. Students are encouraged to participate in an approved off-campus program in a country where Spanish is spoken.

Students who intend to become language teachers or to do graduate work in Spanish or related fields are urged to complete course work through the intermediate level in a second foreign language.

To graduate with Honors in Spanish, a student must 1.) Complete five upper-level Spanish Courses, four of which must be literature courses, with at least a 3.6 grade average; 2.) Complete SPA 425 Senior Honors Thesis/Project with a grade of A; 3.) Have at least 3.2 overall GPA.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Spanish Course Descriptions](#)

Major: SPANISH (with Concentration in Translations)

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
Required Courses (21 hrs):				
SPA 303	Advanced Spanish Conversation	3		
SPA 330	Translation I (Spanish-English)	3		
SPA 331	Translation II (Spanish-English)	3		
SPA 332	Translation III (Capstone Project)	3		
SPA 351	Introduction to Spanish Literature	3		
or SPA 353	19th & 20th Century Latin American Lit.	3		
SPA 377	Spanish Civilization	3		
or SPA 378	Latin American Civilization	3		
SPA 381	Advanced Grammar & Composition	3		
Elective Courses (9 hrs):				
<i>Three courses from the following list</i>				
SPA 200	Study Abroad	3		
SPA 203	Intermediate Spanish I	3		
SPA 204	Intermediate Spanish II	3		
SPA 305	Commercial Spanish	3		
SPA 310	Special Topics in Literature	3		
SPA 363	Spanish American Novel	3		
TOTAL HOURS FOR MAJOR		30 hrs.		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



Major: SPANISH (without Concentration)

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
Required Courses (18 hrs):				
SPA 303	Advanced Spanish Conversation	3		
SPA 351	Introduction to Spanish Literature	3		
SPA 353	19th & 20th Century Latin American Lit.	3		
SPA 377	Spanish Civilization	3		
SPA 378	Latin American Civilization	3		
SPA 381	Advanced Grammar & Composition	3		
Elective Courses (12 hrs):				
<i>Four courses from the following list</i>				
SPA 200	Study Abroad	3		
SPA 203	Intermediate Spanish I	3		
SPA 204	Intermediate Spanish II	3		
SPA 210	Intermediate Spanish Conversation	3		
SPA 220	Intermediate Spanish Grammar &	3		
SPA 305	Commercial Spanish	3		
SPA 310	Special Topics in Literature	3		
SPA 363	Spanish American Novel	3		
	TOTAL HOURS FOR MAJOR	30 hrs.		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## SPANISH MINOR

Contact: Dr. Allysha Martin  
Email: [allysha.martin@westminster-mo.edu](mailto:allysha.martin@westminster-mo.edu)

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [Spanish Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name

First Name

Middle Initial

Advisor		Date Minor Declared		
Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
SPA 210	Intermediate Spanish Conversation	3		
<i>or</i> SPA 303	Advanced Spanish Conversation	3		
SPA 378	Latin American Civilization	3		
<i>or</i> SPA 377	Spanish Civilization	3		
SPA 351	Intro to Spanish Literature	3		
<i>or</i> SPA 353	19 <sup>th</sup> and 20 <sup>th</sup> Century Latin American Lit	3		
SPA 381	Advanced Grammar and Composition	3		
<b>Elective Courses</b>				
SPA 200	Study Abroad	3		
SPA 203	Intermediate Spanish I	3		
SPA 204	Intermediate Spanish II	3		
SPA 305	Commercial Spanish	3		
SPA 310	Special Topics in Literature	3		
SPA 363	Spanish American Novel	3		
<b>TOTAL HOURS FOR MINOR</b>		<b>21 hours</b>		

*The 21 hours of the minor exclude SPA 101 and 102. Only two 200-level courses (six credits) count toward the minor (for example, combination of 203 and 204). Minors must earn a grade of C or better in all Spanish courses needed to satisfy minor requirements. Native, near-native, and heritage speakers of Spanish need 21 credits in order to complete the minor.*

If any substitutions or waivers of requirements are allowed, please list below and initial.

\_\_\_\_\_

\_\_\_\_\_



## SPORTS MANAGEMENT MAJOR

Associate Professor: R. Eames

Assistant Professors: A. Kulkarni, A. Rahman, T. Sorg, N. Wilbur

Contact: Dr. Sonia Manzoor

Email: [Sonia.Manzoor@wcmo.edu](mailto:Sonia.Manzoor@wcmo.edu)

The Sports Management Major will give the student a broad understanding of sport from participant's perspective and provide the necessary tools for a successful sports business enterprise at the collegiate level, and all levels of professional sports. Coursework will focus on principles and best practices, which will be implemented through an internship.

You can find the course descriptions for all courses required for this major by clicking on the following links:

- [Accounting Course Descriptions](#)
- [Business Course Descriptions](#)
- [Economics Course Descriptions](#)
- [Finance Course Descriptions](#)
- [Health and Exercise Science Course Descriptions](#)
- [Information Technology Course Descriptions](#)
- [Speech Course Descriptions](#)

## ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Major: SPORTS MANAGEMENT

Student's Last Name

First Name

Middle Initial

Advisor

Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses:</b>				
ACC 215	Principles of Financial Accounting	3		
BUS 205	Introduction to Sports Management	3		
BUS 210	Spreadsheet Applications in Business	3		
BUS 220	Fundamentals of Management	3		
BUS 250	Principles of Marketing	3		
BUS 315	Sports Promotion and Sales Management	3		
FIN 318	Corporate Financial Management	3		
HES 220	Social Science in Sport	2		
HES/PSY 231	Sports Psychology	3		
HES 406	Intro to Management in PE and Athletics	2		
SPE 101	Introduction to Speech Communication	3		
<u>or</u> SPE 203	Interpersonal Communication	3		
HES/PED/BUS 399	Internship	3		
<b>Choose one from the following (3 hrs):</b>				
BUS 330	Advertising and Brand Management	3		
BUS 334	Consumer Behavior	3		
BUS 345	Digital Marketing	3		
<b>Choose one from the following (3 hrs):</b>				
BUS 223	Business Law	3		
BUS 325	Entrepreneurship	3		
BUS 326	Human Resource Management	3		
BUS 327	Operations Management	3		
<b>TOTAL HOURS FOR MAJOR</b>		<b>40 hrs.</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---



## UNITED STATES HISTORY MINOR

Contact: Dr. Mark Boulton  
Email: [mark.boulton@wcmo.edu](mailto:mark.boulton@wcmo.edu)

Offered through the Department of History, this minor program of study introduces students to the scope and nature of historical evaluation, focusing on the example of U.S. history.

You can find the course descriptions for all courses required for this minor by clicking on the following links:

- [History Course Descriptions](#)

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

---

Student's Last Name	First Name	Middle Initial
---------------------	------------	----------------

---

Advisor

Date Minor Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
HIS 103	U.S. History to 1877	3		
HIS 104	U.S. History since 1877	3		
HIS 390	Historical Methods	3		
HIS	Upper level U.S. History course	3		
HIS	Upper level U.S. History course	3		
HIS	Upper level U.S. History course	3		
TOTAL HOURS FOR MINOR		18 hrs		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---

---



## WOMEN'S AND GENDER STUDIES MINOR

Contact: Dr. Kali Wright-Smith  
Email: [kali.wright-smith@wcmo.edu](mailto:kali.wright-smith@wcmo.edu)

The interdisciplinary minor in Women's and Gender Studies enables students to gain insights into the influence of gender on all forms of human endeavor. The program may be tailored to complement the student's major area of specialization, thus providing new perspectives on traditional academic disciplines and encouraging interdisciplinary comparisons.

### ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2022-2023

Student's Last Name	First Name	Middle Initial
Advisor	Date Minor Declared	

Course #	Title of Course	Hours Required	Semester Completed	Grade
<b>Required Courses</b>				
WGS 210	Introduction to Women's Studies	3		
WGS 410	Theory & Practice	3		
or WGS 399	Approved Off-Campus or ON-Campus Internship	3		
or LST 133	Three semesters of LST 133: Women in Leadership Lab (1 hour each)	3		
<b>Elective Courses</b> (Four courses from WGS the list below. One must be a course that focuses primarily on Women's issues (W) and one must be a course that focuses primarily on Gender issues (G). Nine hours must be selected from upper-level courses)				
ENG 340	Gender & Literary Expression (G)	3		
WGS/LST 205	Mediation and Conflict Resolution	3		
WGS/PSY 301	Human Sexual Behavior (G)	3		
WGS/PED 355	Women's Health Issues (W)	3		
WGS/POL 351	Women and Politics	3		
WGS/REL 335	Sex and Gender in the Christian Tradition	3		
WGS/SOC 315	Gender and Society (G)	3		
SPE 203	Interpersonal Communication (G)	3		
SPE 303	Communication in Relationships (G)	3		
<b>TOTAL HOURS FOR MINOR</b>		<b>18 hrs</b>		

If any substitutions or waivers of requirements are allowed, please list below and initial.

---



---

# PROGRAMS & CERTIFICATES

## PROGRAMS

### Chiropractic Dual-Degree Program

Contact: [Dr. Dawn Holliday](#)

Email: [dawn.holliday@westminster-mo.edu](mailto:dawn.holliday@westminster-mo.edu)

In an effort to better serve students intending to pursue the chiropractic profession, Logan University's Doctor of Chiropractic Program and Westminster College agreed for an articulated program. This agreement defines the course work to be completed at Westminster for a student intending to matriculate at Logan, special terms of admission to Logan (3+3) program, and special criteria for awarding of the Baccalaureate degree to participating students. For more information [visit Logan University online](#).

### Engineering Dual-Degree Program

Contact: Dr. Bharat Dhital

Email: [bharat.dhital@westminster-mo.edu](mailto:bharat.dhital@westminster-mo.edu)

The Dual Degree Engineering Program is a study designed for students who wish to become professional engineers or applied scientists. At Westminster, students spend their three or four years building a strong foundation in the humanities and social sciences while completing a Pre-Engineering minor and a major of their choosing (typically Math or Physics). Students meeting the admission expectations of the engineering institution should be able to complete the engineering degree with only two additional years of study. At the end of this time, the student will receive a Bachelor of Science degree in Engineering from the engineering institution and a Bachelor of Arts degree from Westminster College (assuming completion of the normal requirements for a B.A. degree).

Westminster has formal partnerships with Washington University in St. Louis Missouri S&T, and the University of Southern Illinois at Carbondale. Bachelor's degrees offered by the McKelvey at Washington University can be found on their [website](#). Bachelor's degrees offered by Missouri S&T can be found on their [website](#). Bachelor's degrees offered by the College of Engineering at Southern Illinois University at Carbondale can be found on their [website](#).

In order to qualify for the program students must fulfill the following requirements at Westminster:

- o A minimum of 70-90 semester hours of transferable college credit (courses with grades of C or better).
- o Engineering – Introduction to Engineering and Design
- o Mathematics – Calculus I, II, III and Differential Equations
- o Chemistry – One course, including laboratory
- o Computing and Digital Technology – One course or certified proficiency in a high-level programming language
- o Physics – Physics I and II with laboratory

- o All general education (breakthrough) requirements
- o Additional coursework which depends on the student's chosen engineering field

A GPA of 3.25 or better, both overall and in science and mathematics courses, is required for admission to the Dual Degree Program at Washington

University, and a GPA of 2.5 is required for admission to Missouri S&T. Applicants with lower GPAs are considered on a case-by-case basis. The liaison for the Dual Degree Engineering Program is [Dr. Peng Yu](#) of the Department of Mathematics.

### Fine Arts Program

Contact: [Dr. Natasia Sexton](#)

Email: [natasia.sexton@westminster-mo.edu](mailto:natasia.sexton@westminster-mo.edu)

The fine arts program offers a variety of courses in music. All students interested in participating in any music ensemble should complete a music questionnaire and return to the Fine Arts Coordinator.

Lecture courses include music appreciation, music theory I and II, music history and literature I and II and several other options for fine arts classes. Applied music courses are also available for students to enroll for private lessons in piano, voice, guitar, or a symphonic instrument on beginner/intermediate/advanced level.

Westminster offers a music minor program and a variety of self-designed majors involving music. Students interested in a music minor or other music programs should contact the Fine Arts Coordinator. Students may enroll for one or two credit hours in any choral or instrumental performance media during the fall and spring semesters. Courses in choral or instrumental groups, and applied private instruction may be repeated for credit.

### Learning Disabilities Program

Contact: [Karen Thompson-Wolfe](#)

Email: [karen.thompson-wolfe@westminster-mo.edu](mailto:karen.thompson-wolfe@westminster-mo.edu)

Westminster's nationally recognized Learning Disabilities Program provides comprehensive, personalized academic support services for students who have been clinically diagnosed with learning disabilities and neurocognitive disorders. Services provided by the Program's professional academic staff include individual instruction in compensatory learning strategies, support managing time, advocacy and academic advising. Although the program serves many students through graduation, the emphasis of the program falls in the first two semesters, focusing on the development of skills required for independent

success in a rigorous liberal arts curriculum. Students do not have to be enrolled in this program to access reasonable accommodations as described by the Americans with Disabilities Act (ADA).

### Nursing Dual-Degree Program

Contact: [Dr. Dawn Holliday](mailto:Dr.Dawn.Holliday)

Email: [dawn.holliday@westminster-mo.edu](mailto:dawn.holliday@westminster-mo.edu)

Westminster's Dual Degree Nursing Program is designed for students who wish to complete both an undergraduate, liberal arts degree (BA) and a degree in nursing (BSN). Westminster students may qualify for one of two programs: (1) the 3-2 program, through which they complete three years at Westminster and then two years at Barnes-Jewish College through the [Upper Division BSN Option](#); (2) the 4-1 program, designed for students who wish to spend four years at Westminster and one year completing the [Accelerated BSN Option at Barnes-Jewish College](#). Upon completion of the 3-2 option, students will receive both a BA from Westminster College and a BSN from Barnes-Jewish College. Students pursuing the 4-1 option will receive the Westminster degree at the end of the four years in residence, before going on to the Accelerated program to receive a BSN from Barnes-Jewish College. For degree requirements, please see the "Majors and Minors" section of the Catalog under Nursing, Dual-Degree Program.

### Athletic Training Dual Degree Program

Contact: Dr. Amanda Gowin

Email: [Amanda.gowin@wcmo.edu](mailto:Amanda.gowin@wcmo.edu)

Westminster's Dual Degree Athletic Training Program is a 3-2 program, through which students complete three years of study at Westminster College and then two years at Culver-Stockton College through the Masters of Athletic Training Program. Upon completion of the 3-2 option, students will receive both a BA in Exercise Science from Westminster College and a Master's Degree in Athletic Training from Culver-Stockton College. Culver-Stockton College is accredited by the Commission of Accreditation of Athletic Training Education (CAATE) and offers a Master of Athletic Training (MAT). Upon completion of the program, a student would be eligible to take the Board of Certification examination to become a certified athletic trainer (AT). 3-2 program allows Westminster College students the opportunity to complete this degree in the standard of 5 years. In order to enroll in coursework, students must fulfill the admission requirements for and be granted formal admission to the program.

### Self-Designed Major and Minor

Contact: Dr. Linda Webster

Email: [linda.webster@westminster-mo.edu](mailto:linda.webster@westminster-mo.edu)

Students with particular interests may prefer to design their own program of study in concert with a team of teacher-scholars. Westminster's Self-Designed Major/Minor allows a student to design a personalized program drawing upon the strengths of several disciplines and departments. For example, students have designed individualized programs of study through the Self-Designed Major leading to majors in advertising, classics, public

relations, and sports medicine. If the Self-Designed Major is approved, completion will satisfy the general degree requirement for a major. All other degree requirements must be fulfilled.

To complete an individualized degree program through the Self-Designed Major or Minor program, a student identifies a faculty advisor and one other faculty member. The faculty members must be from two different academic departments that best represent the courses listed for the major or minor. The student, with the aid of the faculty committee, develops a proposal for a major under the Self-Designed Major program, or a minor under the Self-Designed Minor program. One of the members of the committee must be designated as the student's primary academic advisor. The proposal should consist of a general description of and justification for the Self-Designed major and should indicate specific courses to be taken.

Generally, a student will begin the work under the Self-Designed Major after the freshman year, but in no case later than the start of the second semester of the junior year. Any exceptions to the start of a student's Self-Designed Major or Self-Designed Minor program must be approved by the Dean of Faculty. The academic advisor must meet with the student at least once each semester to review progress. A minimum of three semesters must be spent working under an approved plan. Forms are available from the Registrar's Office.

### Reserve Officer Training Corps (ROTC)

Westminster's Army ROTC program is in partnership with Lincoln University of Jefferson City, MO. As part of the ROTC scholarship program, enrolled students make an eight-year commitment to the U.S. Army. Different options are available to the students for fulfilling that commitment, including active duty, Army Reserves, or Army National Guard.

Contacts:

Lieutenant Colonel Nicholas (Nick) P. Bell  
Professor of Military Science (Department Head)  
Lincoln University  
(573) 681-5350  
[BellN@lincolnu.edu](mailto:BellN@lincolnu.edu)

First Lieutenant Robert Douglas  
Assistant Professor of Military Science  
Lincoln University  
(573) 681-5349  
[DouglasR@lincolnu.edu](mailto:DouglasR@lincolnu.edu)

### CERTIFICATES

#### Diplomacy

Contact: [Dr. Tobias Gibson](mailto:Dr.Tobias.Gibson)

Email: [tobias.gibson@westminster-mo.edu](mailto:tobias.gibson@westminster-mo.edu)

The diplomacy certificate allows students to develop in-depth expertise in the increasingly important field of diplomacy. Taken together, the classes offer students the opportunity to accumulate a great deal of knowledge about international relations and diplomacy, both from United States-centric and global contexts. Students will be able to articulate orally and in written word the skills necessary to understand diplomacy.

<b>Requirements for the Certificate in Diplomacy</b>
Choose 4 of the following courses



GTS 212; GTS 214	Model United Nations	3 hrs.
HIS 340	Topics in Diplomatic and Military History	3 hrs.
POL 305	International Law and Organizations	3 hrs.
POL 325	Middle East and North African Politics	3 hrs.
POL 362	American Foreign Policy	3 hrs.
<b>Total Hours</b>		<b>12 hrs.</b>

### French Communication

Contact: [Dr. Ingrid Ilinca](mailto:Dr.Ingrid.Ilinca@westminster-mo.edu)

Email: [Ingrid.ilinca@westminster-mo.edu](mailto:Ingrid.ilinca@westminster-mo.edu)

This is a pragmatic track that prepares the students for effective communication in speaking and writing at upper-intermediate to advanced level. Students learn how to apply their linguistic skills in the field of translation and in a capstone project or in a 5000-word research conducted in French. The capstone project can take many forms, from an internship, a study abroad experience, to the translation of an article in a field chosen by the student in consultation with the advisor. If the student writes a senior thesis in their major, he/she/they has the option to write a short version of the paper in French or can translate it into French.

Requirements for the Certificate in French Communication		
Required Courses		
FRE 300	Intro to Translation I	3 hrs.
FRE 303	Advanced Conversation	3 hrs.
FRE 306	Advanced Grammar and Composition	3 hrs.
Elective Course (one of the following)		
FRE 399	Capstone Project	3 hrs.
FRE 305	Commercial French	3 hrs.
FRE 358	The Individual in Society	3 hrs.
FRE 359	The Individual in Society II	3 hrs.
FRE 360	Literary Moments and Movements	3 hrs.
FRE 361	Topics in Literature and Culture	3 hrs.
FRE 362	The Francophone Civilizations	3 hrs.
FRE 363	French Civilization	3 hrs.
<b>Total Hours</b>		<b>12 hrs.</b>

### French For Business

Contact: [Dr. Ingrid Ilinca](mailto:Dr.Ingrid.Ilinca@westminster-mo.edu)

Email: [Ingrid.ilinca@westminster-mo.edu](mailto:Ingrid.ilinca@westminster-mo.edu)

In this program, students will be introduced to the communication practices in business, commerce, and related fields. They will become acquainted with specialized vocabulary and norms of professional correspondence. The capstone project needs to be decided in consultation with the advisor.

Requirements for the Certificate in French for Business		
FRE 305	Commercial French I	3 hrs.
FRE 300	Commercial French II	3 hrs.
FRE 306	Advanced Grammar and Composition	3 hrs.
FRE 399	Capstone Project	3 hrs.
<b>Total Hours</b>		<b>12 hrs.</b>

### French Language

Contact: [Dr. Ingrid Ilinca](mailto:Dr.Ingrid.Ilinca@westminster-mo.edu)

Email: [Ingrid.ilinca@westminster-mo.edu](mailto:Ingrid.ilinca@westminster-mo.edu)

Students who want to take the study of languages to the next level can complete this certificate of proficiency at intermediate level. This Certificate in French language focuses on students' communicative skills at intermediate level and their ability to apply such skills in real-life situations.

Requirements for the Certificate in French Language		
FRE 203	Intermediate French I	3 hrs.
FRE 204	Intermediate French II	3 hrs.
FRE 303	Advanced Conversation	3 hrs.
FRE 306	Advanced Grammar and Composition	3 hrs.
<b>Total Hours</b>		<b>12 hrs.</b>

### Global Literacy

Contact: [Dr. Kali Wright-Smith](mailto:Dr.Kali.Wright-Smith@westminster-mo.edu)

Email: [kali.wright-smith@westminster-mo.edu](mailto:kali.wright-smith@westminster-mo.edu)

Description: This certificate will allow Westminster graduates to show employers that they are certified in 'global literacy.' Graduates possessing this certificate will join for-profit and non-profit organizations and utilize this certification to assist colleagues and the organization's leadership in making the organization more aware of global and multicultural issues (applying 'inclusive excellence') This certificate will also allow the graduate to assist organizations in global leadership and logistics in international public and private settings.

Requirements for the Certificate in Global Literacy		
Required Course		
FLG 101	First Semester of a Foreign Language	3 hrs.
Two 300-level Courses from two of the following groups in the Global & Transnational Studies major		
<i>Environment and Health</i>		
BIO 320/321	Biology in Belize	3 hrs.
ECN/ENV 377	Environmental & Resource Economics	3 hrs.
GEO 320/321	Geology and Environment of the National Parks Seminar	4 hrs.
POL 326	Environmental Politics and Policy	3 hrs.
PSY 405	International & Cross-Cultural Psych	3 hrs.
WGS/HES 355	Women's Health Issues	3 hrs.
<i>Global Economic Development</i>		
ECN 310	International Trade and Finance	3 hrs.
ECN 331	Intermediate Macroeconomic Theory	3 hrs.
ECN 334	Economic Development	3 hrs.
GTS 320	Global Inequality	3 hrs.
<i>Global Justice and Human Rights</i>		
EDU 385	Diversity in Education	3 hrs.
ITS 399	Global Human Rights Internship	3 hrs.
POL 305	International Law and Organization	3 hrs.
POL/SEC 337	Human Rights and Security	3 hrs.
<i>International Relations and Diplomacy</i>		
GTS/POL 306	West European Government and Politics	3 hrs.
HIS 340	Topics in Diplomatic and Military History	3 hrs.
HIS 350	Topics in Early World History	3 hrs.
HIS 360	Topics in Modern World History	3 hrs.

POL 362	American Foreign Policy	3 hrs.
POL/SEC 335	Politics & Security of Developing Nations	3 hrs.
<i>Global Cultures</i>		
ENG 300	Booker Prize Fiction Writing	3 hrs.
ENG 330	Visions & Revisions	3 hrs.
ENG 345	Ethnic Literature	3 hrs.
FRE 362	Francophone Civilizations	3 hrs.
GTS 310	Memory & Culture in Global Perspective	3 hrs.
GTS	Depth Course: an upper-level integrative GTS course that meets the program chair's approval	3 hrs.
PHL 333	Asian Philosophy & Religion	3 hrs.
POL 325	Middle East and North Africa Politics	3 hrs.
PSY 405	International & Cross-Cultural Psych	3 hrs.
SOC 317	Race and Ethnicity	3 hrs.
<b>Total Hours</b>		<b>12 hrs.</b>

### Health Humanities

Contact: Dr. Jim McRae

Email: [James.McRae@westminster-mo.edu](mailto:James.McRae@westminster-mo.edu)

The Health Humanities certificate will offer students a humanistic study of the medical experience in order to prepare students for decision-making and ethical judgement in the health care industry. The certificate complements the hands-on, practical skills students will gain in other disciplines as they prepare for careers in medicine and public health. The courses required for completion of this certificate will ask students to consider the intangible impact of medicine on the person and on the community. Students will study biomedical ethics, medical practices across historical time periods and cultures, approaches to death and dying, the implications of medical science, and artistic representations of health and healing. They will explore the deeper questions that always arise when a person's health and humanity are at stake. This certificate is ideal for students planning to become health care providers or administrative decision makers in the medical field.

Requirements for the Certificate in Health Humanities		
Required Courses		
PHL 242	Biomedical Ethics	3 hrs.
Elective Courses (9 hours required)		
ENG 372	Creative Writing-Prose	3 hrs.
HIS 300	History of Medicine	3 hrs.
HUM 399	Independent Study	3 hrs.
PHL 302	The Meaning of Life	3 hrs.
PHL 324	Genetic Manipulation	3 hrs.
REL 305	Perceptions of Death	3 hrs.
<b>Total Hours</b>		<b>12 hrs.</b>

### Homeland Security

Contact: [Dr. Tobias Gibson](mailto:Dr.Tobias.Gibson)

Email: [tobias.gibson@westminster-mo.edu](mailto:tobias.gibson@westminster-mo.edu)

The student who completes the Homeland Security certificate will have a strong background in understanding and analyzing current and future homeland security threats, and have

developed necessary understanding of legal and policy processes regarding homeland security. By virtue of this certificate staffing, the student will also have had the opportunity to develop a network into Missouri's homeland security personnel and agencies. Finally, the student will have spent considerable time developing the ability to communicate orally and in writing, and have experience briefing policy makers.

Requirements for the Certificate in Homeland Security		
Complete four of the following courses		
SEC 200	Introduction to Homeland Security	3 hrs.
SEC 325	Issues in Homeland Security	3 hrs.
SEC 300	Domestic Terrorism	3 hrs.
SEC 300	Law and Homeland Security	3 hrs.
SEC 300	Homeland Security Policy and Politics	3 hrs.
<b>Total Hours</b>		<b>12 hrs.</b>

### Human Development and Family Studies

Contact: Dr. Abby Coats and Dr. Sue Serota

Email: [abby.coats@westminster-mo.edu](mailto:abby.coats@westminster-mo.edu);

[sue.serota@westminster-mo.edu](mailto:sue.serota@westminster-mo.edu)

The certificate in Human Development and Family Studies helps students understand the cognitive, social, emotional, and physical changes that occur across the lifespan, from conception through death. Students will understand how family contexts and social situations shape development. This certificate is useful for students who plan to work professionally with individuals of varying ages or families in varying circumstances.

Requirements for the certificate in Human Development and Family Studies		
Select four of the courses below; at least 2 courses must be from the starred list		
*EDU 225	Human Experience Across the Years	3 hrs.
*EDU 230	Child and Adolescent Growth and Development	3 hrs.
EDU 385	Diversity in Education	3 hrs.
FPL 2XX	Introduction to Financial Planning	3 hrs.
*PSY 312	Developmental Psychology	3 hrs.
*PSY/SOC 318	Adult Development and Aging	3 hrs.
REL 305	Perceptions of Death	3 hrs.
<b>Total Hours</b>		<b>12 hrs.</b>

### Museum Studies

Contact: [Dr. Mark Boulton](mailto:Dr.Mark.Boulton)

Email: [mark.boulton@westminster-mo.edu](mailto:mark.boulton@westminster-mo.edu)

A certificate in Museum Studies will introduce students to the theory and practice of museum studies and will provide them with a unique set of practical and vocational skills. The program aims to give them the necessary preliminary training for a career in a museum or public history environment. Among the skills they can learn are how to collect, handle, and preserve artifacts and how to interpret material culture for a museum audience. In addition, students will develop some awareness of the theoretical and practical issues involved in running a museum, such as how to set up exhibits, how to run educational and public outreach programs, how to raise funds, and how to keep records.

Requirements for the Certificate in Museum Studies
--

Required Courses		
MSM 200	Intro to Museum Studies	3 hrs.
MSM 300	Museum Internship	3 hrs.
Two of the Following Courses		
ACC 307	Government and Non-Profit Accounting	3 hrs.
FAR 310	The Art of Service	3 hrs.
HIS 310	Topics in Public History	3 hrs.
HIS 390	Historical Methods	3 hrs.
MSM 300	Independent Study in Museum Studies	3 hrs.
MSM 300	Museums and Society	3 hrs.
MSM 300	Museums and Education	3 hrs.
MSM 300	Museums and Collections	3 hrs.
SPE 310	Business & Professional Communication	3 hrs.
Total Hours		12 hrs.

### National Security Law

Contact: [Dr. Tobias Gibson](mailto:Dr.Tobias.Gibson)

Email: [Tobias.Gibson@westminster-mo.edu](mailto:Tobias.Gibson@westminster-mo.edu)

The National Security Law certificate allows students to develop in-depth expertise in the increasingly important field of national security law. Taken together, the classes offer students the opportunity to accumulate a great deal of knowledge about international law (treaties; Geneva Conventions; United Nations policy; human rights law; laws of armed conflict) and national and homeland security law (Fourth Amendment issues; *Posse Comitatus*; legal institutions). The students will be able to articulate orally and in writing about the pressing legal issues domestically and internationally related to security issues.

Requirements for the Certificate in National Security Law		
Select four of the courses below		
POL 305	International Law and Organizations	3 hrs.
POL 314	Constitutional Law	3 hrs.
POL 332	National Security Law I	3 hrs.
POL 333	National Security Law II	3 hrs.
SEC 300	Law and Homeland Security	3 hrs.
Total Hours		12 hrs.

### Non-Profit Management

Contact: [Dr. Robert Eames](mailto:Dr.Robert.Eames)

Email: [Robert.Eames@westminster-mo.edu](mailto:Robert.Eames@westminster-mo.edu)

The coursework is specifically chosen to enhance student knowledge and leverage student managerial skills in today's challenging non-profit environment.

Requirements for the Certificate in Non-Profit Management		
BUS 220	Fundamentals of Management	3 hrs.
BUS 322	Cross-Cultural Management	3 hrs.
BUS 326	Human Resource Management	3 hrs.
BUS 353	Non-profit Management	3 hrs.
Total Hours		12 hrs.

### Spanish Communication

Contact: Dr. Allysha Martin

Email: [Allysha.Martin@westminster-mo.edu](mailto:Allysha.Martin@westminster-mo.edu)

This is a pragmatic track that prepares the students for effective communication in speaking and writing. Students learn how to

apply their linguistic skills in the field of translation and in a capstone project or in a 5000-word research project. The capstone project can take many forms, from an approved internship, a study abroad experience, to the translation of an article in a field chosen by the student in consultation with the advisor. If the student writes a senior thesis in their major, he/she/they has the option to write a short version of the paper in Spanish or can translate it in Spanish, depending upon the complexity of the project.

Requirements for the Certificate in Spanish Communication		
Required Courses		
SPA 330	Translation I (Spanish-English)	3 hrs.
SPA 303	Advanced Conversation	3 hrs.
SPA 381	Grammar and Composition	3 hrs.
Select one course from the list below		
SPA 399	Capstone Project	3 hrs.
SPA 305	Commercial Spanish	3 hrs.
SPA 310	Special Topics in Literature	3 hrs.
SPA 351	Intro to Spanish Literature	3 hrs.
SPA 353	19th & 20th Century Latin American Lit.	3 hrs.
SPA 363	Spanish-American Novel	3 hrs.
SPA 377	Spanish Civilization	3 hrs.
SPA 378	Latin-American Civilization	3 hrs.
Total Hours		12 hrs.

### Spanish For Business

Contact: Dr. Allysha Martin

Email: [Allysha.Martin@westminster-mo.edu](mailto:Allysha.Martin@westminster-mo.edu)

In this program, students will be introduced to the communication practices in business, commerce, and related fields. They will become acquainted with specialized vocabulary and norms of professional correspondence. The capstone project needs to be decided in consultation with the advisor.

Requirements for the Certificate in Spanish for Business		
SPA 305	Commercial Spanish I	3 hrs.
SPA 300	Commercial Spanish II	3 hrs.
SPA 381	Grammar and Composition	3 hrs.
SPA 399	Capstone Project	3 hrs.
Total Hours		12 hrs.

### Spanish Language

Contact: Dr. Allysha Martin

Email: [Allysha.Martin@westminster-mo.edu](mailto:Allysha.Martin@westminster-mo.edu)

Students who want to take the study of languages to the next level can complete this certificate of proficiency that focuses on students' communicative skills and their ability to apply such skills in real-life situations.

Requirements for the Certificate in Spanish Language		
SPA 203	Intermediate Spanish I	3 hrs.
SPA 204	Intermediate Spanish II	3 hrs.
SPA 303	Advanced Conversation	3 hrs.
SPA 381	Grammar and Composition	3 hrs.
Total Hours		12 hrs.

## Terrorism

Contact: [Dr. Tobias Gibson](mailto:Dr.Tobias.Gibson)

Email: [tobias.gibson@westminster-mo.edu](mailto:tobias.gibson@westminster-mo.edu)

Students will develop in-depth expertise in the history, causes, limits, and means of countering terrorism. Taken together, the classes offer students the opportunity to explore terrorism globally and domestically. Students will learn to think critically about the popular understandings of terrorism. Finally, the students will be able to articulate orally and in writing about the roots of terrorism, types of terrorism, and the real and imagined impacts of terrorism. This certificate can enhance the resume of students with majors in any of the College divisions. Examples include: Humanities; understanding the religious and historical contexts of terrorism; Natural and Mathematical Sciences; understanding issues surrounding cyberterrorism and terrorist attacks with biological agents; Social Sciences; counterterrorism policy; economic impact of terrorism.

Requirements for the Certificate in Terrorism		
HIS 340	Topics in Diplomatic and Military History	3 hrs.
POL 325	Middle East and North African Politics	3 hrs.
SEC 312	Terrorism	3 hrs.
SEC 300	Transnational Crime	3 hrs.
Total Hours		12 hrs.

## Translation (French to English)

Contact: [Dr. Ingrid Ilinca](mailto:Dr.Ingrid.Ilinca)

Email: [Ingrid.ilinca@westminster-mo.edu](mailto:Ingrid.ilinca@westminster-mo.edu)

In this program, students are introduced to foundational concepts of linguistics that facilitate the work of a translator. Such concepts are used when studying the theory and practice of translation. Through various translating exercises, the students have the opportunity to review and consolidate their French grammar and vocabulary. The translation techniques acquired in this program will be applied to a field chosen by the student in consultation with the advisor (the capstone project).

Requirements for the Certificate in French to English Translation		
FRE 300	Translation I	3 hrs.
FRE 300	Translation II	3 hrs.
FRE 306	Advanced Grammar and Composition	3 hrs.
FRE 399	Translation III (Capstone Project)	3 hrs.
Total Hours		12 hrs.

## Translation (Spanish to English)

Contact: Dr. Allysha Martin

Email: [Allysha.Martin@westminster-mo.edu](mailto:Allysha.Martin@westminster-mo.edu)

In this program, students are introduced to foundational concepts of linguistics that facilitate the work of a translator. Such concepts are used when studying the theory and practice of translation. Through various translating exercises, the students have the opportunity to review and consolidate their grammar and vocabulary in the foreign language. The translation techniques acquired in this program will be applied to a field chosen by the student in consultation with the advisor (the capstone project).

Requirements for the Certificate in Spanish to English Translation		
SPA 330	Translation I	3 hrs.
SPA 331	Translation II	3 hrs.
SPA 381	Grammar and Composition	3 hrs.
SPA 332	Translation III	3 hrs.
Total Hours		12 hrs.

## Women and Gender Studies

Contact: Dr. Kali-Wright-Smith

Email: [kali.wright-smith@westminster-mo.edu](mailto:kali.wright-smith@westminster-mo.edu)

A certificate in Women and Gender Studies is interdisciplinary in nature and enables students to gain insights into the influence of gender on all forms of human endeavor. Since students can take a variety of courses to complete the certificate, students can tailor the program to complement their major area of specialization, thus providing new perspectives on traditional academic disciplines and encouraging interdisciplinary comparisons.

Requirements for the Certificate in Women and Gender Studies		
WGS 210	Introduction to Women's Studies	3 hrs.
WGS 300	Approved Off-Campus Internship or Remley Women Advocate Internship	3 hrs.
WGS/SOC 315	Gender and Society	3 hrs.
One of the following		
ENG 340	Gender and Literary Expression	3 hrs.
WGS/PSY 301	Human Sexual Behavior	3 hrs.
WGS/HES 355	Women's Health Issues	3 hrs.
WGS/REL 335	Sex and Gender in Christian Tradition	3 hrs.
WGS/POL 351	Women and Politics	
Total Hours		12 hrs.

# COURSE DESCRIPTIONS

## ACC – Accounting

**ACC 215 Principles of Financial Accounting** (3 hrs.) This course emphasizes principles and procedures involved in the accounting process. An understanding and use of basic accounting data are stressed. The major topics covered include the basic accounting framework, financial statements, current and long-term assets and liabilities and corporate accounting. Offered every semester.

**ACC 216 Principles of Managerial Accounting** (3 hrs.) This course emphasizes principles and techniques used in the managerial accounting process. An understanding of cost behavior, cost determination and budgeting are stressed. Offered every semester. Prerequisites: ACC 215.

**ACC 307 Government and Non-Profit Accounting** (3 hrs.) This course deals with financial accounting and reporting concepts, standards and procedures applicable to (1) state and local government; and (2) non-profit and governmental universities, hospitals and other non-profit organizations. Financial management and accountability considerations peculiar to government and non-profit organizations are emphasized throughout the course. Offered every other fall semester, alternating with ACC 308. Prerequisites: ACC 216.

**ACC 308 Managerial and Cost Accounting** (3 hrs.) A course designed to acquaint students, whether or not they plan to continue accounting studies, with the uses of accounting for business operation and management. The content of the course emphasizes the accounting process in manufacturing organizations. Topics include cost allocation and control, cost systems, budgeting, variance analysis, break-even analysis and problems of alternative choice. Offered every other fall semester, alternating with ACC 307. Prerequisites: ACC 216.

**ACC 312 Intermediate Accounting I** (3 hrs.) A study of the nature, content and interpretation of corporate financial statements. Major topics covered include the conceptual framework of financial accounting, current assets, plant assets, and intangible assets. Offered every fall semester. Prerequisites: ACC 216 or permission of instructor.

**ACC 319 Federal Income Tax I** (3 hrs.) A study of federal income tax laws and their current application to individuals and partnerships, with emphasis on the individual income taxes. Offered every fall semester. Prerequisite: ACC 216.

**ACC 320 Accounting Information Systems** (3 hrs.) This course explores effective and efficient accounting information systems from a user's perspective. Specific coverage is devoted to the areas where the accountant interfaces with the system analyst. Offered every fall semester. Co-requisite: BUS 210.

**ACC 322 Intermediate Accounting II** (3 hrs.) This is a continuation of Intermediate Accounting I. Major topics include current and long-term liabilities (including bonds, pensions, and leases), corporate capital, with special attention to paid-in capital and retained earnings; investments, earnings per share, the statement of cash flows, and full disclosure issues. Offered every spring semester. Prerequisites: ACC 312.

**ACC 418 Advanced Accounting** (3 hrs.) This course is designed to study specialized accounting problems including partnerships, consolidated financial statements, international operations and segment reporting. Offered every spring semester. Prerequisites: ACC 322 or permission of instructor.

**ACC 419 Federal Income Tax II** (3 hrs.) This tax course focuses on corporations, partnerships, trusts and estates. The course addresses C Corporations, S Corporations, Flow-through Entities and partnership capitalization issues. The course utilizes research cases based on revenue rulings to further enhance the learning process. Offered every spring semester. Prerequisites: ACC 319.

**ACC 421 Auditing** (3 hrs.) This is a study of auditing standards, professional ethics, legal responsibility, various types of audits and their uses. A detailed examination of auditing procedures and techniques is made. Case studies are used in the course. Offered every spring semester. Prerequisites: ACC 322.



## AER - Aerospace Studies

**AER 110 Heritage and Values of the United State Air Force** (2 hrs.) A survey course designed to introduce students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force. Applies communicative skills. Leadership lab.

**AER 120 Heritage and Values of the United State Air Force** (2 hrs.) Continues introducing students to the United States Air Force and provides an overview of the basic characteristics, missions, and organization of the Air Force. Applies communicative skills. Leadership lab.

**AER 210 Team and Leadership Fundamentals** (2 hrs.) A survey course that focuses on laying the foundation for teams and leadership. The topics include skills that will allow cadets to improve their leadership on a personal level and within a team. The courses will prepare cadets for their field training experience where they will be able to put the concepts learned into practice. The purpose is to instill a leadership mindset and to motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate. Applies communicative skills. Leadership lab.

**AER 220 Team and Leadership Fundamentals** (2 hrs.) Continues laying the foundation for teams and leadership. The topics include skills that will allow cadets to improve their leadership on a personal level and within a team. The courses will prepare cadets for their field training experience where they will be able to put the concepts learned into practice. The purpose is to instill a leadership mindset and to motivate sophomore students to transition from AFROTC cadet to AFROTC officer candidate. Applies communicative skills. Leadership lab.

**AER 310 Leading People and Effective Communication** (3 hrs.) Focuses on teaching cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors. Leadership lab.

**AER 320 Leading People and Effective Communication** (3 hrs.) Continues teaching cadets advanced skills and knowledge in management and leadership. Special emphasis is placed on enhancing leadership skills and communication. Cadets have an opportunity to try out these leadership and management techniques in a supervised environment as juniors and seniors. Leadership lab.

**AER 410 National Security Affairs/Preparation for Active Duty** (3 hrs.) Designed for college seniors and gives them the foundation to understand their role as military officers in American society. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. The final semester provides information that will prepare the cadets for Active Duty. Leadership lab.

**AER 420 National Security Affairs/Preparation for Active Duty** (3 hrs.) Designed for college seniors and gives them the foundation to understand their role as military officers in American society. It is an overview of the complex social and political issues facing the military profession and requires a measure of sophistication commensurate with the senior college level. The final semester provides information that will prepare the cadets for Active Duty. Leadership laboratory.

## ART - Art

**ART 210 Photography I** (3 hrs.) This course introduces photography as an art form and emphasizes basic photographic principles and techniques. Camera with adjustable aperture and shutter required. Materials fee required and will be assessed at the beginning of the course.

**ART 215 Graphics Arts I** (3 hrs.) This course is an introduction to the language and ideas of graphic design. Students will acquire the fundamentals of desktop publishing including layout, design, and typography. The course is designed around software including Photoshop and Illustrator.

**ART 230 Survey of Western Art I** (3 hrs.) This is a study of sculpture, painting, architecture and the minor arts from early history to the Renaissance. The main focus is placement of the art of each period within the society by which it was produced.

**ART 231 Survey of Western Art II** (3 hrs.) This is a study of sculpture, painting, architecture and the minor arts from the Renaissance to contemporary times. The main focus is placement of the art of each period within the society by which it was produced.

## ASN - Asian Studies

**ASN 201 Introduction to Asian Studies** (3 hrs.) A broad and multifaceted introduction to several regions of Asia examining such concerns as history, politics, economics, religion, culture, society, and aesthetics.

## AST - Astronomy

**AST 211 Astronomy** (3 hrs.) An introduction to astronomy, including a study of the solar system, stellar populations, galaxies, the structure of the universe and theories of the origin of stars, galaxies and the solar system. An occasional evening laboratory is included. Prerequisites: MAT 111 or one year of high school algebra and one year of high school geometry.

## BIO - Biology

**BIO 114 Biological Processes** (3 hrs.). An introduction for the beginning student to fundamental organism and cellular processes such as molecular and Mendelian genetics and photosynthesis. Students must take this course in conjunction with BIO 115. This course is typically offered once per academic year in the fall semester. BIO 114/115 will satisfy the Scientific Inquiry (lab) Context in Tier II of New Foundations and the Natural Science Inquiry Theme of Breakthrough general education programs.

**BIO 115 Biological Processes Laboratory** (1 hrs.). Students conduct laboratory exercises selected to reinforce and augment lecture topics in BIO 114. Students are involved in setting up and management of experiments and in analysis of collected data. Students must take this course in conjunction with BIO 114. This course is typically offered once per academic year in the fall semester. BIO 114/115 will satisfy the Scientific Inquiry (lab) Context in Tier II of New Foundations and the Natural Science Inquiry Theme of Breakthrough general education programs.

**BIO 124 Biodiversity** (3 hrs.). This course acquaints students with the major subdivisions of the living world. Anatomical, morphological and life cycle characteristics of representatives of the various phyla and classes are introduced and phyletic and functional interrelationships are stressed wherever feasible. Students must take this course in conjunction with BIO 125. This course is typically offered once per academic year in the spring semester. BIO 124/125 will satisfy the Scientific Inquiry (lab) Context in Tier II of New Foundations and the Natural Science Inquiry Theme of Breakthrough general education programs.

**BIO 125 Biodiversity Laboratory** (1 hr.) This is a survey laboratory and is intended to demonstrate the changes in complexity of form and structure in both plants and animals as evolutionary processes have shaped organisms through geological time. Students must take this course in conjunction with BIO 124. This course is typically offered once per academic year in the spring semester. BIO 124/125 will satisfy the Scientific Inquiry (lab) Context in Tier II of New Foundations and the Natural Science Inquiry Theme of Breakthrough general education programs.

**BIO 204 Animal Behavior** (4 hrs.) This course will introduce students to the field of animal behavior focusing on an evolutionary approach. We will examine both proximate and ultimate causes for why animals behave as they do. Topics range from how neural mechanisms control behavior to why different types of mating systems have developed. This course focuses on how scientists study these areas. Students design and conduct experiments in animal behavior as part of the learning process. This course is typically offered every other academic year. Prerequisites: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115.

**BIO 205 Ecology and Field Biology** (4 hrs.) This course is designed to familiarize the student with the concepts and principles of ecology as a science. A wide variety of organisms and groups of organisms are studied in relation to various environmental conditions. Short local field trips are used to acquaint students with collecting, census, and ecological measurement techniques and devices. This course is typically offered every academic year in the fall semester. Prerequisites: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115.

**BIO 206 Laboratory Instruction Techniques** (1 hr.) This course is open to students who are qualified to serve as laboratory assistants in various biology courses. Students assist instructor in the laboratory and serve as mentors for students in course. This course is typically offered every semester during the academic year. Prerequisites: open by invitation to students who have earned an A or B average in NSC 108, BIO 124/125 (or BIO 100 General Biology I), or BIO 114/115.

**BIO 208 Functional Plant Morphology** (4 hrs.) This course is designed as an integrated study of the gross morphology, internal anatomy and physiology of vascular plants. Laboratory studies emphasize the interrelationships between plant form and function. This course is typically offered every other academic year in the spring semester. Prerequisites: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115.

**BIO 210 Biogeography** (3 hrs.) Biogeography is the study of the distribution of biodiversity over space and time. It aims to reveal where organisms live and at what abundance. It addresses the questions of which species, where and why (or why not). Biodiversity is viewed in light of historical factors, such as speciation and extinction, plate tectonics and glaciations, as well as in the light of current and future threats, including but not limited to climate change. This course is typically offered every other academic year. Prerequisites: BIO 124/125 and 114/115 for Biology and Environmental Science majors; NSC 108 and ENV 105 for non-majors.

**BIO 212 Research Methods in Biology and Environmental Sciences** (3 hrs.) Research methods will introduce you to tools and techniques used in the scientific research laboratory by offering a hands-on research experience allowing data collection, storage, and analysis. Topics include an examination of research types, design, and methodology, scientific communication, and data analysis. Prerequisites: BIO 114/115 and BIO 124/125 or CHM 114/115 and CHM 124/125. MAT 114 is recommended.

**BIO 301 Genetics** (4 hrs.) This course will be an introduction to and a survey of the science of genetics. Topics covered will include classical “Mendelian” genetics, population genetics, and modern molecular genetics. The laboratory will augment these approaches with traditional studies in fly genetics and current practices in molecular genetics. This course is typically offered once per academic year. Prerequisites: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115.

**BIO 302 Human Anatomy** (4 hrs.) This class is designed for students who are preparing for careers in health-related clinical or research professions or have a deep interest in understanding how the human body works. You will learn about the human form at the gross anatomical level delivered as a regional approach typical of professional schools. In the laboratory, we will be using anatomical models, skeletons, radiographs, and dissection to enhance your understanding of anatomy. This course will challenge you to apply this information to real world clinical and pathological problems. This course is typically offered every academic year in the fall semester. Prerequisites: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115.

**BIO 303 Microbiology** (4 hrs.) This course serves as an introduction to the structure, physiology, pathogenicity and ecology of microorganisms, particularly the bacteria and viruses. Laboratory work involves effective use of the microscope, staining procedures, handling of pure cultures, analysis of bacterial physiology and identification of unknown bacteria. This course is typically offered once each academic year in the fall semester. Prerequisites: BIO 124/125 (or BIO 100 General Biology I), and BIO 114/115.

**BIO 310 Environmental Toxicology** (3 hrs.) In this course, you will be introduced to the field of environmental toxicology from a biological perspective. We will discuss uptake of chemicals from the environment, biotransformation, and toxicity. We will examine a wide array of endpoints from cellular biomarkers to population-level effects in invertebrates and vertebrates, including humans. Prerequisites: BIO 124/125 and BIO 114/115

**BIO 314 Vertebrate Histology** (2-4 hrs.) The aim of this course is to introduce students to the microscopic anatomy and histophysiology of vertebrates. Particular emphasis will be placed on the interrelation between structure and function. In addition, this course will teach students to become proficient in using the microscope to interpret fine structure. This course is typically offered as independent study. Prerequisite: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115.

**BIO 315 Entomology** (4 hrs.) This course focuses on the biology of insects with the following three objectives: (1) An introduction to common methods used in the field of entomology. (2) The ability to identify many common insect orders and families, since it is impossible to understand something if you do not know what it is. Finally, (3) an introduction to the evolution, behavior, and ecology of this fascinating group. This course is typically offered every other academic year in the fall semester. Prerequisites: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115.

**BIO 318 Ornithology** (4 hrs.) Ornithology is the study of avian biology (birds). The broad goals of this course will be to (1) introduce you to the evolution, behavior, and ecology of birds; and (2) provide you with the ability to identify many common bird species in the wild by sight, sound, behavior, and habitat. This course meets twice a week in a lecture/laboratory class setting. Several trips will be taken into the field to identify birds. Please note that on rare occasions, the class period may run 10-20 minutes longer to accommodate longer trips afield. This course typically is offered every other academic year in the spring semester. Prerequisites: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115.

**BIO 320 & 321: Biology in Belize** (4 hrs.) This course serves as an introduction to the natural history, geography, pre- and post-Columbian history, land-use patterns, and current political climate of Belize, Central America. Following a preparatory spring semester seminar (BIO 320), a three-week Summer Session course (BIO 321) will be taught in Belize where students will study the biota of the offshore caves, coral reefs, grassland savannas and neo-tropical jungles. Special attention will be paid to local land use and conservation issues and the effects of ecotourism on the local economy and relevant ecosystems. Prerequisites: Completion of at least two courses in biology or permission of the instructor.

**BIO 322 Vertebrate Biology** (4 hrs.) Vertebrate Biology takes a comparative approach to the study of the diversity of vertebrate life both extinct and extant. Anatomy, ecology, behavior, and evolutionary history will all be discussed as part of a broad introduction to the vertebrates. The dissection of representative species of the major vertebrate groups is the focus of the weekly laboratory. This course is typically offered every other academic year. Prerequisites: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115.

**BIO 325 Molecular Cell Biology** (4 hrs.) This course is a study of eukaryotic cells at the molecular level. Topics include protein biosynthesis and trafficking, membrane structure and function, cellular, subcellular, and extracellular structure, and the cell cycle. The course correlates the cellular structures to their function within the cell. The laboratory is designed to complement these topics, with an emphasis on student self-design. This course is typically offered once every one-two academic years. Prerequisites: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115. BIO 301 Recommended.

**BIO 328 Insects and Human Affairs** (3 hrs.) This course provides an introduction to insects and their interactions with humans. Human beings and insects will be compared with respect to both form and function, and students will learn to distinguish the major groups of insects. The course will examine the effects of insects on agriculture (both harmful and helpful), the impact of insects on the course of human history, and their representation in art, music, and literature. This course is typically offered every other academic year in the spring semester. BIO 328 will satisfy the Scientific Inquiry (non-lab) Context in Tier II of the General Education Program and the STEM and Society Explorative Cluster of Breakthrough general education program.



**BIO 330 Virology** (3 hrs.) This course will introduce students to the basic biology of viruses and then look at some contemporary issues that involve viruses. Topics covered will include the cellular and molecular mechanisms of virus reproduction including virus structure, virus-cell interactions, virus infection, oncogenes, and viral transformation of cells to cancer. We will also consider the evolution and ecology of viruses and the epidemiology of viral infections. Examples will be taken from bacterial, plant, and animal viruses, including newly emerging viruses. Contemporary topics will include the AIDS epidemic, emerging pathogens such as West Nile virus, bird flu, or Ebola virus, the renewed threat of smallpox, etc. Portions of the course will include student-led discussions of specialized topics of their choice. Prerequisites: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115. BIO 301 recommended.

**BIO 335 Medical Terminology** (1 hr.) The course is designed to help students develop a vocabulary for accurately describing the human body and associated components, conditions, processes. This systematic approach to word building and term comprehension is based on the concept of: (1) word roots, (2) prefixes, and (3) suffixes primarily derived from Latin and Greek origins. This course is typically offered every academic year. Prerequisites: BIO 124/125 (or BIO 100 General Biology I), BIO 114/115, and permission of instructor required.

**BIO 372 Developmental Biology** (4 hrs.) How does the fertilized egg transform into an organism? What changes over time lead to the specialized tissues and organs of animals? Developmental Biology is a survey of animal development, from sperm and unfertilized egg through embryonic development. Molecular, cellular, genetic, and organismal topics will be included. This course will complement your studies of genetics, cellular, animal, and human biology as we discuss how genotype becomes phenotype. The laboratory will include descriptive and experimental approaches. Typically offered every other year. Prerequisites: BIO 124/125 (or BIO 100 General Biology I), BIO 114/115 and BIO 301 (Or with permission).

**BIO 398 Independent Research Projects** (1-4 hrs.) Students interested in independent reading or developing individual research projects may enroll in BIO 398 for variable credit. The faculty in the department strongly encourages students majoring in biology to develop and pursue at least one research project. This course is typically offered every semester during the academic year. Prerequisites: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115, and permission of the department chair.

**BIO 404 Biochemistry** (4 hrs.) This course is an advanced survey course for students who expect to continue graduate study in biology or continue on to a professional career in a health-related field. Topics include a detailed study of the structure of biological molecules and the function of enzymes, followed by a survey of basic intermediary metabolism. The laboratory is a project-based laboratory incorporating many of the principles covered in lecture. This course is typically offered once each academic year in the spring semester. Prerequisites: CHM 314, 315, 324, and 325 (CHM 324 & 325 can be taken concurrently with BIO 404), BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115.

**BIO 415 Human Gross Anatomy** (4 hrs.) Students will complete a human dissection, as a team, with a minimum of 6 hours of contact per week. The dissection will be completed as it would in a medical school gross anatomy course, to include a complete regional dissection. Additionally, an assessment of the health of the donor will be completed. The students will be required to share their findings with the community and in other courses as appropriate. This course is typically offered once each academic year in the fall semester. Prerequisites: BIO 124/125 (or BIO 100 General Biology I), BIO 114/115, and BIO 302 (Must have been taken at Westminster). The course is by application and consideration of faculty in the department, and requires instructor permission.

**BIO 420 Physiology** (4 hrs.) This class is designed for students who have a deep interest in understanding how the human body works. Physiological principles and examples will be geared towards humans, but in many instances are also applicable to other vertebrates. You will learn about how the human body functions at molecular, cellular and systems levels. This course will challenge you to apply this information to real world clinical and pathological problems. You will be expected to critically evaluate current scientific literature and discuss recent scientific findings with your fellow classmates. You will learn how to use physiological lab equipment and then conduct an independent research project. This course is typically offered once each academic year in the spring semester. Prerequisites: BIO 114/115, BIO 124/125 (or BIO 100 General Biology I) and BIO 302 or BIO 322 with a grade of C- or better.

**BIO 450 Evolution** (3 hrs.) Evolution is the unifying theory of biology. This course will examine Charles Darwin's theory of evolution by means of natural selection looking at the development of this theory and its modern applications. Topics will include the fundamental mechanisms for evolution, including those that are both adaptive and neutral with respect to the process of adaptation; human evolution; the origin and definition of a species; molecular evolution; the relationship between evolution and religion; and modern challenges, modifications, and support for this far-reaching theory. This course is typically offered every academic year in the fall semester. Prerequisites: BIO 124/125 (or BIO 100 General Biology I) and BIO 114/115, junior or senior status.

## **BUS - Business**

**BUS 131 Intro to Business** (3 hrs.) This introductory course will briefly explore the critical topics of the business environment. Beginning with business trends in the global environment, the course moves through small business ownership and how economics affects business, working with and understanding employees, fundamental marketing, human resource management, and managing financial resources. This is an excellent course to explore the subject matter of the general business world for those who have not done any business courses before and would like to get an introduction to the subject matter or to pursue further studies in the various fields in business administration. This

course does not count as an elective in the business administration department and is meant for non-business major students interested in exploring the basics of the major. It will count for credit towards graduation.

**BUS 205 Introduction to Sports Management** (3 hrs.) This course is an introduction to the contemporary world of sport business. The learning objectives of the course will be addressed in three discrete modules over the course of the semester. The first module introduces basic sport management concepts. In this module, students will learn what constitutes managing a sport, how to develop a professional perspective in the sport industry, and basic management concepts and practices in sport organizations. The second module dives deep into various segments of sport management. In this module, students will explore topics specific to sport participation, interscholastic athletics, intercollegiate athletics, professional sport, international sport, and new developments in the sport industry. The final module relates specific to sport business and management concepts. Using the sports industry perspective, many business principles will be covered, such as: marketing, strategic management, communication, sales and revenue generation, facility management and finance.

**BUS 210 Spreadsheet Application in Business** (3 hrs.) This course is designed to enable students to use Microsoft Excel to perform important data analysis and presentation for various business problems and thereby provide essential decision-making support to management. In the first few weeks of the course, students work on developing a functional understanding of Microsoft Excel by learning its basic capabilities for data analysis and presentation. Then the course exposes the students to more advanced data analysis tools in Excel such as Scenario Manager, Data Tables, Solver, etc. for a more complicated and comprehensive analysis of business problems. In the later part of the course, students learn to use Excel for important statistical analysis including descriptive statistics, regression analysis, randomized experiments, forecasting, etc.

**BUS 220 Fundamentals of Management** (3 hrs.) An introduction to the basic concepts of management and organization. A review of the historical development of management practices will precede the core areas of study, which include the processes of decision making and planning in organizations, concepts of organization design, measurement and control of organizational performance, and leadership and the direction of human activity. Case studies of actual organizations are used.

**BUS 221 Organizational Behavior** (3 hrs.) This course explores management practice in the workplace with an emphasis on the dynamics of individual and group behavior. Topics include organizational structure and design, managing in a global context, conflict in organizations, organizational culture, decision-making, group dynamics, and other contemporary issues in organizational behavior.

**BUS 223 Business Law** (3 hrs.) This course is designed to provide an understanding of rights, duties, and liabilities in business transactions. Topics covered include contracts, agency and employment, negotiable instruments, personal property, bailments, sales of goods, partnerships, corporations, real property and leases, insurance, security devices, bankruptcy, trusts, estates, and government agencies and regulations.

**BUS 250 Principles of Marketing** (3 hrs.) A survey of current concepts in marketing theory. Topics include the theory of exchange; product characteristics; channels of distribution; sales, promotion, and price policy; marketing research; and the "marketing concept."

**BUS 305 Industrial-Organizational Psychology** (3 hrs.) This course applies the principles of psychology to work and other organizational settings. It presents both traditional industrial applications (personnel selection, job design, training, and performance evaluation), more recent perspectives on organizational performance (group dynamics, romance in the workplace, leadership, problem solving, organizational design, organizational development, and organizational culture and socialization), recent work in ergonomics and engineering psychology, and consumer psychology. Offered occasionally. Prerequisites: PSY 112 or 113.

**BUS 315 Sport Promotion and Sales Management** (3 hrs.) This course is designed to give the student hands on experience with a professional or non-profit sports enterprise. Working with local and regional organizations, the students will develop a marketing or promotion plan or design and perform a research project. This is the capstone course for the Sports Management major. Prerequisites: ACC215, BUS 205, BUS220, and BUS250.

**BUS 322 Cross Cultural Management** (3 hrs.) This course explores ethnic, behavioral, demographic, and religious dimensions to show how cultural factors affect behavior in the US workplace and how cultural behavior affects managerial action. Within a guiding framework of contemporary management practice, particular emphasis is focused on dispelling stereotypical thinking, and identifying the interpersonal skills needed to be a successful and effective manager with a diverse workgroup. Prerequisite: BUS 220.

**BUS 325 Entrepreneurship** (3 hrs.) This course is designed to develop an understanding of the environment within which small business concerns function. The practical application of business theory will be stressed. Topics include areas of management, advertising, marketing research, customer credit, financing, and personnel. Prerequisites: ACC 215 and BUS 250.

**BUS 326 Human Resource Management** (3 hrs.) A review of the human resource management function in which the practices and underlying theory of the procurement, development, and the maintenance of the individual in an organization will be examined. The basic issues of employee satisfaction and employee productivity will be analyzed throughout the course. Cases will be utilized to explore the various concepts introduced. Prerequisites: BUS 220 or BUS 221.

**BUS 327 Operations Management** (3 hrs.) This course covers basic concepts, practices, and current themes of Operations Management in both production and service industries. Students learn how to make operations decisions such as those relating to capacity planning, inventory management, quality control, facility layout, and product design. Analytical and qualitative tools, as well as key metrics, are applied to real life and realistic problems. The class also emphasizes the interrelatedness and complexity of real-life operations and their place in strategic, global, and ethical contexts. Prerequisites: MAT 114, BUS 210.

**BUS 330 Advertising and Brand Promotion** (3 hrs.) This course examines the role of advertising in marketing and in society. Topics include communication theory, deception, regulation, the advertising campaign, message tactics, and media tactics. Prerequisites: BUS 250.

**BUS 334 Consumer Behavior** (3 hrs.) A detailed study of the forces that shape the process of consumer motivation and decision-making. Topics include theoretical models of consumer choice processes and the influences of culture, lifestyle, and demographics on the consumer. Marketing strategy formulation will be stressed. Prerequisites: BUS 250.

**BUS 337 Labor Relations** (3 hrs.) This course will examine the evolution of the labor movement since the mid-nineteenth century, particularly labor-management relationships. Topics covered will include: labor laws and other legal influences, union organizing, collective bargaining negotiations, administration of contracts, grievance processing, organizations and unions' adaptation to the changing environment of the 1990s and the future. Prerequisites: BUS 220.

**BUS 345 Digital Marketing** (3 hrs.) This course is designed to provide knowledge and awareness of the digital marketing techniques needed for successful marketing campaigns in a digital economy. In addition, the course will also provide the students with a theoretical understanding of the internet marketplace that is necessary to adapt to its many changes, while also equipping them with the skills they'll need to become a successful digital marketer. Prerequisite: BUS 250. Course offered every year in fall.

**BUS 353 Non-Profit Management** (3 hrs.) This course emphasizes a research experience that produces a business plan for a new nonprofit organization. Students will work in small groups and choose projects from various nonprofit ventures designed by the instructor that will produce workable operating plans to manage such nonprofit organizations. Students should expect a high level of interaction with the instructor, their fellow group members, and other students in the class as research results and methods are shared and analyzed. Classwork on the project will be supplemented with appropriate lecture and discussion topics relevant to understanding nonprofit organizations and how to manage them. Additionally, this course is meant to provide a capstone experience for the Nonprofit Management Certificate. This course also qualifies as an elective in the ABEF department and as an elective for the Management Concentration of the Business Administration degree. Prerequisites: BUS 220 or BUS 221 or BUS 250.

**BUS 360 Decision Making** (3 hrs.) This course studies how human beings make decisions, and how those decisions can be predicted, modeled, and improved. It covers a selection of behavioral and quantitative tools and perspectives, such as utility theory, risk preferences, decision trees, influence diagrams, value of perfect and imperfect information, linear programming, sensitivity analysis, what-if and scenario analysis, multicriteria decision making, and group decision making. This course can fulfill the analytical requirement of the Business major (as an alternative to BUS 327 and ECN 351).

**BUS 364 Introduction to Qualitative Research** (3 hrs.) This course explores the foundations and methodology of naturalistic inquiry. Topics include an examination of contemporary qualitative research paradigms, methodology, personal interviewing, interview guides and question construction, performing observations, focus groups, protection of subjects and privacy, and coding and analysis of data. Students will perform interviews and observations, code and analyze data, and participate in a group doing an open-ended qualitative survey project. Prerequisites: BUS 220 or BUS 221 or BUS 250.

**BUS 367 Hotel & Tourism Management** (3 hrs.) This course provides an in-depth look at hospitality operations in the general context of the tourism industry. Topics include an overview of the tourism industry, lodging operations, and food and beverage operations, as well as an examination of the duties of the hotel general manager, revenue management, the front office, and housekeeping. Students should expect a combination of textbook based assignments, drop box assignments involving online articles, discussion forum postings and responses, as well as online exams based on the lecture material and course readings. Prerequisites: BUS 220 or BUS 250 or ECN 212.

**BUS 450 Business Strategy** (3 hrs.) A course for second-semester seniors in which principles and theories of management, marketing, accounting, finance, and economics are used to analyze comprehensive case studies. A model for company-wide strategy planning will be studied. Prerequisites: ACC 215 and 216; BUS 220, 250 and 318; ECN 211 and 212.

## CBR - Cybersecurity

**CBR 110 Introduction to Cybersecurity** (3 hrs.) This course will introduce the field of cybersecurity and explore cybersecurity issues from national, international, transnational, institutional, and personal perspectives. We will utilize critical thinking to examine issues facing individuals and society, regardless of culture, such as terrorism, identity theft, and how individuals can be effective and safe users of technology. Readings and discussions from current literature will be included. Prerequisites: None. Offered every fall.

**CBR 220 Information Security** (3 hrs.) This course will introduce practices and policies for deterring, detecting, and responding to cyber-attacks on an organization. Topics include computer forensics, software security, information assurance, intrusion detection, network security, cloud computing, business continuity, identity theft, and threat identification. Risks and vulnerabilities will be explored in the areas of computing hardware and devices, users, digital network and communications, and data. Prerequisites: None. Offered every spring.

**CBR 331 Information Storage Management** (3 hrs.) This course provides a comprehensive introduction to storage technology which will enable the student majoring in any discipline to make more informed information storage decisions in the increasingly complex environment of a modern storage infrastructure within any organization. All organizations and academic disciplines are increasingly dependent on data and information residing on some form of network-based storage and dependent on its security, reliability, performance, and availability 24/7. The course focus is on storage architectures, features, and benefits of Intelligent Storage Systems including networked storage technologies; long-term archiving solutions; and the increasingly critical areas of information security, the emerging field of storage virtualization technologies, and information availability and business continuity. This course is appropriate for students from any discipline who desire to know more about managing the risks and features of information storage. Prerequisite: CBR 210 Cybersecurity for Society. Offered in the spring of every odd year.

**CBR 332 Digital Network Security** (3 hrs.) This course provides an overview of the area of digital computer networks and communication, including concepts and designs. Topics to be covered include networking models, and how data signals are transmitted and received. It explores the tradeoff between risk and access, and presents the security vulnerabilities that occur within a networked environment. Network security and defenses at the hardware, software, and policy levels will be identified. Hands-on lab activities will be used to reinforce the topics covered in the course. Prerequisites: CBR 210 or CBR 220. Offered in the fall of every even year.

**CBR 340 Digital Forensics** (3 hrs.) This course focuses on the tools and processes used by cybersecurity professionals to monitor, detect, and respond to cyber threats to an organization and other various types of computer crimes. Emphasis is placed on the acquisition and preservation of digital artifacts and evidence, data recovery, and information assurance. Hands-on lab activities will provide the students with opportunity to employ some of the current tools used for these purposes. Prerequisite: CBR 220. Offered every spring semester.

**CBR 360 Cyber Law and Ethics** (3 hrs.) Students in this class will explore legal and ethical issues related to the Internet, digital data, and the use of digital assets and how these constantly emerging issues effect society. Some of the topics explored in this class includes individual privacy, intellectual property, cyberbullying, censorship, fake news, discipline-specific compliance and regulations, and other current legal and ethical issues. Since the Internet and digital communication can easily cross the globe, an organization's digital assets may be controlled by the laws and ethics of another country. Students will learn how to develop appropriate information security policies and responses based on both legal and ethical considerations. Prerequisites: CBR 110 or CBR 220. Offered every spring.

**CBR 415 Information Security Policy** (3 hrs.) In our data driven, decision-oriented world in which we live, information is a critical and valuable asset of an organization. From real time data mining to global availability, the information of any organization today must be immediate, constant, and reliable. This course will use risk assessments of threats to business continuity/information availability (BC/IA) to plan for BC/IA needs, and describe the critical role that all members of an organization play in the IT BC/IA analysis and planning process. Topics will include data backup, replication, and archival; information security; cloud computing; and disaster recovery. As a final project, students will either develop a BC/IA plan for an actual organization or research a course topic in more depth. While this course is presented from a cybersecurity perspective, it is appropriate for students from any discipline who desire to know more about the dependencies between information, organization, and technology. Prerequisites: CBR 210 Cybersecurity for Society OR CBR 220 Information Security. Offered every spring semester.

**CBR 470 Cybersecurity Capstone** (1 hr.) This course provides students the opportunity to consolidate the coursework in the study of cybersecurity minor into a single capstone experience, although a minor in CBR is not a prerequisite. Working with the CBR minor advisor, students will select an appropriate project based on their interests and career goals within the field of cybersecurity. They may choose to emphasize a specific aspect of Cybersecurity, such as technical implementation, data analysis and decision-making, organizational policies, or national and international political implications. These research project will require the student to identify a topic, formulate a research plan, develop a project plan and timeline, conduct research, and prepare a culminating work. This work may include a research paper, policy recommendation, information assurance and business continuity plan for an organization, data analysis project, or procedures for monitoring and detecting and organization's digital assets. Prerequisites: CBR 110 or CBR 220; AND a non-CBR course related to cybersecurity pre-approved by the CBR Minor advisor. Offered as an independent course as needed.

## CDT - Computer and Digital Technology

**CDT 101 Computing Across Disciplines** (1 hr.) In this course, students will explore how computing impacts society across all different disciplines including the Sciences, Humanities, and Social Sciences. Students will conduct research to identify how technology is used within their own major or academic area of interest, think about their own personal and career goals, and develop a plan for enhancing their own computing skills. Prerequisites: none. Offered every spring.

**CDT 454 Computing Practicum** (1 hr.). Members of the Computing Practicum Class work with department faculty to maintain departmental computer labs, prepare and test lab activities and assignments, serve as peer tutors for students enrolled in classes offered through the CDT department, and other types of related activities. (Students desiring to learn more about tutoring and to develop tutoring skills are



encouraged to also enroll in LST 180 College Tutoring I.) This is a one credit hour course similar to an internship or mentoring course and will require an estimated 3 hours per week time commitment including 1 hour per week class meeting. It is an opportunity for students to develop skills related to conducting training activities, maintaining computer labs, and to develop specific career skills in which the student is interested . . . skills which will strengthen their resume. Emphasis is placed on career readiness skills. Course may be repeated for credit. Prerequisites: Declared major or minor in Computer Systems Analysis, Digital Media, Cybersecurity, or related self-designed program; AND junior or senior status; AND permission of instructor. Offered every semester.

## CHM - Chemistry

**CHM 105 Introduction to Chemistry** (3 hrs.) A survey course intended for non-science majors. Chemical phenomena, methodology, and theory are presented in the context of public policy issues such as air and water quality, the ozone layer, global warming, acid rain, and energy sources.

**CHM 106 Introduction to Chemistry Laboratory** (1 hr.) Laboratory experiences are provided that are relevant to the science and technology issues discussed in CHM 105. Meets three hours per week. Experimentation and data collection lead to an understanding of the scientific method and of the role that chemistry plays in addressing societal issues.

**CHM 114 General Chemistry I** (3 hrs.) A study of the fundamental principles and theories of chemistry with emphasis on stoichiometry, atomic theory, and bonding. This course is offered in every fall semester.

**CHM 115 General Chemistry I Laboratory** (1 hr.) Laboratory to accompany CHM 114. Meets three hours per week.

**CHM 124 General Chemistry II** (3 hrs.) A continuation of CHM 114 with emphasis on equilibrium, electrochemistry, kinetics, and thermodynamics. This course is offered every spring semester.

**CHM 125 General Chemistry II Laboratory** (1 hr.) Laboratory to accompany CHM 124. Meets three hours per week.

**CHM 304 Inorganic Chemistry** (3 hrs.) A survey of inorganic chemistry at the intermediate level. Emphasis is on descriptive chemistry with discussion also of atomic and molecular structure, bonding theory, coordination chemistry, and energy changes in inorganic reactions. Prerequisites: CHM 124/125.

**CHM 314 Organic Chemistry I** (3 hrs.) A systematic study of the compounds of carbon with emphasis on the principles of synthesis, analysis, and reaction mechanisms of organic functional groups. This course is offered every fall semester. Prerequisites: CHM 124/125.

**CHM 315 Organic Chemistry I Laboratory** (1 hr.) Laboratory to accompany CHM 314. A study of the techniques of synthesis and analysis of organic compounds. Meets three hours per week. Prerequisites: CHM 124/125.

**CHM 324 Organic Chemistry II** (3 hrs.) A continuation of CHM 314. This course is offered every spring semester.

**CHM 325 Organic Chemistry II Laboratory** (1 hr.) Laboratory to accompany CHM 324. Meets three hours per week.

**CHM 334 Analytical Chemistry I** (3 hrs.) A study of the principles and methods of quantitative analysis. Prerequisites: CHM 124/125.

**CHM 335 Analytical Chemistry I Laboratory** (1 hr.) Laboratory to accompany CHM 334. Gravimetric, volumetric and simple instrumental methods are studied. Meets three hours per week. Prerequisites: CHM 124/125.

**CHM 344 Analytical Chemistry II** (2 hrs.) Introduction to instrumental methods of analysis with emphasis on the principles of measurement and instrumentation. Prerequisites: CHM 334/335.

**CHM 345 Analytical Chemistry II Laboratory** (2 hrs.) Laboratory to accompany CHM 344. Methods may include polarography, spectrophotometry, chromatography, potentiometric titrations, and amperometric and conductometric determinations. Meets six hours per week.

**CHM 404 Biophysical Chemistry** (3 hrs.) Introduction to physical chemistry with special emphasis on biological applications. Topics to be discussed include thermodynamics, chemical and physical equilibria, and kinetics (especially enzyme kinetics). Designed for those students who would otherwise not be exposed to physical chemistry. Prerequisites: CHM 124/125, MAT 124.

**CHM 410 Advanced Topics in Chemistry** (3 hrs.) Special courses on various topics are offered under this listing. Past offerings include Medicinal Chemistry and Chemical Kinetics. May be repeated for credit with change of topic.

**CHM 422 Advanced Inorganic Chemistry** (3 hrs.) A study of the principles and theories of inorganic chemistry, emphasizing modern approaches to the field. Prerequisites: CHM 304, 324/325, MAT 224, and PHY 212, or permission of the instructor.

**CHM 424 Physical Chemistry I** (3 hrs.) Chemical thermodynamics and kinetics. Topics include properties of gases, laws of thermodynamics, free energy, chemical equilibrium, chemical kinetics, and rate laws. Additional topics may include chemical dynamic models, phase equilibrium, and electrochemistry. Prerequisites: CHM 124/125, MAT 214, and PHY 212 or PHY 213 or with permission of instructor.

**CHM 425 Physical Chemistry I Laboratory** (1 hr.) Laboratory to accompany CHM 424. Meets three hours per week. Prerequisites: CHM 324/325, CHM 344/345, MAT 224, and PHY 212.

**CHM 434 Physical Chemistry II** (3 hrs.) Quantum and statistical mechanics. Topics include quantum mechanical theory, quantum mechanical models for motion, the structure of atoms and molecules, molecular spectroscopy, and statistical thermodynamics. Prerequisites: CHM 424.

**CHM 435 Physical Chemistry II Laboratory** (1 hr.) Laboratory to accompany CHM 434. Meets three hours per week.

## CLA - Classics

**CLA 215 Mythology** (3 hrs.) An introduction to the nature of myth and its functions in society. The course will examine carefully myths of Greece, along with myths from a variety of other areas—typically northern Europe, India, Africa, the Near East, North and South America, and Asia.

**CLA 227 Greek Civilization** (3 hrs.) A chronological survey of ancient Greek life and thought with an emphasis on literature, the arts, political thinking, philosophy, religion, everyday life, and their influence on Western civilization. Open to students with no knowledge of the Greek language.

**CLA 228 Roman Civilization** (3 hrs.) A chronological survey of Roman life and thought with an emphasis on literature, the arts, political developments, practical philosophy, religion, everyday life, and the influences that these have had on Western civilization. Open to students with no knowledge of Latin.

**CLA 301 History and Methods of Archaeology** (3 hrs.) What archaeology is, how it is done, how it originated and developed, what archaeologists have accomplished, and how archaeology interacts with other scholarly disciplines are among the topics explored in this course. The purpose is to develop an informed understanding of archaeology and archaeological literature. There is extensive use of illustrative material drawn from American, Biblical, Classical, Minoan Mycenaean, Egyptian, and Mesopotamian digs. No laboratory or field work is required. Prerequisites: 3 hrs. in REL.

**CLA 351 Latin Literature in Translation** (3 hrs.) A survey of the major Latin writings, which have had the most influence on Western literature. The readings usually include comedies by Plautus and Terence, Lucretius' *On the Nature of Things*, select works of Cicero, the poems of Catullus, select poems and satires of Horace, Vergil's pastoral poems and the *Aeneid*, selections from Roman historians, select poems of Tibullus, Propertius and Ovid, select letters of Pliny the Younger, Petronius' *Satyricon*, select tragedies of Seneca, and Apuleius' *Golden Ass*. Prerequisites: CLA 215, CLA 227, CLA 228, or any 200-level literature course offered by the English department.

**CLA 352 Greek Literature in Translation** (3 hrs.) A survey of the major Greek writings, which have had the most influence on Western literature. Works to be read usually include the *Iliad* and *Odyssey* of Homer, the Homeric Hymns, selections from Greek lyric poets, the *Works and Days* of Hesiod, the *Odes* of Pindar, the historical works of Herodotus and Thucydides, selections from Plato and Aristotle and other philosophers, the poems of Theocritus, the *Argonautica* of Apollonius of Rhodes, select orations of Demosthenes and Aeschines, *Daphnis and Chloe* of Longus, select dialogues of Lucian, and select works of Plutarch. Prerequisites: CLA 215, CLA 227, CLA 228, HIS 105, HIS 106, PHL 221, or any 200-level literature course offered by the English department.

**CLA 361 Ancient Greek & Roman Drama** (3 hrs.) The course is a survey of ancient Greek and Roman drama—tragedy and comedy. Through an examination of the Greek plays of Aeschylus, Sophocles, Euripides, Aristophanes and Menander, and the Roman plays of Plautus, Terence, and Seneca, the students will become familiar with the origins, nature, and practice of ancient Greek and Roman drama and examine and reflect on the key ideas/motifs of the plays and their significance to the Greek and Roman audience and especially to the modern 21st century audience. Prerequisites: any one of the following: CLA 215, 227 or 228; PHL 212 or 221; POL 112 or 205; SOC 111; REL 101 or 102; ENG 205 or 248.

## CLS - College Learning Strategies

**CLS 090 Essentials of Reading and Writing** (3 hr.) This is a non-tier course designed for students who place into the class based on ACCUPLACER reading and writing scores. As a result, the course focuses on improving both reading comprehension and written expression. The goal of this course is to better prepare students for the rigors of college-level reading and writing assignments. The reading portion will address the four areas of competency: comprehension, reiteration, vocabulary, and context/content-based application across the curriculum. This will be accomplished through various reading and response exercises and evaluations throughout the semester. The writing portion of this course will focus on syntax, grammar, punctuation, word choice, and effective expression of and reaction to complex

issues. This course will prepare students to succeed in subsequent college courses that involve large quantities of reading and writing assignments.

**CLS 101 Supplemental Studies** (1 hr.) These courses are designed as companion courses for students enrolled in a variety of general education courses. The focus of these courses is geared toward helping students by reinforcing concepts and skills developed in the regular classroom and providing alternate study strategies of the content area. These courses will be offered on a CR/F basis only.

**CLS 105 Academic Recovery** (1 hr.) The Academic Recovery class (ARC) is a course designed to address academic obstacles that resulted in students being placed on Academic Probation as set forth by the Academic Policies and Procedures in the *Academic Catalog*. Students are presented tools and those tools are explained, practiced, and put into action for the purpose of assisting students to learn to be responsible for their current and future success, gain understanding of their own strengths and challenges as post-secondary learners, and pursue lifelong goals. Students will develop personal strategies to be successful learners in any situation, and gain an understanding of their motivation. Self-regulation and self-efficacy will be met through growth mindset, reflection, and metacognition of personal goals inside and outside of the classroom.

## CRJ - Criminal Justice

**CRJ 101 Introduction to Criminal Justice** (3 hrs.) This course provides a survey of the American criminal justice system. Topics of discussion include the roles of the three main components of the criminal justice system: the courts, law enforcement, and corrections. Special populations and issues addressed by the criminal justice system will also be examined.

## CSA – Computer Systems Analysis

**CSA 104 Programming Logic and Design** (3 hrs.) This course is an introduction to computer programming logic and design concepts that present the appropriate techniques and tools employed to clearly define and specify the functional requirements of a structured computer program. It promotes sound computer program design through a modular approach emphasizing logical reasoning and critical thinking that will enhance the design of any computer program. Students will test programming logic using a flowchart visualization tool and will explore coding examples from several different low- and high-level programming languages. This course also presents an introduction to the discipline of Systems Analysis and uses the systems development life cycle as a framework in which to introduce topics such as defining user requirements, documentation, software development methodologies, continuous quality management, and system testing strategies. Students will use general purpose software for creating program design documentation and will explore career opportunities in the discipline. It serves as a prerequisite to other programming courses offered through the department. (Previously offered as SEG 104).

**CSA 250 IT Infrastructure** (3 hrs.) The content of this course will present aspects of an organization's IT infrastructure, specifically networking, firewalls, servers, storage options, desktop computing, and mobile devices. Emphasis will be on advantages and disadvantages of different infrastructures and computing and storage options. Cloud computing technologies will be explored as viable options for storage, software, and computing needs of an organization. Information security considerations are included as essential component to any infrastructure decision. Prerequisites: none. Offered every fall.

**CSA 304 Structured Programming** (4 hrs.) This course provides students with experience in properly designing, implementing, and testing structured computer programs implemented in the C++ language using skills developed in CSA 104. The course extends the practice of problem solving, algorithm development, and program documentation forming the foundation for exploring C++ concepts in logic control structures, modular programming, functions, input, output, file processing, user defined data types, static arrays, and user defined function libraries. Programming concepts of code reuse, program interactivity, testing methods, data validation, and user interface design are incorporated throughout the course. Additional topics include proper programming techniques, strategies for debugging, interpreting design documents, and preparing documentation. Prerequisite: CSA 104. Offered every fall semester. (Previously offered as SEG 304).

**CSA 321 Python Programming** (3 hrs.) This course focuses on the essential elements of computer programming design and implementation for constructing applications using the Python programming language. Topics covered include expressions, variables, user-defined functions, logic structures, modules, and file processing. An introduction to Python libraries will include the built-in functions specifically for math, data science, graphics, and user interface applications. Additional topics include proper programming techniques, strategies for debugging, interpreting design documents, and preparing documentation. Interactive, hands-on assignments will provide the student opportunity to design software solutions to authentic problems encountered in a variety of disciplines and careers. Prerequisites: CSC 104. Offered every spring semester. (Previously offered as SEG 321)

**CSA 322 Information Visualization** (3 hr.) Using Excel and Python, students will explore different techniques for representing information for reporting via various media outlets. Additionally, specific Python libraries designed for working with a variety of input file types, file processing, data cleaning, and information visualization will be utilized. Students will have the opportunity to work with data files from a variety of academic disciplines. The ethical collection and use of organizational data will be discussed. This course includes a study of the transformation of organizational data into meaningful information. Students will learn how to use Python and Excel to effectively present information to a variety of audiences in a variety of formats to satisfy a research question or information need. Prerequisites: SEG 104 and SEG 321; or BUS 210. Offered every odd fall semester. (Previously offered as SEG 322)

**CSA 327 Database Systems** (3 hr.) This course will enable the student to translate the information needs of an organization into effective conceptual and logical data models that can be implemented in any relational database system. It utilizes a problem-based approach to learning focusing on teamwork, real-world examples, and in-class exercises allowing the student to immediately apply the knowledge gained. Students will have opportunities to create and manipulate a database from data design documents. Additional topics include

dataflow diagrams, database administration, the three-tiered database architecture, data normalization, database transaction management, data security, information assurance, and SQL programming. Prerequisites: CSA 104. Offered every even fall semester. (Previously offered as SEG 327).

**CSA 351 IT Project Management** (3 hr.) This course presents tools and techniques for managing IT systems development projects throughout the systems development life cycle. Topics managing project integration, scope, requirements, schedule, cost, staffing, quality, communications, risk, and procurement. Emphasis is also given to stakeholder management, leading the project team, and project documentation. Students will learn to utilize software tools such as Microsoft Project and Excel to facilitate project management tasks such as cost-benefit analyses, quality metrics, and communications. While the emphasis of this course is on IT systems project management, the concepts are easily transferrable to the management of any type of project. Prerequisites: BUS 220, CSA 104, or ITY 250. (Previously offered as SEG 351)

**CSA 390 Object Oriented Programming** (3 hrs.) This course focuses on the object-oriented programming methodology using the C++ programming language. This methodology is often used for developing large, complex information systems. Topics covered include data abstraction, inheritance, and reusable components. The use of classes and objects is incorporated throughout the object-oriented software development processes of scenario definition, design, building, implementation, and coding. Programming concepts enforced throughout the course specifically emphasize software reliability, testing, and reusability. Additional topics include proper programming techniques, strategies for debugging, interpreting design documents, and preparing documentation. Prerequisites: CSA 104 and CSA 304.

**CSA 404 Data Structures** (4 hrs.) A second course in computer programming in C++ that covers multi-dimensional arrays, dynamic arrays, pointers, user defined data structures, function and operator overloading, records and structs, exception handling, memory management, and various sorting algorithms. This course focuses initially on the basic common data structures (lists, stacks, queues, trees, heaps, graphs) using modular design. Classes and data abstraction are introduced. Careful attention is given to modular architecture that promotes reliability and reusability. Additional topics include proper programming techniques, strategies for debugging, interpreting design documents, and preparing documentation. Prerequisites: CSA 104 and CSA 304. Offered even spring semester. (Previously offered as SEG 404)

**CSA 470 Computer Systems Analysis Capstone I** (3 hrs.) This capstone course is to be taken in the fall semester of the senior year as the first course in a two-course capstone sequence. It would cover the first phases of the systems development life cycle including project estimation and planning, feasibility analysis, cost-benefit analysis, problem analysis, requirements elicitation and definition, solution and engineering design, and quality control planning. The student will engage in a systems development project approved by the instructor to be used to demonstrate concepts presented in the course. The student should select a software development project sufficient in scope to continue through the second capstone course. The project may incorporate programming, web development, media creation, or other type of software as part of the overall project. Additional topics include professional development, career exploration, communications, and technical writing. Prerequisites: CSA 104, CSA 304, or ITY 250, and CSA 351. Offered every fall semester. (Previously offered as SEG 470)

**CSA 480 Computer Systems Analysis Capstone II** (3 hrs.) This capstone course would be taken the spring semester of the senior year as the second course in the two-course capstone sequence. It would cover the final phases of systems development including building, testing, implementation, quality control, and measures of success. The student will engage in a systems development project approved by the instructor and continued from the first capstone course. The project may incorporate programming, web development, media creation, or other type of software as part of the overall system. At the end of this course, the student will have a working prototype of some component of their project, depending on scope and project goals. Heavy emphasis will be placed on quantitative metrics use for cost-benefit analyses, resource management, and quality control. Additional topics include professional development, career readiness, communications, and technical writing. Prerequisites: CSA 104, CSA 304, or ITY 250, and CSA 351, CSA 470.

## CSC - Computer Science

**CSC 398 Independent Study** (1-4 hrs.) Independent study under the supervision of faculty members on a particular topic agreed upon by both the student and instructor. Department consent required.

**CSC 399 Internship** (1-4 hrs.) Computer related experience in business or industry jointly supervised by faculty and computer professionals and consent of department.

## DIG – Digital Media

**DIG 250 Web Page Design** (3 hrs.) This course focuses on enabling students to compose and present a variety of digital content using web page technologies and subsequently entire web sites that are easily used by others to effectively find and navigate the information presented. Emphasis will be on the study of interface design concepts including content organization, use of color, typography, multimedia, and accessibility. Students will use general purpose software for creating design documentation and will explore career opportunities in the discipline. It serves as an introductory course to the Digital Media major and is a prerequisite to upper-level Digital Media courses. Prerequisites: None. (Previously offered as ITY 250).

## ECN - Economics



**ECN 110 Introduction to Economics** (3 hrs.) This introductory course will briefly explore the historical foundations of economics systems including the foundation of private property rights, the emergence of capitalism and market-based economy, and its rise in different forms in the US and around the world. The course will then move to the study of microeconomic topics such as scarcity, theory of markets and effects of the market structures on the resource allocation and social welfare. After exploring markets and market structures, the course will move into topics from macroeconomic such as measurements of an economy, basic classical and Keynesian theory and the macroeconomic tools of fiscal and monetary policy. Finally, this course will conclude with a look at the economics of international trade, and exchange rates. This is an excellent course to explore subject matter of economics for those who have not done any economics before and would like to get an introduction to its subject matter or to pursue further study in business and economics.

**ECN 211 Principles of Macroeconomics** (3 hrs.) An introductory course that examines, in an international context, the causes and consequences of economic growth, inflation and unemployment, and how government fiscal and monetary policies affect macroeconomic outcomes. Prerequisite: MAT 114 or MAT 122 or MAT 124.

**ECN 212 Principles of Microeconomics** (3 hrs.) An introductory course to acquaint the student with consumer choice, the market system, resource allocation, and the decisions of firms in markets with varying degrees of competition with applications relating to public policy. Prerequisite: MAT 114 or higher.

**ECN 308 Economics of Industrial Organization** (3 hrs.) In this course students will study business firms' behavior under different market structures. The course studies behavior of firms: their strategy, performance, and interactions under various market conditions and levels of competition. It explains and studies reasons behind business practices such as mergers, acquisition, price discrimination, advertising, product selections, innovations vertical restraints, cartels and exclusionary conducts. It also explains why there are economic regulations, such as antitrust and other industrial regulations. This course will introduce game theory as a tool of economic analysis. Prerequisites: ECN 212 and either MAT 122 or MAT 124 or permission from instructor. Basic understanding of principles of microeconomics, algebra, and calculus is necessary and these will not be reviewed in the class.

**ECN 310 International Trade and Finance** (3 hrs.) Studies international movements of goods and services and monetary flows. Covers international trade theory, trade policy, institutional evolution of the world economy, balance of payments and exchange rates. Prerequisite: ECN 211 and ECN 212.

**ECN 316 Public Finance** (3 hrs.) Examines the role of government in a market system and develops the tools necessary to evaluate government policies. Explores the development and growth of the public sector of the economy, the theory and character of public revenue, expenditure, and debt; studies the use of public finance to achieve economic stability, promote economic growth, and effect other social goals; and examines federal, state, and local taxes, expenditure, and administration. Offered every other spring semester. Prerequisites: ECN 211 and 212.

**ECN 325 Money, Banking, and Financial Markets (3 hrs.)** A study of the roles of the financial sector and of monetary policy on the economy. Explores essential features of financial markets; discusses concerns of bank managers in making investment choices; examines the roles of the Federal Reserve and banks in the money supply process; explores the importance of money in the economy; and examines the importance of exchange rate movements in international investing. Prerequisite: ECN 211.

**ECN 331 Intermediate Macroeconomic Theory** (3 hrs.) This course provides a working understanding of the economy as a whole in an international context. It examines the relationship between such measures of aggregate economic activity as income, unemployment, inflation and interest rates. It develops models of economic activity and uses them to analyze the effects of changes in the economic environment, private behavior and government policy. It also evaluates the potential for government fiscal and monetary policies to affect economic activities. Prerequisite: ECN 211, ECN 212 & MAT 114 or MAT 122 or higher.

**ECN 334 Economic Development** (3 hrs.) This course examines the concept and measurement of development, the main factors that prevent development from taking place, alternative approaches to guiding development, and how development can be made sustainable. It investigates how human resources are transformed in the process of economic development and how that transformation contributes to the development process itself. It discusses how capital is mobilized and allocated for development purposes. It also explores the importance of agriculture, primary production, and industrial development, and analyzes the macroeconomic management of a developing economy open to world markets. Offered every other fall semester. Prerequisites: ECN 211.

**ECN 337 Open Economy Macroeconomics** (3 hrs.) This is an applied macroeconomics course, where students will be exposed to the theories of open market international aspects of finance and macroeconomics. The course will investigate modern monetary and exchange rate relationships between countries. We will analyze the balance of payments of countries, understand the issues related to international capital flows, and explain how exchange rates are determined. In addition, the standard aggregate supply and demand and the IS-LM models will be expanded to open market economies. Prerequisites: ECN 211, ECN 212.

**ECN 351 Price theory and Managerial Decisions** (3 hrs.) An intensive study of the tools which economists use to analyze the allocation resources among alternative uses. Topics discussed include consumer demand (consumer's choice); the determinants of price, output, and employment in various market situations (production and markets); the effects of imperfect competition on resource allocation; and it

will then use the concepts to examine business decision techniques. Special emphasis will be placed on the statistical derivation and interpretation of demand and cost curves, and decision making under uncertainty. Prerequisites: ECN 212, MAT 114 and MAT 122.

**ECN 355 Research Methods for Business and Social Sciences Applications** (3 hrs.) This course provides the students with an overview of research methods that are commonly used to support economic, business, public policy research and decision-making. The course emphasizes business and social sciences applications. This course will enhance students understanding of quantitative, statistical and qualitative methods used in business, economics and other social sciences. Students will learn survey methods, sampling and probability distribution, statistical inference, multiple regression technique, time-series analysis and forecasting, and analysis of multivariate system using matrices such as input-output model, activity analysis, and simple linear programming. This course is writing intensive. Prerequisite: MAT 114, BUS 210, ECN 211, ECN 212, or Permission from instructor.

**ECN 360 Mathematical Economics** (3 hrs.) This course gives students majoring in economics and business a sound grounding in mathematical economics that has become indispensable for proper understanding of the current economics and business literatures. The course provides an introduction to a wide array of mathematical techniques used in solving economic problems and developing economic theories. Students will learn and apply integral and differential calculus, differential equations, linear algebra to study and explore economic optimization, static equilibrium analysis, linear economic models, and economic dynamics. The course will provide students an excellent grounding to work in applied and theoretical economics, econometrics and economic modeling. Prerequisites: MAT 124, MAT 215, and ECN 331, or permission from the instructor for students with strong mathematics background (such as seniors with Math majors or Economics majors who have combined GPA above 3.5 in MAT 122 and ECN 355).

**ECN 362 Sports Economics** (3 hrs.) This course introduces students to how economic concepts apply to the business and practice of sports. The sports world is filled with empirical evidence that illustrates economics in action and allows for testing economic theories. Basic economic models will be applied to evaluate professional and amateur sports. We will investigate topics such as the league structure, labor-relations, incentive structures, salary caps, stadium financing, etc. In addition to our attention to professional sports, we will also spend a portion of our time on college athletic programs. By the end of the course, students should be able to distinguish the sports industry from most other types of business industries. Prerequisites: MAT 114, MAT 122 or higher, and ECN 212.

**ECN 364 Labor Economics** (3 hrs.) This is an applied microeconomics course, where students will be exposed to the theories of the labor market and the effects of various government policies on the labor market in the U.S. Socioeconomic issues such as legal and illegal immigration, race and gender discrimination will be investigated in the course. Essentially, students will be using microeconomic economic theories to analyze the determinants of labor demand, labor supply, the causes and effects of wage differential, unemployment and labor unions. Complex topic of worker's compensation and wage structure will also be explored. Prerequisites: ECN 212 and MAT 124 or higher.

**ECN 367 Econometrics** (3 hrs.) An intensive study of the use of multivariate linear regression techniques applied to the estimation of economic relationships. This study will include the assumptions of the statistical model, how to recognize when these assumptions have been violated by the economic model or the data, and what corrective procedures are appropriate. Also discussed will be methods for checking forecast accuracy in advance of the forecast period and simultaneous equation estimation procedures. Prerequisites: ECN 355 or MAT 313 and ECN 110 or both ECN 212 & 211 or permission of instructor.

**ECN/ENV 377 Environmental and Resource Economics** (3 hrs.) This course will introduce students to the theories and methods used to understand and evaluate environmental problems and policies. The class will provide students the much-needed exposure to the non-competitive markets, the methods to analyze such markets, and the effects of these markets on economic institutions. The objective of this course is to introduce students to theories and methods used to understand and evaluate the environmental problems and policies. We will start with concepts of externalities, public goods, property rights and why markets could fail in these cases. Policies to correct market failure in domestic and international situations will be examined. Students will explore the common property problem in case of renewable resources and the public policies used to correct the problem. Prerequisites: MAT 122 or MAT 124, and ECN 212.

**ECN 425 Senior Seminar** (3 hrs.) This course provides the capstone experience in economics. Students will learn how to apply knowledge gained in economics courses to further their understanding of contemporary economic issues. The course provides a review of intermediate macroeconomics, price theory and econometrics. Students will complete a senior thesis which provides an opportunity to conduct original research on an economic or interdisciplinary issue. Students will present and discuss their research results in class throughout the semester. Prerequisites: Senior standing, ECN 331, (ECN 367 or ECN 355), and at least two economics electives or consent of instructor.

## EDU - Education

**EDU 101 Introduction to Teaching** (1 hr.) Open to all students. This course serves as an introduction to those considering a major in any area of education. Basic terminology and theories of teaching and learning are team taught by Education Department faculty. A series of field trips to local schools provides information about K-12 school organization and characteristics of each level. This course serves as a prerequisite to EDU 290.

**EDU/HES 206 Growth and Development through Elementary Physical Education** (3 hrs.) This course is meant to prepare students to teach physical education and movement activities to elementary school children. By identifying patterns of growth and development,

students will be able to develop methods to successfully teach fundamental movement skill and physical education concepts through quality instruction, games, dance, health-related fitness and perceptual-motor activities. This course is for K-9, K-12 physical education majors. Offered in even numbered fall semesters.

**EDU/HES 207 School Health, PE, & Safety in Elementary** (3 hrs.) This course examines the principles of teaching health, physical fitness, and safety for wellness and optimal development with an emphasis on the needs of children. Offered in fall semesters.

**EDU 210 Literature for Children and Youth** (3 hrs.) Students explore a variety of genre and multicultural literature for children and adolescents. Extensive reading is required to develop experience in selecting appropriate texts for classroom use. Classroom strategies are presented for using literature in curriculum design. A literature portfolio is an integral part of the course. Offered every spring semester. Prerequisites: ENG 103.

**EDU/PSY 221 Educational Psychology** (3 hrs.) The application of psychological principles of learning, cognition, and child and adolescent development to the educational process in elementary and secondary schools. Topics include the impact of psychological knowledge on student learning, teaching, motivation, management of the classroom, and assessment of student learning.

**EDU 225 Human Experiences Across the Years** (3 hrs.) The course explores scientific theory and practice in the field of human growth and development with an emphasis on experiences of the individual through the course of the lifespan. From pre-birth through end of life, humans are defined by momentous occasions and changes, and they grow accordingly. The emphasis of the course is on socio-emotional life events, but will also address both cognitive and physical development. The course is targeted to non-Education majors as a course intended to meet the Human Behavior Theme. Some topics include: infertility issues, childhood obesity, adolescent issues in the 21<sup>st</sup> century, concerns of young adults and career, the family, middle-age adjustment, and senior living arrangements.

**EDU 230 Child and Adolescent Growth and Development** (3 hrs.) This course explores current theory and knowledge in the field of childhood growth, cognitive and psychosocial development from ages pre-birth through adolescence. Major learning theories will be interrelated with information on physical, psychosocial, cognitive and language development. The goals and methods of childhood education will be studied and important contributions from social and behavioral scientists will be analyzed and evaluated for those planning to work with children and/or adolescents. Offered each semester.

**EDU 231 Education of Exceptional Individuals** (3 hrs.) This course is a study of the special needs and characteristics of individuals who are classified as exceptional. Students focus on the unique characteristics associated with giftedness, sensory impairments, learning disabilities, attention disorders, mental impairments, behavioral and emotional problems, physical disabilities and chronic health problems, and other at-risk factors. Legal aspects of schooling and curricular adaptations are explored. Offered in fall semester. Prerequisites: EDU 101 For Education Majors.

**EDU 260 Emergent Literacy** (3 hrs.) Students will develop knowledge and skills necessary to promote early literacy development, including the components of emergent literacy, oral language acquisition, phonological and phonemic awareness, alphabetic principle, high frequency vocabulary development, decoding and spelling strategies, and reading fluency. A variety of teaching techniques will be examined including creative dramatics, storytelling and a wide range of children's literature. Commercial reading programs and series used in many school districts will also be compared and evaluated. Offered in alternating spring semesters.

**EDU 280 Programs in Early Childhood** (3 hrs.) This course applies relationship of theory and practice in early childhood education programs, explores issues of family structures, systems and dynamics within the context of culture and examines firsthand a variety of state and federal programs available for young children. The course includes a practicum component in an approved childcare setting. Students will also examine current issues in child advocacy at the state or federal level, and develop a plan to support chosen legislation designed to help young children through an action plan. Offered every third spring semester as needed.

**EDU 288 Assessment in Early Childhood** (2 hrs.) This course will introduce students to a variety of assessment procedures and instruments that can be used to evaluate learning and the developmental achievements of young children. Students will have a chance to observe young children and various assessment testing first hand. The official position papers of ACEI (Association of Childhood Educators International) and NAEYC (National Association of Educators of Young Children) will be examined also. Offered in even-year fall semesters.

**EDU 290 Foundations of Education** (3 hrs.) This course provides a framework for understanding educational issues from historical, philosophical and societal perspectives. On-site observations are an integral part of the course so that students may gain understanding of the purpose of education, forces shaping it, and the individual responsibility required in becoming a teacher. Required for all education majors. Prerequisites: EDU 101 For Education Majors.

**EDU 291 Education Practicum I** (2 hrs.) This initial practicum experience is designed to acquaint students with the life of one classroom as students spend thirty clock hours observing and assisting in an assigned school classroom. Students should plan to take this course concurrently with EDU 290, Foundations of Education. A reflective learning log is required to record observations, comments, questions, and insights. Prerequisites: EDU 101 For Education Majors.

**EDU 295 Place-Based and Service Learning: Education in the Community & the Classroom** (4 hrs.) Today's future teachers must embrace current trends in education. One of those is understanding the importance of place-based and service learning. This community outreach work connects the college with area businesses and schools. Through place-based experiences, pre-service teachers develop the skills to work with community businesses and classrooms that will hopefully carry over into their own future classrooms. Prerequisites: EDU 101 recommended.

**EDU 306 Teaching Reading** (3 hrs.) Students will learn about the nature of reading and language development in the context of the whole school curriculum for elementary and middle grades. Topics include the examination of reading as a meaning construction process, the development of appropriate instructional strategies, and the assessment and evaluation issues related to social and cultural diversity. Instructional content and strategies are aligned with state and national guidelines and standards. Offered every fall. Prerequisites: EDU 290, 291 and admission to teacher education program.

**EDU 307 Teaching STEAM in 21<sup>st</sup> Century Classrooms** (4 hrs.) Today's future teachers must embrace current trends in education. One of those is understanding the importance of cross-collaboration between Science, Technology, Engineering, Arts, and Mathematics (STEAM). In this class, students will learn not only how to integrate these subjects in their early childhood or elementary classroom, but they will also experience it as students. Prerequisites: EDU101, EDU231, EDU290, EDU291, and declaration of major in education. Must be admitted into TEP (Previously offered as EDU310/EDU203).

**EDU 308 Methods of Teaching Social Studies in Elementary and Middle Schools** (3 hrs.) Social studies is content focused as students explore concepts, teaching methods, materials, related literature and integrated curriculum design for elementary and middle school grades. Inquiry projects emphasize theme cycles and demonstration lessons. Curricular and instructional objectives using the standards and guidelines of state and national professional organizations such as the National Council for Social Studies are included. Offered every fall semester. Prerequisites: EDU 290, 291, and admission to teacher education program.

**EDU 309 Teaching of Writing in Middle and Secondary Schools** (3 hrs.) Students will experience the essentials of process writing for transactional, expressive, and poetic writing. Writing in content areas and evaluating and assessing writing are stressed. This course is required for middle school majors and secondary majors with an English language arts concentration. Offered in even year fall semesters. Prerequisites: ENG 103, at least one writing intensive course, and admission to the teacher education program.

**EDU 320 Teaching Middle School: Curriculum & Philosophy of Teaching the Middle Years** (4 hrs.) This course examines the philosophy and curriculum development in the middle school, including school and classroom design, teaching methodology, curriculum strategies, and organizational structures. Teaching and learning theory and strategies for middle school students are explored along with curriculum design based on the developmental characteristics of children in grades 5-9. Students will spend 3 hours in class and 1 hour in field. Prerequisites: EDU 101, EDU 230, EDU 231, EDU, 290, 291, Education Major/Minor declared, and admission to teacher education program (TEP); or by permission. Offered odd year spring semesters or as needed. (Previously offered as EDU311/314)

**EDU/PED 345 Methods of Teaching Middle School Physical Education** (3 hrs.) This course is designed for students planning to teach middle school age physical education programs. Topics include program development, selecting and implementing instructional units, integrating physical education with other disciplines, professional development, and teaching assessment.

**EDU 350 Digital Literacy** (3 hrs.) This course is geared towards today's digital citizens who plan to teach in the current technology-infused classrooms. Future educators are entering schools that are 1:1, so students must be prepared to work in a technology-rich environment. The class will integrate digital literacy across the curriculum, motivate students to embrace technology as both a consumer and a producer, and require that they participate in the course as both student and an educator. This will be a hands-on, interactive, seminar-type course. Acceptance to the Teacher Education Program and EDU 231.

**EDU 351 Methods of Teaching Elementary/Middle School Mathematics** (3 hrs.) This course is the second part of an integrated methods and content course for elementary and middle school teachers. Topics include fractions, decimals, geometry, probability and statistics, measurement and other appropriate topics. Offered every spring semester. Prerequisites: C or better in MAT 231.

**EDU 370 Business Programs Implementation** (3 hrs.) This course seeks to prepare future Secondary Business Teachers with information about various programs, comparisons and evaluations of ideal instruction as well as familiarizing the student with professional career and vocational organizations related to Business Education. Students will directly observe in secondary business classes Grades 7-12, and interview teachers, administrators, sponsors of organizations and community partnership leaders from the business community. After several written assignments, students will present a Power Point presentation to other business education students. Prerequisites: EDU 290, 291 and 425, and admission to the teacher education program.

**EDU 380 Integrated Curriculum in Early Childhood** (3 hrs.) This course seeks to integrate the disciplines of language arts, math, social studies, music, art and science in preparation of curriculum content for early childhood and kindergarten classrooms. Students prepare detailed long-term lesson plans and collect resources to implement the plans. Plans developed will meet the MO Pre K and Show-Me Standards as well as the ACEI and NAEYC Standards for Early Childhood Classrooms. Offered every third spring semester or as needed. Prerequisites: EDU 290 or permission of the instructor.



**EDU 385 Diversity in Education** (3 hrs.) This course will introduce both education and non-education majors to the role of the 21st century school in a diverse society. Students in this course will study important issues, approaches, and strategies in working with and forming connections with a population that is ethnically and culturally diverse. In addition, an emphasis of this course is to promote teaching tolerance and anti-bias in a land where discrimination and sexism still exist. To live as an informed and tolerant adult in an increasingly pluralistic America is a major focus of this course. Specific topics to be explored include: understanding ourselves and others' values and belief systems, learning the language of prejudice, and creating unity in a diverse America. Offered every fall semester. Prerequisites: One of the following: EDU 290, PSY 113, SOC 111, POL 211 or PHL/REL 102, or permission of the instructor.

**EDU 392 Reading & Writing in the Content Area** (3 hrs.) This course helps pre-service teachers explore methods to facilitate students' reading comprehension of content area materials (texts, non-fiction trade books, and other supplements). It is based on the recognition that reading in the content areas (non-fiction/informational) requires explicit strategies that are best taught in the context of the content area. It is also recognized that the most effective teacher of content area reading strategies is the teacher of the content area. Prerequisites: EDU 290, 291 and admission to teacher education program.

**EDU 393 Education Practicum II** (2 hrs.) This practicum is an intensely supervised pre-student teaching experience, which includes forty-five actual clock hours in a K-12 classroom. Action research is conducted in the assigned classroom and presented to an audience such as the Undergraduate Research Forum. Offered each semester. Prerequisites: EDU 291 and admission to the teacher education program.

**EDU 398 Independent Study** (1-3 hrs.) An individual study or research topic not covered in regular course offerings is done with the supervision of faculty. Students need permission of the instructor and the program director. It is the responsibility of the student to provide a rationale and an outline of the proposed study. Open only to education majors.

**EDU 417 Advanced Practicum** (1-6 hrs.) The principal objective of this course is to provide a student the opportunity to spend time in different age group classrooms (preK-12). Students can take this course multiple times for varied credit hours based on their own schedule. For example, an elementary major may take 1 credit hour to spend 15 hours in a 5<sup>th</sup> grade classroom one semester and then for 2 credit hours another semester in a 2<sup>nd</sup> grade classroom. These practicums give them a broader range of experience and helps inform them for what age they want to student teach. Secondary folks also need to gain experience in all grade levels to be best prepared not only for student teaching but for their career in general. Prerequisites: EDU 231, EDU 291, and EDU 393 (can be concurrent with EDU 393).

**EDU 425 Secondary School Teaching** (3 hrs.) Students explore the general principles, activities, schedules, and interactions of teachers and students in secondary schools. Course content includes teaching-learning process emphasizing methods of instruction and evaluation. Offered in fall semester. Prerequisites: Admission to teacher education program.

**EDU 431 Teaching English in Middle and Secondary Schools** (3 hrs.) This course is designed for those students who plan to teach English in high school settings. Along with an examination of issues, attitudes, and trends in teaching English/language arts, students develop materials and strategies for teaching and evaluating writing, speaking, listening, reading and viewing competencies. State and national standards and guidelines are used for content orientation. Offered every other fall semester. Prerequisites: EDU 425, completion of appropriate English courses, and admission to the teacher education program.

**EDU 433 Teaching Mathematics in Middle and Secondary Schools** (3 hrs.) This course is offered for those who plan to teach mathematics in high schools. Students explore curriculum development and instructional methods and gain experience with multimedia materials and resources that are appropriate for classroom use. State and national standards are used as guidelines for content orientation. Offered every other fall semester or as needed. Prerequisites: EDU 425, completion of appropriate math courses, and admission to the teacher education program.

**EDU 434 Methods of Teaching Middle School and Secondary Physical Education** (3 hrs.) This course is designed for students planning to teach middle school and secondary physical education programs. Topics include program development, selecting and implementing instructional units, class organization and management, assessment, integrating physical education with other disciplines, and professional development. Prerequisite: EDU 290.

**EDU 435 Teaching Social Studies in Middle and Secondary Schools** (3 hrs.) The content of this course includes recommendations of state and national groups, which have approved standards for teaching social studies. Students explore issues, trends and methods in social studies instruction for secondary school students. Students plan lessons and themes and engage in the kinds of projects, e.g., writing, research, and audio-visual, which they will present in their own classrooms in secondary schools. Offered every other fall semester. Prerequisites: EDU 425, completion of appropriate social science courses, and admission to the teacher education program.

**EDU 436 Teaching Science in Middle and Secondary Schools** (3 hrs.) Students study issues, trends, and methods in teaching science for secondary school students. Curriculum projects are based on objectives and concepts that are included in state and national standards for science teaching. Offered in even year fall semesters. Prerequisites: EDU 425, completion of appropriate science courses, and admission to teacher education program.

**EDU/FLG 437 Methods of Teaching a Foreign Language** (3 hrs.) Students study issues, trends and methods in teaching a foreign language to students in elementary, middle and secondary students. Projects involve lesson planning development and unit planning. Offered as needed.

**EDU 441 Reading Assessment and Advancement** (3 hrs.) This is a study of multiple formal and informal assessments that includes miscue analysis. Students prepare a reader profile that includes assessment procedures, identification of reading strengths and needs, and recommendations for strategies to promote advancement toward reading proficiency. Students work with at least one reader. Offered in spring semesters. Prerequisites: EDU 306 and admission to the teacher education program.

**EDU 453 Classroom Management and Organization** (3 hrs.) This course focuses on multiple factors that affect student learning and behavior. Students study effective classroom and behavioral management techniques, dealing with specific issues and practices and developing their own plans for their own classrooms. A series of management plans are designed and brought together in a comprehensive management plan, which becomes part of the state mandated portfolio. Students deal with everything from room arrangement, rules of general conduct and classroom procedures, to teaching tolerance, dealing with bullying and violence, and grading and assessment. Offered every semester. Prerequisites: EDU/PSY 221, EDU 291, admission to the teacher education program.

**EDU 490 Educational Seminar** (3 hrs.) This course is taken concurrently with student teaching. It serves as an orientation to student teaching and functions as a formative structure for the experience. This seminar meets regularly throughout the student teaching semester allowing students to share experiences, strengthen competencies and address topics of concern. Completion of the state mandated portfolio and completion of the application for certification process are integral to the course. Preparation for employment interviews and how to fill out teaching applications to districts are covered as well. Offered each semester.

**EDU 492 Student Teaching: Early Childhood Education or Elementary School** (6-12 hrs.) This course is for students seeking certification in early childhood, Pre-K-Grade 3 or elementary education, grades 1-6. Concurrent enrollment in EDU 490 is required. Students gradually assume full responsibility for classroom instruction during the experience. Students are required to engage in all professional activities, which their cooperating school provides. Intense supervision and feedback are provided by a cooperating classroom teacher and a college supervisor. Special fee required. Prerequisites: Admission to student teaching, passing score for the national certification exam, and substitute certificate. Offered each semester.

**EDU 495 Student Teaching: Middle School** (6-12 hrs.) This course is for students seeking certification in middle school education, grades 5-9. Concurrent enrollment in EDU 490 is required. Students gradually assume full responsibility for classroom instruction during the experience. Students are required to engage in all professional activities, which their cooperating school provides. Intense supervision and feedback are provided by a cooperating classroom teacher and a college supervisor. Special fee required. Prerequisites: Admission to student teaching, passing score for the national certification exam, and substitute certificate. Offered each semester.

**EDU 497 Student Teaching: Secondary School** (6-12 hrs.) This course is for students seeking certification in secondary education, grades 9-12. Concurrent enrollment in EDU 490 is required. Students gradually assume full responsibility for classroom instruction during the experience. Students are required to engage in all professional activities, which their cooperating school provides. Intense supervision and feedback are provided by a cooperating classroom teacher and a college supervisor. Special fee required. Prerequisites: Admission to student teaching, passing score for the national certification exam, and substitute certificate. Offered each semester.

## EGR - Engineering

**EGR/PHY 101 Introduction to Engineering and Design** (3 hrs.) This course introduces students to the engineering profession. Emphasis is placed on engineering design, project management skills, software applications, teamwork, and communication. An engineering term project including a written technical report is required for this course. Offered every spring semester.

**EGR/PHY 230 Engineering Mechanics & Statics** (3 hrs.) Statics is the study of rigid-body mechanics which deals with the equilibrium of bodies. Covered topics include the principles of statics, force systems, internal forces, structural analysis, friction, center of gravity, and moments of inertia. Prerequisites: MAT 224 and PHY 201 with a C or better.

## ENG - English

**ENG 103 Academic Writing** (3 hrs.) A composition course designed to prepare students for writing in all academic disciplines. Based on the process approach to writing, the course treats reading, thinking, and writing as integrated skills. Writing Skills covered include summary, synthesis, analysis, argumentation, and research.

**ENG 190 Literary Magazine: Janus** (1 hr.) A course involving the production of a literary magazine. This course provides students with practical experience in evaluating prose and poetry for publication, and in the technical processes of producing a magazine, including graphic design and layout, typography, and printing methods.

**ENG 204 Introduction to Literature** (3 hrs.) An introduction to the study of literature, including poetry, fiction, creative nonfiction and drama. Emphasis will be placed on basic terminology used in discussing literature, on the study of a variety of critical theories, and on techniques for writing about literature. Offered consistently as writing intensive or writing intensive option course.

**ENG 205 Topics in British Literature to 1800** (3 hrs.) A survey of English literature from approximately 750 A.D. through the end of the eighteenth century: the medieval period, the Renaissance, and the neo-classical age. This course looks at the intersection of literature and culture, tracing the development of each in order to understand how British literary culture changed over the years. Among the authors studied are Chaucer, Shakespeare, Donne, Milton, Swift, and Johnson.

**ENG 206 British Literature since 1800** (3 hrs.) A survey of English literature from 1799 to the present including the Romantic period, the Victorian period, Modernism, and the twentieth-century. This course looks at the intersection of literature and culture, tracing the development of each in order to understand how British literary culture changed over the years. Among the authors studied are Wordsworth, Keats, the Brownings, the Brontes, Joyce, Woolf, Yeats, Eliot, Lessing, and Larkin.

**ENG 220 Janus and the World of Publishing** (3 hrs.) This course will introduce students to the world of publishing through a variety of means. Students will take part in all aspects of editing, designing and producing Westminster College's literary magazine, *Janus*, using In-Design and a variety of collaborative and individual exercises. Moreover, students will explore other publishing topics and avenues including but not limited to: learning the fundamentals of copy-editing, writing book and article proposals, creating and maintaining blogs and other social media sites, writing query letters, investigating and managing submissions, writing and submitting book reviews, evaluating publication options, promoting published material, and establishing and maintaining a writerly presence. Prerequisites: ENG 103 and ENG 275, or permission of the instructor.

**ENG 230 Play in Performance** (3 hrs.) This course consists of a semester long study of the academic and artistic foundations of dramatic performance culminating in a fully staged production of a play. The course will include in depth play-analysis, acting, and technical theatre training as well as more traditional coursework and academic papers exploring the playwright, their other works, the performance history of those works, and the theatrical movements associated with that playwright. Prerequisites: Instructor Permission.

**ENG 231 Play in Performance II** (1 hr.) This course allows students who have already completed ENG/THE 230 - 'Play in Performance I' to receive credit for participating in the fully staged production associated with that class. Students will continue to develop an appreciation for the academic and artistic foundations of dramatic performance through the production process. This will include in depth play-analysis, acting, and technical theatre training as well as an academic exploration of the playwright and his work, the performance history of those works, as well as the theatrical movements associated with that playwright. Prerequisites: Instructor Permission and ENG/THE 230.

**ENG 238 American Literature to the Civil War** (3 hrs.) A survey of American literature from its beginnings among Native Americans through the middle of the nineteenth century. This course examines the emergence of literary culture over time, tracing changes in both literature and culture to determine what characteristics make American literature unique. Among the authors studied are Bradstreet, Whitman, Emerson, Thoreau, Poe, Hawthorne, Melville, Douglass, and Dickinson.

**ENG 239 American Literature since the Civil War** (3 hrs.) A survey of American literature from the middle of the nineteenth century to the present. This course examines changes in literary culture over time, tracing currents in the literature and the culture it reflects from the emergence of an industrialized society to the segmentation of twentieth-century society. Among the authors studied are Twain, James, Chopin, Frost, Eliot, Moore, Hemingway, Faulkner, Miller, Baldwin, and Plath.

**ENG 248 Topics in World Literature to 1800** (3 hrs.) A survey of masterpieces of world literature from ancient times to 1800. Readings are done in English, but only non-English authors are included. Works studied may range from pre-Biblical Mesopotamian literature, through Greek, Roman, Hindu classics, to the influential texts from the Middle Ages and Renaissance. Offered at least every two years.

**ENG 249 World Literature since 1800** (3 hrs.) A survey of world literature since 1800. Readings are done in English, but the authors studied come from all over the world including Africa, South America, and Asia, as well as Europe. Among the authors studied are Goethe, Tolstoy, Borges, Garcia Marquez, Kafka, and Soyinka. Offered at least every two years.

**ENG 260 Introduction to Journalism** (3 hrs.) A survey of the field of journalism, with particular attention to its history, ethics, and the responsibilities of the journalist. Much of the class work is the writing of typical examples of journalism. Students enrolled in this course will participate in a practicum as writers or editors for The Columns. Prerequisites: ENG 103.

**ENG/JMP 265 Technical and Web Writing** (3 hrs.) Technical Writing refers to any writing done by a professional in a field who is communicating specialized information to a specific audience. The field could be computer software or engineering, but it could just as easily be business, government, non-profits, finance, or education. This course focuses on writing, editing, and design skills that you can apply to any professional job. Because so much of today's workplace writing appears on the internet, this course will pay particular attention to how to write, arrange, and deliver information effectively on the Web.

**ENG/JMP 270 Expository Writing** (3 hrs.) A course in advanced composition, with emphasis on reasoning and organization, and with special attention to principles of style. Part of the course will consist of discussion of student work, as well as the study of trends of thought and the literary techniques of published essayists. Prerequisites: ENG 103.

**ENG 275 Introduction to Creative Writing** (3 hrs.) An introduction to the writing of poetry, fiction, creative nonfiction, and drama, with approximately equal time spent on each genre. Students will study the forms and techniques used by successful writers as models for their own work and will read and critique the writing of other students in a workshop format. Prerequisites: ENG 103.

**ENG 290 Introduction to Literary Studies: Critical Approaches and Research Methods** (3 hrs.) A seminar in the theory and practice of literary study. The course objectives are to examine key issues in literary theory, to develop an understanding of theoretical models in relation to critical practice, and to acquire research skills necessary for advanced literary study (e.g., the honors project). Prerequisites: A 200-level literature course or instructor permission. Offered in spring semester.

**ENG 315 Literary Modes and Genres** (3 hrs.) The study of literature focusing upon the distinct categories into which literary works are grouped according to formal elements – the novel, poetry, drama, autobiography, tragedy, comedy, the epic – conventions which both endure over time and are modified with every new work in the genre. Possible courses include Autobiography, Science Fiction, or The Country and City in Nineteenth Century British Poetry. Offered at least every two years. Prerequisites: a 200-level course in literature or permission of the instructor.

**ENG 325 Literary Movements** (3 hrs.) The study of a coherent period or movement in literature, based on the premise that literature written within certain time spans, and occasionally in a particular place, is often related by a series of literary norms, standards, and conventions, the introduction, spread, diversification, and disappearance of which can be traced. The course will usually be taught with particular attention to the relation between literature and the associated intellectual and cultural milieu. Renaissance Literature, Romanticism, British Modernism, the Jazz Age, and the Beat Movement are examples of possible courses that may be offered under this topic. Offered at least every two years. Prerequisites: a 200-level course in literature or permission of the instructor.

**ENG 330 Visions and Revisions** (3 hrs.) A reading of literature based on two premises: First, that literature is a product of culture arising from a web of historical conditions, relationships, and influences that in some measure determine literary form and content; second, that literature is at the same time an agent of culture that shapes social practices. Courses may include studies of the exchange between colonial and post-colonial fiction, the evolution of particular story lines (such as the Arthurian myth) through a variety of literary texts, and the relationship between classicism and romanticism. Offered at least every two years. Prerequisites: a 200-level course in literature or permission of the instructor.

**ENG 335 A Sense of Place** (3 hrs.) A study of the way various writers have detailed the complex and profound relationships between place – whether it be a physical or intellectual construct – the literary ethos, and construction of identity. Students will explore literary texts that invoke or evoke place as a significant literary or cultural trope. Course offerings may include Literature of the Environment, American Writers in Paris, or Rural/Urban Literature. Offered at least every two years. Prerequisites: a 200-level course in literature or permission of the instructor.

**ENG/WGS 340 Gender and Literary Expression** (3 hrs.) A study of gender as a personal, social, and literary construction, this course examines literature in the context of contemporary social and cultural attitudes towards gender. Though poetry, fiction, or drama are usually included, this course often involves essays, journals, and letters as well. Course offerings may include Southern Women Writers, Women and Madness, or Theories of Gender in Literature. Offered at least every two years. Prerequisites: a 200-level course in literature or permission of the instructor.

**ENG 345 Ethnic Literature** (3 hrs.) The examination of literature by individuals belonging to various ethnic groups, including those in the United States (African-American, Native American, Chicano/Chicana, Asian-American or Jewish) as well as groups from other cultures. This course considers the aesthetic, cultural, social, and/or political aspects of literature and particularly how works by ethnic writers negotiate the boundaries of literary expression, how language use and assimilation affect one another, and/or how other aspects of culture mesh with and shape the literature. Specific courses may include African-American Literature, The Harlem Renaissance, or Langston Hughes. Offered at least every two years. Prerequisites: a 200-level course in literature or permission of the instructor.

**ENG 350 Studies in the Author** (3 hrs.) A study of a single author (e.g. Shakespeare, Melville, Joyce, Hughes, or Morrison) or two or more related authors who do not in themselves constitute a movement (Chaucer/Shakespeare, Faulkner/Hurston, Joyce/Woolf). Offered at least every two years. Prerequisites: a 200-level course in literature or permission of the instructor.

**ENG 355 Literature and the Other Arts** (3 hrs.) The study of the historical, cultural, and aesthetic relationships between literature and other modes of artistic production (visual arts, music, theater, film, dance), focusing particularly on the ways in which artists in various modes influence one another. Topics include Shakespeare on Film, Literature Goes to the Movies, the Photograph as a Literary Text and Jazz, Blues, and Poetry. Offered at least every two years. Prerequisites: a 200-level course in literature or permission of the instructor.



**ENG 372 Creative Writing Prose** (3 hrs.) A workshop course in which students study the work of successful fiction writers, identify and practice the forms and techniques they employ, and use those techniques to craft their own stories. Group discussion of students' writing plays a primary role. Offered every third semester in rotation. Prerequisites: ENG 103 and 275.

**ENG 374 Creative Writing Poetry** (3 hrs.) A workshop course in which students study the works of successful poets, identify and practice the forms and techniques they employ, and use those techniques to craft their own poems. Group discussion of students' writing plays a primary role. Offered every third semester in rotation. Offered every third semester in rotation. Prerequisites: ENG 103 and 275.

**ENG 376 Creative Nonfiction** (3 hrs.) A workshop course in which students study the works of successful creative nonfiction writers, identify and practice the forms and techniques they employ, and use those techniques to craft their own poems. Group discussion of students' writing plays a primary role. Prerequisites: ENG 103 and 275.

**ENG/THE 378 Playwriting** (3 hrs.) In this course, we will collectively work to develop and hone your ability to construct performance texts. We will use a selection of one-act plays written by some of the most accomplished playwrights of the 20th century, seminal works of performance art, and a few foundational texts on dramatic analysis to isolate the features of effective performance compositions. From there the course will increasingly focus on your original compositions, which will be workshopped by the class as a whole. This process will culminate in your completion of a polished one-act play. Prerequisites: THE 201, ENG/THE 230, or ENG 275.

**ENG/JMP 380 Introduction to Digital Humanities** (3 hrs.) Digital tools such as archives, data mining, data visualizations, and games are changing how students and scholars approach the study of the humanities. In this course, we will use digital tools to facilitate our own interpretation and research, with a particular focus on Mary Shelley's *Frankenstein* and its enduring influence on popular culture. No technical proficiency is assumed--you only need to be willing to learn. Our projects will include many hands-on (and, I hope, fun) opportunities to make things in addition to the analytical writing assignments you are familiar with from other English courses. Prerequisite: A 200-level course in literature (ENG 204, 205, 238, 239, 248, 249).

**ENG 398 Independent Study** (1-4 hrs.) Systematic readings, guided by a member of the department, on a particular author, a particular period, or a special problem. Enrollment by permission of the instructor. Prerequisites: a 200-level course in literature or permission of the instructor.

**ENG 420 Honors Project I** (3 hrs.) The first course in the two-semester honors sequence. Students read extensively in the area selected by the student and approved by a thesis committee consisting of two faculty members. Students meet weekly with the thesis director, complete written assignments, and make presentations to the English Department and possibly to other members of the honors seminar. Prerequisites: Successful completion of ENG 290 and departmental approval.

**ENG 430 Honors Project II** (3 hrs.) The second course in the two-semester honors sequence. Students meet weekly with the thesis director as they write their thesis. Students present an oral defense of the thesis to their committee at the end of the semester. Prerequisites: A grade of "B" or better in ENG 420.

## ENV - Environmental Science

**ENV 105 Introduction to Environmental Sciences** (4 hrs.) This course investigates global, national, regional, and local environmental issues by critically analyzing available data and examining alternative to current situations. Emphasis is placed on the use of scientific methods to investigate and solve environmental problems. Off-campus field trips are required. Class projects seek to extend the implications of the course material to the campus and local communities. Offered most semesters.

**ENV 210 Biogeography** (3 hrs.) Biogeography is the study of the distribution of biodiversity over space and time. It aims to reveal where organisms live and at what abundance. It addresses the questions of which species, where and why (or why not). Biodiversity is viewed in light of historical factors, such as speciation and extinction, plate tectonics and glaciations, as well as in the light of current and future threats, including but not limited to climate change. This course is typically offered every other academic year in the spring semester. Prerequisites: BIO 124/125 and 114/115 for Biology and Environmental Science majors; NSC 108 and ENV 105 for non-majors.

**ENV 350 Conservation Biology** (3 hrs.) Conservation biology is the scientific study of the nature and status of Earth's biodiversity with the aim of protecting species, their habitats, and ecosystems from excessive rates of extinction. It is an interdisciplinary subject drawing on sciences, economics, and the practice of natural resource management. A variety of topics and issues will be explored, including but not limited to: factors contributing to the decline of populations, the problems of habitat loss, isolation and fragmentation, ecosystem management, restoration ecology and sustainable development. This course is typically offered every other academic year in the spring semester. Prerequisites: BIO 124/125 and 114/115 or ENV 105.

**ENV/ECN 377 Environmental and Resource Economics** (3 hrs.) This course will introduce students to the theories and methods used to understand and evaluate environmental problems and policies. The class will provide students the much-needed exposure to the non-competitive markets, the methods to analyze such markets, and the effects of these markets on economic institutions. The objective of

this course is to introduce students to theories and methods used to understand and evaluate the environmental problems and policies. We will start with concepts of externalities, public goods, property rights and why markets could fail in these cases. Policies to correct market failure in domestic and international situations will be examined. Students will explore the common property problem in case of renewable resources and the public policies used to correct the problem. This course is offered every other spring semester. Prerequisites: MAT 122 or MAT 124, and ECN 212.

**ENV 405 Environmental Assessment** (3 hrs.) Tools, methods, and techniques employed in the study of environmental impact assessment and resource management. Research fundamentals and related environmental legislation will be studied and applied to environmental problems and resource evaluation. The major product is the development of a project requiring an EIS, researching the alternatives, gathering information, writing, and presenting the report. Offered every other fall semester. Prerequisites: ENV 105, GEO 108 or GEO 110 and Junior or Senior standing.

## FAR - Fine Arts

**FAR 215 Art of the Film** (3 hrs.) This course presents a survey of the history and development of American and foreign cinema, focusing on direction, cinematography, and theme. Students supplement weekly viewing of films with discussions, readings, and written assignments.

**FAR 310 The Art of Service: Community Based Arts Initiatives** (3 hrs.) The power of the Arts in grassroots social change is enormous. At the heart of this transformative power lies first the ability to recognize social and political injustices, second a creative self which exists within each of us, and third reliable and tested techniques necessary to mobilize communities. This course will explore these intersections of society, politics, creativity, the arts, and concepts of community. Together we will investigate arts-based initiatives in the United States and the inequalities or injustices they have addressed through community mobilization. These programs will be analyzed according to the five conceptual areas of contact, research, action, feedback, and teaching (CRAFT). Students will research and design their own community-based arts initiatives and as a class they will implement an arts-based initiative in our local community for a final project.

## FIN - Finance

**FIN 310 International Trade and Finance** (3 hrs.) Studies international movements of goods and services and monetary flows. Covers international trade theory, trade policy, institutional evolution of the world economy, balance of payments and exchange rates. Prerequisite: ECN 331.

**FIN 318 Corporate Financial Management** (3 hrs.) Emphasis is placed upon the underlying principles and practices of finance and how they relate to the decision-making process faced by a corporate finance manager. Students learn to interpret financial data, assess financial position of a company, apply time-value of money analysis, conduct project evaluation through NPV, IRR, MIRR, etc. Although the course emphasizes on corporate financial decision making, the principles learnt and skills developed will also help students in personal finance and small business decision-making. Prerequisites: ACC 215 and BUS 210 with a grade of C or better. BUS 210 and FIN 318 can be taken concurrently.

**FIN 325 Money, Banking and Financial Markets** (3 hrs.) A study of the roles of the financial sector and of monetary policy on the economy. Explores essential features of financial markets; discusses concerns of bank managers in making investment choices; examines the roles of the Federal Reserve and banks in the money supply process; explores the importance of money in the economy; and examines the importance of exchange rate movements in international investing. Prerequisite: ECN 211.

**FIN 328 Managerial Finance** (3 hrs.) A continuation of FIN 318 Corporate Financial Management, this course focuses on long-term/strategic financial management. With a brief discussion on the methodologies of financially evaluating projects, this course spends considerable time on developing a sound understanding of how to finance those projects under different circumstances and make related decisions to maximize value creation. In particular, this course covers cost of capital, raising capital, capital structure, dividend policy, risk management, mergers and acquisitions, leasing, etc. Prerequisites: FIN 318 with a grade of C or better.

**FIN 350 Investments** (3 hrs.) The purpose of this course is to provide conceptual and theoretical foundations in determining the values of financial assets such as common stocks, bonds, etc., the timing of security purchases and sales, and an introduction to portfolio construction techniques. As part of this course, students form groups, select actual companies, conduct research on those companies, value the stock of those companies, make recommendations for investment, and present their research to the faculty. Prerequisites: ACC 215, BUS 210, and FIN 318.

**FIN 351 Portfolio Management** (3 hrs.) This course is designed to focus on the theoretical and practical aspects of forming optimal portfolios. Topics include mean-variance analysis, Markowitz portfolio theory, efficient frontiers, optimal portfolios, performance evaluations, etc. Prerequisites: FIN 318 with a grade of C or better, plus MAT 124 or MAT 122, plus ECN 355.

**FIN 354 Options and Futures** (3 hrs.) A challenging finance course emphasizing the analysis, pricing, and application of derivative securities. Topics include options, futures, forward, and swap contracts, arbitrage, hedging, portfolio risk and insurance, etc. This course requires relatively greater use of quantitative methods and theoretical reasoning than other finance courses. However, developing an intuition is as important as understanding the underlying mathematics to be able to use the techniques and models effectively. Prerequisite: FIN 350 with a grade of C or better, plus ECN 355.

## **FOR - Forum**

**FOR 101 Forum** (3 hrs.) Students will attend presentations on campus by visiting musicians, performers, politicians, writers, businessmen and others. In class, the instructor introduces vocabulary and background necessary for understanding the presentation, and helps students think critically to arrive at personal evaluations of the information. This class is offered with a 2-credit option and a 3-credit writing-intensive option.

## **FRE - French**

**FRE 101 Elementary French I** (3 hrs.) This course is designed to develop elementary proficiency in oral expression, listening comprehension, reading, writing, and cultural understanding. Offered annually in the fall semester. Online language laboratory and written assignments required. Open to students with no previous study of French or placement in FRE 101.

**FRE 102 Elementary French II** (3 hrs.) This is a continuation of FRE 101. It further develops the four skills, speaking, listening, reading, and writing. It includes cultural material. Offered annually in the spring semester. Online and written assignments required. Prerequisite: FRE 101 or placement.

**FRE 203 Intermediate French I** (3 hrs.) It significantly develops the communicative skills on topics inspired by everyday life. It reviews the grammar at intermediate level, with strong emphasis on developing the vocabulary, through cultural readings and audiovisual activities. Offered annually in the fall semester. Online and written assignments required. Prerequisite: FRE 102 or placement.

**FRE 204. Intermediate French II** (3 hrs.) It provides a comprehensive grammar review with strong emphasis on oral communication and writing. It includes readings and discussions on French and Francophone cultures. Offered annually in the spring semester. Oral presentations, online and written assignments required. Prerequisite: FRE 203 or placement.

**FRE 280 Introduction to French Literature and Culture** (3 hrs.) In depth analysis of selected literary and cultural documents in the context of wide societal phenomena observed in contemporary France.

**FRE 303 Advanced French Conversation** (3 hrs.) Concentrated oral usage of the language in simulated life situations and discussion of literature and culture. Prerequisites: FRE 204.

**FRE 305 Commercial French** (3 hrs.) The aim of this course is to acquaint students with the terminology used in business administration, law, management, accounting, finance, stock exchange, banking, transport, and insurance, and to familiarize them with commercial letters written according to the most modern rules governing French-English business correspondence. Prerequisites: FRE 204 or instructor's approval.

**FRE 306 Advanced Grammar and Composition** (3 hrs.) A systematic review of all the common elements of French grammar, especially verbs and certain problem words. Oral and written exercises are designed to develop proficiency in both speaking and writing. Prerequisites: FRE 204 or instructor's approval.

**FRE 358 The Individual in Society I (from the Middle Ages to the French Revolution)** (3 hrs.) This course a) introduces students to the main trends in French literature from the Middle Ages to the end of the 18<sup>th</sup> century (medieval *roman courtois*, Renaissance poetry, classical drama and comedy in 17<sup>th</sup> century, Enlightenment prose); b) provides students with conceptual means to analyze literary texts from multiple perspectives; c) enables students to create connections between past and present. Fundamental contemporary aspects of French society cannot be understood without placing them in proper historical context, without identifying and understanding their origins; d) develops students' critical thinking and the ability to do interdisciplinary research. Offered every other spring semester. Prerequisites: FRE 306 or instructor's approval.

**FRE 359 The Individual in Society II (19<sup>th</sup> - 21<sup>st</sup> centuries)** (3 hrs.) This course examines a wide range of literary works that reveal underlying ideologies and views on social organization, family, marriage, gender, and consumerism. Some of the course objectives: a) to introduce students to the main trends in French literature in 19<sup>th</sup> -21<sup>st</sup> centuries; b) to read and analyze in depth representative literary texts from multiple perspectives (literary forms, sociopolitical and economic aspects, religious beliefs, features of urban space); c) to help students understand why it is important to place literary works in larger systems of ideas, beliefs and behaviors; d) to develop students' critical thinking and the ability to do interdisciplinary research. Offered in French every other fall semester. Prerequisites: FRE 306 or instructor's approval.

**FRE 360 Literary Moments and Movements** (3 hrs.) The study of a historical period of literary movement. Students will analyze representative literary texts with particular attention to the historical and intellectual contexts in which they were produced. Topics will

vary and may include Classical Drama, Philosophy and Philosophers of Enlightenment, Romanticism, Realism and Naturalism, Quebec's Contemporary Novel. Prerequisites: FRE 306 or instructor's approval.

**FRE 361 Literature and Culture** (3 hrs.) A thematic approach to literature in which students will be encouraged to reflect on the relationships between literature and culture. Topics will vary and may include Scandals, trials and controversy in French Literature; Representations of America in French texts; Literature and the Arts; Science and Literature. Prerequisite: French 306 or instructor's approval. Offered in French.

**FRE 362 Francophone Civilizations** (3 hrs.) An interdisciplinary study of specific cultures in the French-speaking areas such as Maghreb, West Africa, the Caribbean islands, and Quebec. Offered in French every other fall semester. Prerequisite: French 306 or instructor's approval.

**FRE 363 French Civilization** (3 hrs.) This course is required for the French major and fulfills the civilization requirement for the French minor. It examines French life, history, sociopolitical trends, ideas, values, and institutions from an interdisciplinary perspective. It is intended as a background for students who study literature, culture, and social sciences, as well as a critical course for students who prepare to teach French or other subject matters in the Humanities. Offered in French every other spring semester. Prerequisite: French 306 or instructor's approval.

**FRE 425 Senior Honors Thesis/Project** (3 hrs.) Students majoring in French who wish to graduate with Honors in their subject area may elect to write a thesis or complete a project during their senior year. The topic and nature of the thesis or project will be determined in consultation with the instructor. The student must receive a grade of A for this work in order to graduate with Honors. Prerequisites: Three 300-level courses and permission of the instructor.

## GEO - Geology

**GEO 108 Introduction to Physical Geology** (4 hrs.) Introduces the major concepts in the field of geology. Topics to be covered include rock and mineral identification, map reading, theory of plate tectonics, surface and subsurface hydrology, landform, geologic hazards, and environmental issues. Satisfies natural science lab requirement. The lab portion of the course provides "hands-on" experiences laboratory work, as well as off-campus field trips. GEO 108 will satisfy the Scientific Inquiry (lab).

**GEO 110 Earth Systems** (4 hrs.) This course evaluates basic geographical and earth science principles and processes in the lithosphere (soils and landforms), hydrosphere (hydrologic cycle), atmosphere (weather and climate), and biosphere (biogeography). Study of the relationships between the natural environment and human habitation on the Earth. Lab and field exercises and data evaluation will give students an appreciation of the tools of study and more detailed look at the entire system of the Planet Earth in which there is human interaction. Offered every other spring semester.

**GEO 116 Environmental Geology** (4 hrs.) Geology of natural hazards in the environment, such as volcanoes, landslides, earthquakes, mass wasting and landslides, subsidence, weather, and tsunamis. The course provides "hands on" experiences. In addition to laboratory work, off-campus field trips will be required. Offered every other year in the spring semester.

**GEO 203 Historical Geology** (4 hrs.) A physical history of Earth that examines the processes responsible for creating a dynamic planet. This course evaluates the origins of Earth, changes in continents/ocean basins as it relates to plate tectonics and how these changes influenced climates, environments, and ultimately life. Students will apply concepts from GEO 108 and focus on specific examples of prehistoric organisms and their interaction within the surrounding environment in which they lived. Based on information recorded from the rock and fossil record, a better comprehension of the delicate relationship between organisms and their surrounding environment will be gained. Course content will be complemented with field and laboratory components. Prerequisite: GEO 108

**GEO 302 Geoscience: Perspectives & Creative Design** (3 hrs.) This interdisciplinary course will challenge students to expand on geological content and concepts presented in GEO 108, as well as new material, by engaging in projects that promote and explore new perspectives and creativity. Students will utilize a variety of artistic mediums to express the comprehension and appreciation of various subjects related to the geosciences in more meaningful ways. Prerequisite: ART 230, ART 231, or GEO 108

**GEO 305 Hydrogeology** (3 hrs.) Natural water systems both on and beneath the surface will be investigated. Issues receiving particular attention will include behavior and characteristics of natural systems, human impacts on the systems (including contamination and flooding), and water quality and public health. Offered every other fall semester. Prerequisites: GEO 108 or 110 and MAT 111, 121 or 124 and CHM 105/106 or CHM 114/115.

**GEO 310 Introductory Soil Science** (4 hrs.) Nature, properties and distribution of soils and their relationship to the influence of vegetation, climate, landforms, and human activity. Understanding how soils form and how and why they vary horizontally across the landscape and vertically with depth. Emphasis upon North American patterns. Required field trips and labs. Offered every other fall semester. Prerequisites: CHM 114/115 and GEO 108 or 110.



**GEO 315 Anthropocene Geology** (3 hrs.) This course will expand on important environmental issues during the most recent portion of geologic time, known as the Anthropocene. Primary focus will be on the hydrosphere and atmosphere, and how human activity affects various parts of these systems. Therefore, content will include topics associated with the relationship between human activity and climate change, as well as environmental contamination. In addition, students will also become familiar with a variety of natural hazards and disasters and learn how to prepare and respond to such events. Prerequisite: ENV 105 & GEO 108

**GEO 317 Surficial Geology** (4 hrs.) This course focuses on the physical, chemical, hydrological, and biological processes responsible for shaping and creating various geological surface features and environments. Content includes an in-depth look at weathering, erosion, transporting agents, sedimentation and deposition, soil formation, classification and distribution of soils, soil processes, and landscape evolution. Course content is designed to illustrate the dynamics of Earth's past and future surface environmental changes. A primary focus of the course discusses the relationship between process and surface form, as well as consequences of land scape alteration due to human activities. Lecture material will be complemented with field and laboratory components. Prerequisite: GEO 108

**GEO 320 & 321 Geology and Environment of the National Parks Seminar & Trip** (4 hrs.) Hands-on opportunity to learn geology field techniques, do a cooperative planning effort, and to study on-site the geology and environment of the national parks of the United States and/or Canada. Following a preparatory spring seminar (GEO 320), the one to three-week Summer Session course (GEO 321) will be taught on an off-campus field trip in the United States and/or Canada. Some of the study will be led by federal and state personnel. The geology and environment will be studied at individual national parks, as well as regionally. May be taken more than once for credit.

**GEO 325 Geomorphology** (3 hrs.) Landforms of the continents and marine basins and the physical processes that create and fashion them. In addition to external agents, such as running water, glacial ice, gravity, and waves, the internal forces that create landforms are evaluated. Emphasis upon North American geomorphic patterns. Offered every other spring semester.

**GEO 327 Weather and Climate** (3 hrs.) This course examines the processes and patterns found in the Earth's atmospheric system on a daily basis (weather) as well as a statistical average (climate). The course also examines the effect weather and climate have on the environment in which we live. The course will have a focus on short-term energy input, atmospheric motion and moisture considerations, weather forecasting, climate change, microclimates, and energy balance. Offered every other fall semester.

**GEO 330 Application of Geographic Information Systems** (4 hrs.) Basic study of Geographic Information Systems, particularly ARCGIS software and applications to a variety of disciplines. Course will involve extensive hands-on use of ARCGIS and the development of maps and projects in several disciplines. Offered every other spring semester. Prerequisites: Junior standing and a Tier I math course.

**GEO 335 Paleontology** (4 hrs.) This course will cover invertebrate and vertebrate fossils throughout geologic time and discuss phylogenetic relationships and evolutionary history of important taxonomic groups. Unique morphological characteristics and adaptations will be highlighted and discussed. Furthermore, there will be a focus on the relationship between form and function. Students will learn how to make environmental interpretations based on morphological characteristics. Course content will be complemented with field and laboratory components. Prerequisite: GEO 108 & GEO 203

**GEO 340 Earth Materials** (4 hrs.) This course focuses on mineral and rock resources in both hand sample and thin section. It addresses the natural processes responsible for formation, distribution, and abundances of these resources. Students will be introduced to the basics of crystallization and physical properties based on elemental chemistry, as well as petrographic techniques. This course will also concentrate on common mineral and rock resources that are important to human society and future progress by clarifying how these resources are mined, extracted, utilized, and become cause for environmental concern. Lecture material will be complemented with field and laboratory components. Prerequisite: GEO 108

## GOG - Geography

**GOG 101 Introduction to Geography** (3 hrs.) This course explores the discipline of geography from the dual perspective of the natural and social sciences. Through an examination of key concepts, tools, and methodologies of both physical and human geography, students will be encouraged to develop an understanding of the interaction of human factors such as population, culture and economic or political organization with the physical environment.

## GTS - Global and Transnational Studies

**GTS 105 International Student Transition Seminar** (1 hr.) International Student Transition Seminar is a one-credit hour seminar course designed for new international students. The course offers a general orientation to American culture and to Westminster College campus culture. The course covers subjects such as adjusting to American culture and communication styles, developing a successful financial plan, workplace/classroom etiquette, navigating the American health system, and more. It also covers the rules and regulations all F-1 international students must understand in order to maintain their non-immigrant status. This course is an elective course consistent with our campus commitment to developing "leaders in a global community." CR/D/F only.

**GTS 110 Introduction to Study Abroad** (1 hr.) This course will introduce students to the study abroad experience. It will focus on why students should study abroad, how students go about studying abroad, and where they may want to study abroad. The course will also focus on the logistics of preparing to study and travel abroad.

**GTS 115 Making Sense of Study Abroad** (1 hr.) This course helps students reflect on their study abroad experience. Study abroad is a basic global experience, putting students in a different culture outside of their own cultural comfort zone. The act of spending an extended amount of time in a different culture makes the students transnational actors. The class will discuss the similarities and differences in cultures, the underlying structures of globalization that the students observed or experienced, and whether their perception of America (or their home countries) has changed. Formal writing, group interaction, and power point presentations are required for satisfactory completion of the course.

**GTS 201 Introduction to Global & Transnational Studies** (3 hr.) An introductory examination of the interconnected, multi-cultural, multi-national "global village" in which we live and work today, with special attention to social and cultural conflicts, problems and prospects. The course is designed to introduce and demonstrate the importance of Global & Transnational Studies in today's world and in the lives and careers of students. Students from all majors and backgrounds are welcome.

**GTS 212 Model United Nations Team** (2 hr.) Students will develop the skills of research, writing, debate, and negotiation in order to participate in the Westminster College Model United Nations team. Students will explore one country in depth and examine a range of global issues as they prepare to represent their country at the American Model United Nations Conference in Chicago.

**GTS 306 West European Government and Politics** (3 hrs.) A study of the foundations, structures and functions of the governments of selected major European countries. Offered every other spring semester. Prerequisites: GTS 201, HIS 106, POL 112, POL 212, SEC 201, or permission of the instructor.

**GTS 308 Post-Soviet Politics** (3 hrs.) An examination of the history of the Soviet political system since 1917; the influence of ideology; the role played by the Communist Party, the bureaucracy, interest groups and other actors; political culture, socialization and participation; current economic and social policy issues; and the future evolution of the system. Prerequisites: GTS 201 or HIST 106 or POL 112 or POL 212 or SEC 201 or permission of the instructor.

**GTS 310 Memory and Culture in Global Perspective** (3 hr.) What do we really know about the past? How do we acquire and internalize knowledge about our own lives, our family histories, or the events that shaped the societies, nations, and other groups to which we belong? Is this storehouse of "memory" reliable? How skeptical should we be about information that is presented to us about our collective past? This seminar will begin by reviewing influential writings on the social, cultural, and historical dimensions of memory. Participants will then examine case studies from different parts of the world in which people try to come to terms with challenging, even disturbing, collective experiences. The role of social memory will be explored in connection with national and transnational identities, religion, cultural trauma (e.g. slavery, genocide), truth and reconciliation efforts, monuments and commemorations, transition justice, and related topics. Finally, we will ask whether global media and education are creating a store of shared memory that is more truly transnational than ever before in history. The seminar welcomes all students who have completed at least one introductory course in the social sciences or humanities (including interdisciplinary listings). Prerequisites: Any ONE of the following—GTS 201, SOC 111, ANT 115, HIS 109, HIS 110, PHL 101, POL 212, PSY 112, PSY 113—OR instructor permission.

**GTS 320 Global Inequality** (3 hr.) This seminar will examine economic inequality in global, historical, and socioeconomic perspective. After briefly reviewing classic works on the origin and nature of inequality, we will survey the broad sweep of economic history and then consider inter- and intra-national inequality from the perspective of a political economy of the world system. Although the focus is primarily on economic dimensions, there will be some attention to intersections with gender, race/ethnicity, religion, age and other axes of inequality. Writing-Intensive. Prerequisites: Any one of the following: GTS 201, BUS 340, ECN 211, ECN 212, SOC 111, POL 212, or instructor permission.

**GTS 325 Middle East and North African Politics** (3 hrs.) An examination of political issues within and between the countries in the Middle East and North Africa. In this course, students will examine the role of religion in politics, the causes and consequences of military conflicts in the region, efforts to promote (and diminish) the rights of marginalized groups, and the wide diversity of political institutions that exist in the area. Prerequisites: GTS 201, SEC 201, POL 212, or permission of the instructor.

**GTS 330 The Global City** (3 hr.) This seminar offers an intensive survey of social science literature on the city in global perspective. Topics examined will typically include: classical perspectives on urbanism and urbanization; historical transformations in the relationship between city and country; the role of cities in regional, national, and pan-national development; transnational inter-city networks; cities as platforms for collective action, including protest; as well as the impact of such factors as new inequalities, cultural flows, digital connectivity, human security, urban social problems, transnational migration, terrorism, and war. Prerequisites—any one of the following: GTS 201, ECN 110, ECN 211, POL 212, SOC 111, or instructor permission.

**GTS 346 Chinese Politics and Influence** (3 hrs.) An examination of how China's emergence as an economic, diplomatic, and military heavyweight is shifting the global balance of power, shaping the responses of governments and intergovernmental organizations, and posing fundamental questions about the nature of world order itself. Prerequisites: GTS 201, SEC 201, POL 212, or permission of the instructor.

**GTS 401 Research Seminar** (3 hr.) This interdisciplinary seminar is open to any student with an interest in national, transnational, and global issues and who has met the specified prerequisites. Its core objective is to cultivate an ability to comprehend, discuss, and produce scholarly research at an advanced undergraduate level. Required readings cover seminal works and exemplary texts in transnational and international studies. In class meetings, students work as a collaborative team to analyze assigned readings and provide feedback on classmates' research. During the initial weeks of the course, students submit research proposals and begin assembling relevant scholarly sources. In the remainder of the term, students prepare cumulative portions and rough drafts of a research paper, culminating in a final draft approximately 25 pages in length. The most outstanding papers will be submitted as a session for the spring Undergraduate Scholars Forum. 3 credit hours. Prerequisites: GTS 201 or instructor permission; junior or senior status.

**GTS 402 International/Transnational Studies Senior Thesis I** (3 hr.) Students majoring in Global & Transnational Studies who have a cumulative GPA of 3.30 or higher in the major may elect to write a senior thesis for honors recognition. "Graduate with Honors" will be noted on their transcript provided they complete the thesis with a grade of B or better. Prerequisites: GTS 401.

## HES - Health and Exercise Science

**HES 101 Intro to Exercise Science** (1 hrs.) This class will provide an opportunity for students to understand the scope of health professions related to Exercise Science as they begin their studies in the major and explore professions: e.g. medicine, nursing, physician assistant, physical therapy, occupational therapy, personal training, dietetics, chiropractic, strength and conditioning coaching. Students will also meet with WC Career Services, learn about major requirements/ advising, how to write professionally, and how to track and reflect on their progress in the major through major's portfolio (in Canvas).

**HES 104 First Aid and Cardiopulmonary Resuscitation (Fee)** (1 hr.) Designed around the National American Red Cross modules, this course will provide students with the knowledge and skills necessary in an emergency. The content and activities will prepare students to recognize emergencies and make appropriate decisions regarding care. It will also provide information on the prevention of injury and illness, with a focus on personal safety. Offered fall and spring semesters.

**HES 132 Wellness Concepts** (2 hrs., second block, Spring semester) Students identify their current wellness status, acquire accurate wellness information, and develop skills to analyze health claims, and work toward personal wellness objectives. Physical Education Majors will take this course concurrently with Physical Fitness (PED A22) to meet state requirements for health-related fitness and wellness. Offered spring semester.

**HES 204 Fitness and Wellness Concepts** (3 hrs.) Students' baseline fitness values are assessed, fitness principles are learned, and training and behavioral strategies are developed through in-class activities. Students identify their current wellness status, acquire wellness information, develop skills to analyze health claims, and work toward personal wellness objectives. Offered spring semester.

**HES 205 Stress Management** (3 hrs.) This course introduces students to basic principles and theories of stress and techniques to effectively manage stress. Based on holistic health perspective, student will identify the various causes of stress and be introduced to a variety of stress management techniques and stress-reducing behaviors. Ultimately, students will develop and practice approaches that will contribute to optimal lifelong health.

**HES/EDU 206 Elementary Physical Education Methods** (3 hrs.) This course is meant to prepare students to teach physical education and movement activities to elementary school children. By identifying patterns of growth and development, students will be able to develop methods to successfully teach fundamental movement skill and physical education concepts through quality instruction, games, dance, health-related fitness and perceptual-motor activities. This course is for K-9, K-12 physical education majors. Offered in spring odd semesters.

**HES/EDU 207 School Health, Physical Education and Safety in Elementary** (3 hrs.) This course examines the principles of teaching health, physical fitness, and safety for wellness and optimal development with an emphasis on the needs of children. Offered in fall semesters.

**HES 208 Creative Movement and Rhythms** (3 hrs.) An introduction to the elements of creative movement and dance. Through a variety of learning experiences, students will examine movement forms as more than just physical activity, but as a means of self-expression and a vital aspect of culture. This course will give students practice in designing movement-learning experiences for persons of all ages. Offered in fall semester.

**HES 215 Principles of Motor Learning** (3 hrs.) The class will include lecture and laboratory experiences to study the principles and factors that influence motor skill acquisition and development. With an understanding of the theoretical bases, students will learn methods and teaching approaches that improve motor skill development and retention. Offered in odd numbered spring semesters.

**HES 220 Social Science in Sport** (2 hrs.) An analysis of the significance of physical activity in society and culture. Motivation and self-concept as applied to play, game, sport, and athletics are examined. Offered in fall semester.

**HES/PSY 231 Sports Psychology** (3 hrs.) An examination of the psychological factors influencing participants and, to a lesser extent, spectators in sport. Topics include the use of behavioristic principles to develop skills, and the effects of causal attribution, attention, anxiety, coaching strategy, and imagery on athletic performance. Additional special topics include audience effects, children in sports, and the psychological benefits of exercise. Offered in fall semester.

**HES 232 Care and Prevention of Athletic Injuries** (3 hrs.) This course is designed to provide students with introductory information concerning primary injury care and management, with a special emphasis on the preventative aspects of athletic injuries. Students will learn the practical techniques for applying terminology and anatomy for evaluation and care of various injuries as they pertain to the knee, ankle, shoulder, elbow, spine, and head/face. Students will also be introduced to basic modalities used in the field of athletic training, basic training and conditioning guidelines, and how to deal with environmental issues as they pertain to athletics as well as apply those skills in the practical setting. Additional information regarding legal and organizational issues will also be addressed. (Previously offered as HES 230/235).

**HES/GTS 240 Introduction to Global Public Health** (3 hrs.) The course will study foundational public health concepts in a global context, using an evidence-based approach. Students will understand the complexities inherent in improving health on a global scale, the impact of poverty and inequality, the role of institutions and major players in global health, and the link between global and local health problems and solutions. General Education credit is earned through class activities in which students explore aspects of various cultures (history and tradition, institutions such as family and faith communities, economy, politics and law) and their impact on health status and strategies for prevention and treatment of disease. Offered in fall semester.

**HES 251 Introduction to Nutrition** (3 hrs.) This is an introductory nutrition class covering the major nutrients (carbohydrates, lipids, proteins, vitamins, minerals, and water) and their role in energy balance, weight management, the digestive process, and overall health. Students will learn the basics of healthy eating through the life cycle along with the basic nutritional science concepts of metabolism and digestion. Students will also learn about nutrition misinformation, fad diets, and food politics. This course will give students the fundamental knowledge they will need to make informed decisions about foods. Course fee required. Offered in fall semester.

**HES 261 Introduction to Epidemiology** (3 hrs.) This course will introduce basic principles and concepts of epidemiology by describing the various ways that disease (and other health-related conditions and events) occur in populations. The course will emphasize the practical use of epidemiology and lectures will be complemented by case studies and readings of contemporary issues in disease and public health. Offered online spring semester.

**HES 309 History and Philosophy of Physical Education** (2 hrs.) Designed to assist students to develop an historical perspective and viable personal philosophy of physical education. Offered in fall odd semesters.

**HES 321 Kinesiology** (3 hrs.) The study of human motion through the application of anatomical and physiological fundamentals, as well as basic biomechanical principles. Information will be presented in a lecture/ laboratory format. Prerequisites: BIO 107 or BIO 114/115 or BIO 124/125.

**HES 340 Exercise Physiology** (3 hrs.) This course is designed to study the responses and adaptations of the functions of the human body to physical exercise, and the contribution of exercise to optimal health. This course integrates the knowledge of biological processes and applies it to sport and exercise. The material covered is pertinent to teaching, coaching, and appropriate for students interested in health and exercise. Prerequisites: BIO 114/115 and BIO 124/125 (with a grade of B- or higher) or BIO 107. Offered fall semester.

**HES 342 Exercise Prescription** (3 hrs.) The class will cover general principles of exercise prescription for healthy persons and individuals with special needs. Particular emphasis will be on training to improve fitness and performance. Fitness testing and risk factor assessment will be the basis of developing a safe effective exercise program. Course Prerequisite: HES/PED 340 Exercise Physiology. Offered spring semester.

**HES 350 Theories of Adapted Physical Education** (3 hrs.) Designed to identify exceptional children and to provide a learning environment suitable to their needs and capabilities. Offered in spring of odd numbered years, even fall semesters. Requires two hours of lecture and one hour of activity.

**HES/WGS 355 Women's Health Issues** (3 hrs.) This course will explore the topic from three perspectives: holistic health perspective, a developmental perspective, and sociocultural or global perspective. Readings, discussion, lecture, writings, research, and presentations will consider these perspectives in better understanding women's health issues. Prerequisite: One course from the following: PSY 112, PSY 113, NSC 108, BIO 114/115, SOC 111, WGS 210, REL 102. Offered spring odd semesters.

**HES 357 Community Nutrition** (3 hrs.) Student will explore the interrelationships between nutrition and health in community settings (local and global communities). The effect of socio-economic, environmental, cultural, and political factors on health and nutritional status will be examined. Food and nutrition policies and interventions designed to enhance the well-being of populations groups will be discussed. Each student will complete a culminating service-learning project based on interest area derived from class readings, discussion and experiences. Prerequisites: One course from the following: PSY 112 or 113; BIO 107, 108, 114, or 124; SOC 111; ECN 212; POL 112; or PHL 101. Course fee required. Offered spring semester.



**HES 398 Independent Study** Advanced study in health and/or physical education not covered in regular course offerings. Students work on a subject selected in conference with the instructor.

**HES 399 Internship** Supervised experience in a cooperative program with business, government, community, or related establishment in the areas of health and/or physical education.

**HES 405 Measurement and Evaluation in Physical Education** (2 hrs.) An examination of various tools of measurement and an analysis of the purposes, values and limitations of measurement tools in relation to objectives. Field experience is included. Offered in spring of odd numbered years. Prerequisites: MAT 114. Offered spring semester.

**HES 406 Management in Physical Education and Athletics** (2 hrs.) A study in the development and promotion of educationally sound programs. Offered in spring of odd numbered years. Offered spring semester.

## HIS - History

**HIS 101 British History to 1800** (3 hrs.) An introductory course covering British/British Isles social, intellectual, cultural and political history.

**HIS 102 Survey of British History from 1800 to the Present** (3 hrs.) An introductory course covering British social, intellectual, cultural, and political history.

**HIS 103 History of the United States to 1877** (3 hrs.) A survey course covering American social, intellectual, economic and political development from pre-colonial times to 1890.

**HIS 104 History of the United States since 1877** (3 hrs.) A survey course covering American social, intellectual, economic and political development from 1890 to the present. A student may take this course without having had HIS 103.

**HIS 109 World History I** (3 hrs.) This course will emphasize the economic, cultural, and political interrelationships between different parts of the world as well as the global issues that define the modern era.

**HIS 110 World History II** (3 hrs.) This course will cover global history from the Enlightenment to the present. It will lay a foundation for understanding the breadth of human experience and how that experience has shaped the world we live in. Rather than focus solely on the separate development of civilizations, this course will emphasize the connections between cultures. In other words, we will look at cross-cultural interactions and compare global reactions to common problems. Additionally, this course will expose students to historical methods, thereby enabling students to discover the complexity of past and present events, to examine the interrelationship of such factors as politics, economics, race, gender, culture, and religion, and to reflect more thoughtfully on the national and international issues that face them today.

**HIS 279 African Civilization** (3 hrs.) A general survey of economic, political, and cultural world of sub-Saharan Africa from ancient times to the present. Offered in alternate years.

**HIS 310 Topics in Public History** (3 hrs.) Public History encompasses all the ways in which the study of the past is presented to the public in a non-academic way. In other words, it is the fun way of learning history. This course offers multiple ways for students to examine the theory behind different aspects of Public History and then allows them to gain practical experience of the discipline through either high-impact, project-based, or service-learning assignments or through dedicated travel courses.

**HIS 335 Topics in U.S. Social, Cultural, or Political History** (3 hrs.). This course explores an aspect of domestic U.S. History which sheds light on broader issues surrounding the nation's identity. Topics are selected based on the most pressing issues facing society today. Students will gain vital research, writing, and presentation skills while engaging with thought-provoking and often challenging subjects.

**HIS 340 Topics in Diplomatic and Military History** (3 hrs.). Beginning as a relatively small nation of thirteen states tied to the East Coast of North America, the United States rapidly ascended to a position of global preeminence through aggressive territorial expansion and through a series of military engagements. The policies and processes involved left a profound impact on the lives of those affected and on the course of world history. This class offers a deep examination of one aspect of U.S. Diplomatic or Military History to illuminate the causes and consequences of the United States' rise to superpower status.

**HIS 350 Topics in Early World History** (3 hrs.). This course uses a variety of different topics to explore traditions, change, and growing connections in the pre-modern world. Components of the course include seminar style discussions of primary sources and scholarly articles, research projects, and project presentations. Examples of topics include Medieval Pilgrimages (world religious and travel history) and the Vikings (Medieval Scandinavian, Islamic, Eastern European, and North American history with an emphasis on archaeology as history and modern political and cultural influences).

**HIS 360 Topics in Modern World History** (3 hrs.). This course uses a variety of different topics to explore the connections and themes of the post-1500 world. Components of the course include seminar style discussions of primary sources and scholarly articles, research projects, and project presentations. Examples of topics include Deviant and Degenerate Art (world history through culture from 1800-1980) and WWI and the Treaty of Versailles (military, diplomatic, and colonial world history from 1900-1960).

**HIS 390 Historical Methods** (3 hrs.) This course allows students to study the philosophy and methods of historical research, writing, and thinking. History majors and minors should enroll in this course in the Spring semester of their sophomore year. Prerequisites: Two 100-level history courses or permission of the instructor.

**HIS 396 Applied History** (1 hr.) This course is designed for History Majors and Minors to focus their practical and intellectual skills toward a rewarding career after graduation. The course will help students explore career/grad school options, connect them to graduates who have excelled in a variety of fields, help them find professional opportunities to present and publish their work, help them develop and refine a stellar cover letter and resume, and help them practice job talks and job market etiquette. Prerequisites: HIS 390, or with the consent of the instructor

**HIS 397 History for the Public** (1 hr.) This course is open to History Majors and Minors who have completed - or who are currently working on - their undergraduate thesis. It introduces them to the many ways they can present their work to the public including conference presentations, op-eds, journal articles, museum displays, documentary films, and more. Students will be expected to present their work in one or more of these outlets by the end of the course. In doing so, this course will enhance both their professional skills and profile. Prerequisites: HIS 390, or with the consent of the instructor

**HIS 398 Independent Study** (1-3 hrs.) Systematic reading, guided by members of the department, on particular historical periods, problems, or personalities. Enrollment by permission of the instructor.

**HIS 422 Senior Thesis** (2 hrs.) The practical application of the techniques of historical research preparatory to HIS 423. Required of all history majors in the fall semester of the senior year. Prerequisites: HIS 390.

**HIS 423 Senior Thesis** (3 hrs.) The practical application of the techniques of historical research, analysis, and composition culminating in a thesis. Students will defend their theses in seminar. Required of all history majors in the spring semester of the senior year. Prerequisite HIS 422.

**HIS 424 Senior Thesis** (1 hr.) Rewriting the senior thesis based on faculty and student critiques.

## HON - Honors

**HON 101 Introduction to Honors Study** (1 hr.) In this introductory, 1 credit mini-course, students are introduced to the challenges, rewards, and demands of interdisciplinary study by reading and discussing scholarly work from a range of academic disciplines, continuing those conversations in greater detail with Westminster faculty over coffee and dessert, gaining behind-the-scenes access to several distinguished speakers who will present at this year's interdisciplinary Symposium on Democracy, and achieving a basic theoretical grounding in issues central to the Spring Honors Seminar.

**HON 150 Special Topics Seminar** (3 hrs.) This 3-credit, integrative seminar for freshmen in the Honors program addresses the special academic topic of the instructor's choice from multiple disciplinary perspectives, and pushes students to do advanced academic work in their freshman year. This course is taught by a rotation of faculty members from different disciplines.

**HON 201 Advanced Honors Study** (1 hr.) In this introductory, 1-credit mini-course, students continue their interdisciplinary studies by reading and discussing scholarly work from a range of academic disciplines, gaining behind-the-scenes access to several distinguished speakers who will present at the interdisciplinary Symposium on Democracy, beginning to plan the following year's off-campus opportunity (by applying for scholarships, researching internship deadlines, lining up letters of recommendation, etc.), and achieving a basic theoretical grounding in issues central to the Spring Honors Seminar.

**HON 250 "Great Ideas" Seminar** (3 hr.) This course will allow instructor(s) to teach an interdisciplinary seminar on topics related to "great ideas," or, topics of cultural/ideological significance explored in-depth and applied to/within a contemporary context. The specific focus of this course will change each year depending on the instructor's/s' areas of interest and expertise, but may include detailed explorations of pivotal concepts related to justice, democracy, rationality, nationalism, aesthetics, scientific inquiry, etc. Academically, this course will push students to function at a level approaching that required in a graduate program, and may set the foundation for a thesis project in the students' senior year.

**HON 301 Planning an Off-Campus Experience** (1 hr.) This 1-credit mini-course prepares student for an off-campus experience during the spring semester. To that end, class time is principally devoted to making individuals schedules, workshopping drafts of application materials, and collecting any other necessary documents. Off-campus experiences could entail studying abroad, performing an internship, presenting a paper at an academic conference, or volunteerism.

**HON 350 Honors Off-Campus Experience** (1 hr.) Students will complete an off-campus experience in accordance with the contract developed in HON 301. Prerequisites: HON 301.

**HON 450 Honors Thesis** (1 hr.) Students will complete an advanced research project in accordance with the contract developed in HON 400. Students will also continue to serve as mentors to members of HON 150. Prerequisites: HON 400 Planning an Honors Thesis.

## HUM - Humanities

**HUM 277 Spanish Civilization** (3 hrs.) An introduction to Spanish civilization from its beginnings to the present. Offered in English every spring semester.

**HUM 278 Latin American Civilization** (3 hrs.) An introduction to the culture and civilization of Latin America, from the colonial period to the present, with concentrated study of contemporary Latin American culture. Includes historical, social and economic aspects, as well as art and literature. Offered in English every fall semester.

**HUM 294 Introduction to the French-speaking World** (3 hrs.) An overview of French speaking cultures outside of Europe. Topics considered include the historical connections between France and the non-European Francophone world; the impact of colonialism on indigenous cultures, social relationships, and means of artistic expression; the interdependence of language and culture; and current issues of economic and political concern. Offered in English every other spring semester.

## IDV - Interdivisional Courses

**IDV 4xx Advanced Projects** (3 hrs.) Special interdivisional courses are offered under this listing. These courses may not be counted towards meeting major requirements in any major subject, but they may, at the major department's discretion, be applied to collateral requirements for a major. May be repeated for credit with change of topic.

## ITS - Internship

**ITS 399 Departmental Internship** (1, 2, 3, or 4 hrs.) This course provides students the opportunity to participate in a professionally-supervised work experience related to their academic program and career interests. The intern is the chief architect of his/her/their learning and must initiate his/her/their own learning goals, keep a learning journal, participate in regular discussions with a faculty sponsor and complete a final project. Students must complete the necessary online form through the Internship Coordinator in the Greg Richard Office of Advising and Career Development. The intern will be awarded elective credit in the department associated with the internship experience and will receive credit on a CR/D/F basis. Prerequisites: Sophomore standing and initial discussion with the Internship Coordinator and approval from academic advisor. (Sophomores may take only one credit of ITS 399 except with approval of the Internship Coordinator and his/her/their academic advisor.)

**ITS 409 Interdisciplinary Internship** (5-12 hrs.) This course gives students a unique opportunity to earn internship credit through two academic departments, providing an interdisciplinary approach to the experience. Students have a faculty sponsor in each department through which they are earning credit. Prerequisites: Junior or Senior standing, 2.5 GPA, permission of advisor.

## ITY - Information Technology

**ITY 398 Independent Study** (1-4 hrs.) Independent study under the supervision of faculty members on a particular topic agreed upon by both the student and instructor. Department consent required.

**ITY 399 Internship** (1-12 hrs.) Information Technology related experience in business or industry jointly supervised by faculty and computer professionals. Department consent required.

## JMP - Journalism, Media, Publishing

**JMP 220 Janus and the World of Publishing** (3 hrs.) This course will introduce students to the world of publishing through a variety of means. Students will take part in all aspects of editing, designing and producing Westminster College's literary magazine, *Janus*, using In-Design and a variety of collaborative and individual exercises. Moreover, students will explore other publishing topics and avenues including but not limited to: learning the fundamentals of copy-editing, writing book and article proposals, creating and maintaining blogs and other social media sites, writing query letters, investigating and managing submissions, writing and submitting book reviews, evaluating publication options, promoting published material, and establishing and maintaining a writerly presence. Prerequisites: ENG 103 and ENG 275, or permission of the instructor.

**JMP 260 Introduction to Journalism** (3 hrs.) A survey of the field of journalism, with particular attention to its history, ethics, and the responsibilities of the journalist. Much of the class work is the writing of typical examples of journalism. Students enrolled in this course will participate in a practicum as writers or editors for The Columns. Prerequisites: ENG 103.

**JMP/ENG 265 Technical and Web Writing** (3 hrs.) Technical Writing refers to any writing done by a professional in a field who is communicating specialized information to a specific audience. The field could be computer software or engineering, but it could just as

easily be business, government, non-profits, finance, or education. This course focuses on writing, editing, and design skills that you can apply to any professional job. Because so much of today's workplace writing appears on the internet, this course will pay particular attention to how to write, arrange, and deliver information effectively on the Web.

**JMP/ENG 270 Expository Writing** (3 hrs.) A course in advanced composition, with emphasis on reasoning and organization, and with special attention to principles of style. Part of the course will consist of discussion of student work, as well as the study of trends of thought and the literary techniques of published essayists. Prerequisites: ENG 103.

**JMP 355 Message and the Media** (3 hrs.) This course will study the nation's first media explosion, when innovative information technologies opened up the world and created a nation. We will examine the way literate and non-literate forms of communication formed an information network that drew people together on the North American continent, before the colonial era and up to the Early Republic. We will begin with Native American wampum and end with the telegraph. In between, we will evaluate written media—newspapers, pamphlets, magazines, letters, diaries, almanacs, and the first American novel. We will also consider drama, maps, advertising, painting, cartoons, money, folktales, food, and bar room ballads as media forms that unified the colonists in their political and social thinking. We will simulate and engage in some early American communication practices in order to understand the roots of our own media use today. Prerequisites: a 200-level course in literature or permission of the instructor.

**JMP 376 Creative Nonfiction** (3 hrs.) A workshop course in which students study the works of successful creative nonfiction writers, identify and practice the forms and techniques they employ, and use those techniques to craft their own poems. Group discussion of students' writing plays a primary role. Prerequisites: ENG 103 and 275.

**JMP/ENG 380 Introduction to Digital Humanities** (3 hrs.) Digital tools such as archives, data mining, data visualizations, and games are changing how students and scholars approach the study of the humanities. In this course, we will use digital tools to facilitate our own interpretation and research, with a particular focus on Mary Shelley's *Frankenstein* and its enduring influence on popular culture. No technical proficiency is assumed—you only need to be willing to learn. Our projects will include many hands-on (and, I hope, fun) opportunities to make things in addition to the analytical writing assignments you are familiar with from other English courses. Prerequisite: A 200-level course in literature (ENG 204, 205, 238, 239, 248, 249).

## LAT - Latin

**LAT 101 Elementary Latin I** (3 hrs.) The fundamentals of Latin grammar and syntax are introduced in order to acquaint the student with the linguistic tools necessary for reading Latin literature. Four class meetings per week.

**LAT 102 Elementary Latin II** (3 hrs.) A continuation of fundamental grammar and syntax, and selected readings from Latin literature. Four class meetings per week. Prerequisites: LAT 101.

**LAT 203 Intermediate Latin** (3 hrs.) Selections from Latin literature and review of grammar. Offered annually in the Fall semester. Prerequisites: LAT 102.

**LAT 204 Intermediate Latin II** (3 hrs.) The course is an introduction to Latin poetry - its mechanics, conventions and the cultural context in which Roman poets lived and wrote. Usually offered annually in the Spring semester. Prerequisites: LAT 203.

## LST - Organizational Leadership

**LST 100 Peer Mentoring** (1 hr.) This course will encourage students who are serving as peer mentors for the Westminster First Year Experience to continue to develop their skills as mentors and effectively support new students' transition to college. Students will not only engage in service to the college by supporting their mentees and first-year instructors, but also will be asked to establish personal and professional goals that they will work to develop through the mentoring experience.

**LST 101 The Leader Within** (1 hr.) This course introduces all first-year students to the College's challenge of "developing leaders in a global community" by first becoming engaged, responsible members of the college learning community. Students will explore the meaning of "personal leadership" and ways in which they will make meaningful contributions to our campus and in the world. Additionally, they will develop a plan for academic and co-curricular success, become acquainted with Westminster's history, values, mission, and campus support services, and begin appreciating the value of a liberal arts education. Topics will engage students in discussions regarding life decisions and first-year transitional issues, including the areas of relationship-building, cross-cultural understanding, ethical leadership, wellness, and academic practices.

**LST 131 Theoretically Based Leadership Lab** (1 hr.) This seminar-style course will introduce students to theories of leadership as those theories relate to personal and group leadership, organizational change and other relevant leadership issues and theories. Students will apply the information presented in the course to improve their leadership skills and develop an understanding of their role in the community. Using active learning strategies, the course will emphasize listening, communication, critical thinking, and problem-solving skills. Permission



of the instructor may be required for enrollment. The course may be repeated with change of topic. At the instructor's option, the course may be offered with a second hour of credit with the addition of a service-learning project. The service-learning project will require a minimum of 15 hours of service.

**LST 132 Problem Based Leadership Lab** (1 hr.) This seminar-style course will introduce students to theories of leadership through the examination of campus, community, national and global issues and problems. Students will apply the information presented in the course and problem-solving techniques to improve their leadership skills, and develop strategies for addressing community challenges. Using active learning strategies, decision making models, the social change model, or change theories, the course will emphasize listening, communication, critical thinking, and problem-solving skills. Permission of the instructor may be required for enrollment. The course may be repeated with change of topic. At the instructor's option, the course may be offered with a second hour of credit with the addition of a service-learning project. The service-learning project will require a minimum of 15 hours of service.

**LST 133 Service-Learning Leadership Lab** (1 or 2 hrs.) This service-learning course will introduce students to theories of leadership and the relationship between service and leadership. Through the use of a service-learning project, students will relate leadership theory to service, community needs and civic engagement. Students will apply the information presented in the course to improve their leadership skills, understand community issues, and develop strategies for addressing community challenges. Using active learning strategies, the course will emphasize listening, communication, critical thinking, and problem-solving skills. Permission of the instructor may be required for enrollment. The course may be repeated with change of topic. The course will require a minimum of 15 hours of service per credit hour.

**LST 134 Career Management I** (1 hrs.) Introduction to Career Management: is an overview of the basics of deciding on a major, which includes assessments, research, self-reflection and preparing job-searching materials (resume, cover letter, interviewing, etc.)

**LST 180 Tutoring Skills I** (2 hrs.) This course is designed to teach tutors about the issues typically encountered in peer tutoring. Topics range from basic information to more advanced approaches to handling specific problems and/or issues. There is a focus on ethics and communication skills in addition to topics more directly related to successful tutoring. The course utilizes an on-line component and bi-weekly seminar style meetings to enable tutors to discuss their reactions to the topics presented in the course. Also, tutors may meet with faculty lab directors in small groups to discuss tutoring in the labs (i.e. writing lab, math lab, accounting lab, or tier II lab).

**LST 201 Leadership Theories and Practice** (3 hrs.) This course will serve as an introductory seminar for students interested in minoring in Organizational Leadership at Westminster or studying leadership in general. The course will focus on: 1) familiarizing students with the academic literature and general theories of leadership in the social sciences and other disciplines; 2) aiding students in developing academic skills that improve their leadership abilities; 3) providing practical opportunities for students to apply their leadership skills; and 4) creating a stepping-stone for further study of leadership-related topics in other courses. The course will most likely have a mentor or mentors to help in the facilitation of dialogue and information.

**LST 205 Mediation and Conflict Resolution** (3 hrs.) LST 205 is designed for students pursuing a minor in Organizational Leadership but is open to all students. It satisfies the "Communication Skills" requirement of this minor. This course focuses on the analytical, methodological and practical tools of conflict mediation with an emphasis on conflict prevention, management, and resolution. The course provides students with an introduction to the theories of conflict, conflict resolution, and mediation. Students will then be challenged to apply these theories to real cases taken from history, current events, and community or campus conflicts. The course will also provide a laboratory for students to learn and develop their mediation and conflict resolution skills. Students may choose a service-learning alternative that allows them to integrate out of the classroom experiences with theory through campus or community placements (e.g., involvement with the Fulton Housing Authority Mediation Program).

**LST 210 Leadership for Non-Profit Organizations** (3 hrs.) This 3-hour course will take an in-depth examination of special and/or specific topics in leadership. Students will examine the leadership issues, requirements, strategies and techniques that may be unique to the topic. The course will examine the issue from both the individual leadership and group leadership perspectives. (Courses might include: gender and leadership, leadership for non-profit organizations, fund raising for non-profit organizations, and leadership in government.)

**LST 236 Work-Life Design** (2 hrs.) Job or career mobility are the new buzzwords as more employees seek careers that align with their values, skills, and life goals earned through promotions, advancement, or a change in their job roles. To become a competitive job candidate, employees must evaluate and invest in their professional skills and career development to gain control over their personal and professional lives. Work Life Design aims to develop these modern career development skills which include life design concepts for the adult learner who may be in the process of career transition. Besides polishing their resume and expanding their network, students can expect to learn work-life balance, career transition and growth strategies, how to work at peak performance and remain engaged in their careers.

**LST 240 Leading Oneself to Personal Wellness** (3 hrs.) Wellness is an essential component to productivity, disease prevention and management, optimal functioning, and thus, overall personal development. This course will take a "whole-person" approach using the six dimensions of wellness: physical, emotional, spiritual, occupational, social, and intellectual. There will be an emphasis on practical and sustainable behavioral change that includes personal self-reflection and environmental awareness. Each topic will include a self-assessment plan. Topics include stress management, nutrition, fitness, worksite wellness programming, health-promotion and assessment of risk, and wellness leadership. Prerequisite LST201.

**LST 250 Leadership Communication** (3 hrs.) Excellent communication is essential for effective leadership and for any organization to thrive. This course offers an overview and application of the development of communication skills, whether it is learning to lead teams, resolving conflict, disseminating information clearly, or becoming a better public speaker. The influence of social media on our society will be covered to examine how individuals, as well as organizations can use these communication tools effectively. Additionally, the course will explore the use of technology as tools to enhance and improve organizational communication, and the many ways in which technology can be used to improve organizations and serve as a source of competitive advantage. Prerequisite LST201.

**LST 280 Tutoring Skills II** (2 hrs.) This course expands upon and augments the material in LST 180. Material from LST 180 is reviewed in order to foster an understanding of the important elements of difference between students as they relate to successful tutoring practice and to all aspects of interactions among people. Different approaches to learning and teaching are discussed as well as ethical practice in these areas. This course also explores the leadership role that tutors play on the Westminster campus. The course utilizes an on-line component and bi-weekly seminar style meetings to enable tutors to discuss their reactions to the topics presented in the course. Also, tutors may meet with faculty lab directors in small groups to discuss tutoring in the labs (i.e. writing lab, math lab, accounting lab, or tier II lab).

**LST 301 Organizational Leadership Mentoring** (1-4 hrs.) This course will allow the upper-level Organizational Leadership minor or student who has completed an introductory course in Organizational Leadership to develop their mentoring and leadership skills while advancing their knowledge of leadership theory. In addition to the instruction provided, the student will develop their mentoring and leadership skills through one of the following instructor-approved experiences: 1) Serve as teaching assistant to LST 201 Leadership Theories/Practices and mentor to students taking this class; 2) Serve as a Westminster Seminar Mentor; 3) Assist with the course development and serve as teaching assistant for a Leadership Lab (LST 131/132/133); or 4) Serve in another leadership/mentoring role as approved by the instructor and the coordinator of the Organizational Leadership program. In addition to the leadership and mentoring experiences, the student will increase their knowledge of leadership theory and develop higher level mentoring skills through research, reflective journaling, or other methods as assigned by the instructor. Prerequisites: LST 201 or LST 205.

**LST 325 Cross-Cultural Leadership** (3 hrs.) Today's world demands culturally-intelligent leaders – leaders who understand themselves and the culture from which they come, and who are able to use their cross-cultural skills to make a positive difference regardless of cultural setting, whether it is across the globe or in their own community. Developing cross-cultural competence is the primary goal for this course, attained through a case study/problem-based learning method that challenges students, individually and in groups, to apply their critical thinking skills to real challenges faced by cultures different than their own. It enhances a student's ability to see challenges from multiple points of view and pushes them to broaden and deepen their ability to use different filters to understand human behavior and organizational dynamics. Ultimately, it is a course for students who feel a "call to action" and want to make the world a better place by collaborating with others who come from different cultures and back-stories. Prerequisites: LST 201, GTS 201, or GTS 210.

**LST 330 Diversity & Ethics in Leadership** (3 hrs.) Appreciating the opportunities and challenges that come from a diverse workforce is essential for leaders. This course reviews research on worker similarities and differences based on age, generation, culture, race, ethnicity, nationality, disability status, gender identification, and sexual orientation. In addition, this course will discuss ethical issues that arise in the workforce and in society which demand enlightened leadership. Students will learn to apply this knowledge as they become more competent leaders in a global society. Prerequisite LST 201.

**LST 340 Great Leaders** (3 hrs.) This course examines great leaders and focuses on the struggles they faced and the leadership habits and techniques they employed to transcend those difficulties. Drawing on their knowledge from previous leadership modules, this course will allow students to see examples of leadership in practice. The subjects chosen will reflect the broad diversity of leaders crossing all political, gender, and ethnic lines. This course will also provide a biographical overview Winston Churchill and of some of the other influential leaders Westminster College has welcomed to its campus to deliver the Green Lecture. From presidents to musicians, entrepreneurs, and activists, Westminster has become a key destination for global leaders to deliver transformative speeches. Prerequisite LST201.

**LST 334 Career Management III** (1 hrs.) Further tracks the progress of one's personal career development path and career goals with an emphasis on the current job market, employment trends, and completing more advanced job searching or graduate school application materials. In-depth case studies and research will be required.

**LST 350 Leading Teams and Group Dynamics** (3 hrs.) Collaboration, teamwork, and group cohesion are crucial elements to organizations and high performing work groups. This course focuses on high performance teams and what makes them work. Selected theories and concepts will describe the stages of team development, the establishment of group norms, barriers to effective teamwork, team productivity, and team-building techniques. The course also analyzes the process of group communication, particularly in the context of task-oriented and decision-making groups, and methods to mediate group conflicts. Prerequisite LST201.

**LST 335 Song and the Community** (3 hrs.) Have you ever lifted your voice in song? Are you drawn to the notion of peace, justice, and equality for all people of the world? Do you believe in the power of grass-roots efforts to transform communities? LST 335 is a crossroads where communal song will be used to build bridges across divides of ethnicity, race, gender, religion, social class, sexual orientation, and age. As we explore ideas of identity and community, we will employ the tradition of shared song as a tool to unite people of diverse backgrounds upon a common ground of song. Through song, we will extend our sense of common ground by sharing cultural codes of songs from folk traditions around the world. In this course, we will learn the art of "lifting a song" in small groups and large gatherings. We

will study historical examples of song lifting as practiced among members of the Labor Movement, participants of the Civil Rights Movement, and the Folk Movement of the 1960s and 70s. We will analyze the work of song leaders like Pete Seeger, Odetta, Bernice Johnson Reagon, and Ysaye M. Barnwell and learn the songs that played pivotal roles in their work building communities and addressing issues of social, economic, political, and environmental consequence. Like these song leaders, we will develop the skills to build coalitions through shared singing and to promote unity and solidarity for specific, relevant issues. This course will be experiential: students will read music, compose song lyrics, sing, play instruments, and lead singing. The ability to read music is required. Also there is a strong service-learning component to this course as students will lead in the making of music with various groups and organizations locally.

**LST 380 College Tutoring III** (2 hrs.) This course is designed to teach tutors about the issues typically encountered in peer tutoring. Students in this course design and carry out an independent project that addresses a student success support need identified by each student with assistance from the course instructor. Students in this course provide tutoring for a lower-level course and review information learned in the previous tutoring courses. Prerequisite: Open to students who have successfully completed LST 280.

**LST 399 Leadership Internship** (3 hrs.) This course will allow the upper-level Organizational Leadership minor to complete an internship in Organizational Leadership. The student will utilize the Organizational Leadership coordinator/director and LST 301 instructor (who may at times be different people) as resource persons in completing the course. The final grade for the course will be assigned by the LST minor coordinator or a designate mutually arranged by the LST minor coordinator and the student. The student will work through assignment in the internship with the minor coordinator, or the faculty member who oversees the special project, and the internship coordinator. The internship may include private and public sector opportunities, which include for-profit and non-profit organizations. The minor coordinator, the internship coordinator and the student will decide jointly how the internship will broadly configure to the LST minor program. Hence, the minor coordinator or his/her/their designate will be responsible for assigning the final grade for the internship.

**LST 410 Advanced Topics in Leadership** (3 hrs.) Students will examine issues in selected topic areas of leadership at an advanced level. Selected topic areas may include change leadership, leadership agility, and political leadership. Prerequisite LST201.

## MAT - Mathematics

**MAT 110 Quantitative Reasoning for Mathematical Problem Solving** (3 hrs.) This course emphasizes basic mathematical principles through problem solving. The focus is on solving problems encountered in typical college courses such as interpreting graphs, applying formulas, computing interest and percentages, understanding statistical output, and solving equations. The quantitative reasoning approach builds critical thinking skills in solving problems and analyzing the outcomes of those contextually. This course is designed for those students who will broadly use mathematics in everyday life, with less technical emphasis on skills for future math courses. This course is for those who do not intend to major in programs requiring additional mathematics. Offered every semester. Prerequisites: None

**MAT 111 College Algebra** (3 hrs.) The study of linear, quadratic, exponential and logarithmic equations, inequalities, functions and graphs and their applications. Prerequisites: ACT math score between 19 and 23 or SAT math score between 410 and 530 or Accuplacer Advanced Algebra and Functions score of 241 and at least 2 years of high school algebra with at least C's. Not meeting prerequisite requires the student to successfully complete MAT 110 as the Foundational Mathematics requirement. Offered every semester, one or more sections depending on demand.

**MAT 114 Elementary Statistics** (3 hrs.) A study of the organization and analysis of data including the normal, binomial, chi square and t distributions; estimating population parameters; hypothesis testing; random sampling; central limit theorem; and simple linear regression and correlation. A term project using technology for analysis and testing of data collected from real life is a required component of the course. Prerequisites: ACT math score 23 or SAT math score 540 and 4 years of high school math, including 2 years of algebra with at least B's. Not having prerequisite requires the student to successfully complete MAT 110 Quantitative Reasoning for Mathematical Problem Solving or MAT 111 College Algebra with a grade of C- or better. Offered every semester.

**MAT 115 Fundamentals of Data Science** (3 hrs.) The focus of this course is to introduce the scientific methods and processes used to analyze large data sets and predictive modeling methods. The course will use statistical methods and exploration techniques to investigate patterns and anomalies in mostly structured large data sets. Underlying theories of statistics will be utilized to explore, interpret, and visualize data in interdisciplinary fields such as health, business, education, and economics. An introduction to R programming language and R Studio will be used throughout the course. Pre-requisites: Evidence of college level statistics course with a grade of C- or better, a math ACT of 25 or higher, a math SAT score of 610 or higher, or AP stats with a score of "4" or higher. Offered spring semester.

**MAT 121 Pre-Calculus** (3 hrs.) The study of trigonometric, exponential, logarithmic and algebraic functions and their applications. Pre-Calculus is a course for students who plan to take Calculus I. Prerequisites: ACT math score 22 or SAT math score 540 and at least 4 years of high school math, including 2 years of algebra with at least B's. Not meeting prerequisite requires the student successfully complete MAT 111 with a grade of C- or better. Offered every semester or depending upon demand.

**MAT 122 Business Calculus** (3 hrs.) A terminal calculus course, including a brief review of algebra and the study of the derivatives and integrals of algebraic, exponential and logarithmic functions. Business applications of the derivative and the definite integral are also studied. Prerequisites: ACT math score 23 or SAT math score 540 and at least 4 years of high school math, including 2 years of algebra



and some pre-calculus with at least B's. Students not meeting these prerequisites requires the students to successfully complete MAT 111 with a grade of C- or better. Offered every semester or depending upon demand.

**MAT 124 Calculus I** (5 hrs.) A formal introduction to calculus, including limits, derivatives, techniques of differentiation, optimization, anti-derivatives, definite integrals, and the fundamental theorem of calculus. Applications in science and engineering are included. Prerequisites: ACT math score of 25 (27 preferred) or SAT math score of 600 (630 preferred) and at least 4 years of high school math, including a pre-calculus or trigonometry course with a grade of at least B. Not having prerequisite requires the student to successfully complete MAT 121, Pre-calculus with a grade of C- or better. Offered every semester.

NOTE: A course *leading to the fulfillment* of the Breakthrough math requirement (MAT 114 **or** MAT 124) must be taken in the first year (MAT 090 Intermediate Algebra, MAT 111 College Algebra, MAT 114 Elementary Statistics, MAT 121 Pre-Calculus, or MAT 124 Calculus I).

**MAT 214 Calculus II** (4 hrs.) A continuation of MAT 124. This course includes integration of standard forms (integration by parts, trigonometric substitution, etc.), the definite integral, applications of integration and the study of sequences and series. Prerequisites: Completion of MAT 124 with a C- or better, or permission of the instructor. Offered every semester or depending upon demand.

**MAT 215 Linear Algebra** (3 hrs.) An introduction to the concepts of linear transformations and matrices, determinants, vector spaces, eigenvalues, and selected applications. Prerequisites: Completion of MAT 124 with a C- or better. Offered every fall semester.

**MAT 224 Calculus III** (4 hrs.) A continuation of MAT 214. This course includes solid analytic geometry, an introduction to vector analysis and differential geometry, partial differentiation and multiple integration. Prerequisites: Completion of MAT 214 with a C- or better. Offered every semester or depending upon demand.

**MAT 231 Mathematics for Elementary & Middle School Teachers** (3 hrs.) This is the first part of a two-part integrated methods and content course for elementary teachers. This part focuses on the "why" along with the "how" of such topics as problem solving, deductive and inductive reasoning, beginning number concepts, operations with whole numbers, elementary number theory and other appropriate topics such as learning theory and assessment. Prerequisites: Completion of the Tier I mathematics or Foundational math requirement in Breakthrough requirement with a C- or better. Offered every fall semester.

**MAT 305 Heart of Mathematics** (3 hrs.) A semester-long discussion of the big ideas of mathematics in cultural and applications contexts. Evolution of mathematical ideas in art, the sciences, computing, literature and other disciplines. An introduction to mathematical thinking and problem-solving in many contexts. Prerequisites: MAT 214 with a C- or better, or permission of instructor. Offered in the spring semester of even years.

**MAT 310 History of Mathematics** (3 hrs.) This course is taught from the viewpoint that mathematics has been a major cultural force in many civilizations. The course will trace the evolution of mathematics and its impact on the human endeavor as civilizations rose and fell throughout history to modern times. Prerequisites: Completion of MAT 124 with a C- or better. Offered in the fall semester of odd years.

**MAT 312 Differential Equations** (3 hrs.) A study of ordinary differential equations (ODEs). This course is focused on the analytical, geometrical, and numerical aspects of differential equations. First and second order ODEs are studied using various analytical techniques. The Laplace transform is utilized to solve initial value problems of higher-order ODEs. Particular attention is paid to systems of ODEs using phase portraits and numerical analyses. Offered spring semester of odd years. Prerequisites: Completion of CSC 104 and MAT 224 with a C- or better, or by permission of instructor.

**MAT 313 Mathematical Probability and Statistics** (3 hrs.) This course introduces the student to the mathematics of probability and statistics. The concepts of discrete and continuous probability distributions are studied in detail. The material is applied to the areas of statistical inference, including estimation and hypothesis testing. Offered every spring semester. Prerequisites: Completion of MAT 214 with a C- or better or concurrent enrollment in MAT 214.

**MAT 314 Higher Geometry** (3 hrs.) A study of various geometric axiomatic systems from both the synthetic and analytic approach, including finite and non-Euclidean geometries. Offered every fall semester or depending upon demand. Prerequisites: Completion of MAT 331 with a C- or better.

**MAT 321 Discrete Mathematics and Graph Theory** (3 hrs.) This course provides an introduction to an area of mathematics focusing on discrete rather than continuous mathematical structures. Topics explored in this course include number theory, functions and sequences, graph theory, combinatorics, and set theory. Basic definitions and concepts of the field as well as some major results in the area will be discussed. This course prepares students for further study in mathematics, business, or computer-related fields. Pre-requisite: MAT 214 with a grade of C- or better. Offered in even fall semesters.

**MAT 331 Mathematics Seminar** (3 hrs.) A study of the foundations of mathematics, logical deductive reasoning and proof. Emphasis is on sets and number theory. This course prepares the mathematics major for success in other 300- and 400-level mathematics courses. Prerequisites: Completion of CSC 104 with a C- or better; and MAT 224 with a C- or better or permission of the instructor. Offered every spring semester.

**MAT 340 Statistical Computer in R Studio** (3 hrs.) A projects-based introduction to R and R Studio with applications in relevant fields. The focus of this course is to work with pre-processed data and flat files, access and format large data from the web, analyze data by methods such as conditional means, regression analysis, and cross-validation techniques, with the focus on statistically analyzing and presenting the data.

**MAT 351 Methods of Teaching Elementary & Middle School Mathematics** (3 hrs.) This course is the second part of an integrated methods and content course for elementary teachers. Topics include fractions, decimals, geometry, probability and statistics, measurement and other appropriate topics. Offered every spring semester. Prerequisites: C- or better in MAT 231 or permission of the instructor.

**MAT 398 Independent Study** (1-4 hrs.) Individual study and/or research under the supervision of staff members on a particular topic agreed upon by both the student and the instructor. Enrollment by permission of the instructor and department chair.

**MAT 411 Data Science Seminar** (3 hrs.) This is a capstone course for majors. Each individual in the class carries out research under the supervision of the instructor in large-scale data analysis using statistical knowledge and computational techniques learned in previous courses. Literature review, regular meetings, progress reports, and a final paper and presentation are required. Topics may be chosen from interdisciplinary fields including, but not limited to, computer science, biology, psychology, engineering, and business. Offered every other spring semester. Prerequisites: MAT 340, ECN 355, and CSC 211 with a grade of C- or better.

**MAT 422 Modern Algebra** (3 hrs.) A study of the axiomatic development of algebraic structures, including groups, rings, and fields, with selected introductions to topics which may include symmetry groups, factorization, and integral domains. Offered every spring semester. Prerequisites: Completion of CSC 104 and MAT 331 with a C- or better.

**MAT 424 Advanced Calculus** (3 hrs.) This course is a rigorous study of the foundations of Calculus with emphasis on limits, continuity, differentiation, and Riemann integration. Through the reexamination of those topics, students learn proof techniques which are fundamental to the mathematical field of analysis. Prerequisites: Completion of CSC 104, MAT 331, and MAT 224 with grades of C- or better. Offered every fall semester.

## MSC - Military Science

**MSC 101 Fundamentals of Leadership and Management** (1 hr.) An introduction to Army ROTC leadership qualities and responsibilities. Emphasis on development of individual skills through committee-taught, performance-oriented leadership development subjects. Instruction is centered around marksmanship, adventure education and self-development techniques.

**MSC 102 Military Skills** (1 hr.) An introduction to the use of the basic military skill of map reading and land navigation.

**MSC 201 Advanced Individual Leadership Subjects** (2 hrs.) An introduction to self-development/human relations and assertiveness techniques and practical application of these skills in leadership roles. Focus is on development through the application of interpersonal communications techniques, practical work with role play exercises, and learning through involvement. Prerequisite: Consent of instructor.

**MSC 202 Introduction to Tactics and Operations** (2 hrs.) A study of the fundamentals of small unit tactics and the application of leadership to changing situations. Prerequisite: Consent of instructor.

**MSC 301 Leadership and Management I** (3 hrs.) Develops principles and techniques of leadership and management. Course provides an introduction and practical application in first aid, nuclear-biological-chemical (NBC) operations, tactical communication and an introduction to infantry weapons. Prerequisite: MSC 101, 102, 201, 202, or their equivalent and instructor consent is required.

**MSC 302 Advanced Tactics** (3 hrs.) Development of intermediate techniques of leadership and management, tactical operations exercises, introduction to wire and radio communications, NBC operations, infantry weapons systems and the psychology of leadership. Prerequisite: MSC 101, 102, 201, 202, or their equivalent and approval of the Professor of Military Science.

**MSC 401 Leadership and Management II** (3 hrs.) Develop proficiency in leadership and management skills with emphasis on duties and obligations of an officer. Introduces students to basic concepts of military law and develops an understanding of training management. Prerequisite: MSC 301 and 302 or approval of the Professor of Military Science.

**MSC 402 Fundamentals and Dynamics of the Military Team** (3 hrs.) Develop proficiency in using tactical management skills with emphasis on the role of Army staffs, staff estimates and plans, command and control, decision making, platoon operations, and a practicum with Army ROTC Management Simulation Programs. Prerequisite: MSC 301 and 302 or approval of the Professor of Military Science.

\*Additional courses and leadership labs may be completed at the Lincoln University campus through the MMACU consortium. Please contact the ROTC instructor at Westminster College for additional course information.

## MUS - Music

**MUS LB5 Churchill Singers** (2 hrs.) The Churchill Singers uphold the mission of Westminster College and collectively embody the principles practiced by Churchill the statesman. Through choral singing the Churchill Singers consider issues of social, spiritual, and global significance and address these issues artistically, intellectually, and practically. Members of the Churchill Singers are not only recognized for their musical abilities but also for their campus and community leadership and the ways in which they personify the College values of integrity, fairness, respect, and responsibility. Membership in Churchill Singers is by audition only. Auditions are held at the end of every spring semester. If openings arise, auditions for specific voice parts will occur in December for the following spring semester.

**MUS 101 Applied Music Instruction-Beginner** (1 hr.) Designed for the beginning student in voice, piano, instrumental or guitar. Students will develop basic music reading skills and achieve a fundamental understanding of musical analysis, interpretation, and performance. Separate fee required. Offered fall and spring semesters.

**MUS 105 Fundamentals of Music** (3 hrs.) An introductory course in the fundamentals of music theory. Basic music theory principals from music symbols to simple analysis of melodic and harmonic material are introduced. Offered fall semester of a two-year rotation.

**MUS 106 Theories and Practices of Musical Expression and Performance** (3 hrs.) Musical performances entail far more than the accurate realization of a composer's notations. For a performance to reflect the intent of the composer and also communicate the sentiments of the performer, that performer must investigate the context within which the piece originated and make informed decisions regarding musical expression and interpretation. In this course, student musicians will learn a methodology that suggests appropriate steps toward musical interpretation and historical investigation of a composition; together, this interpretative and investigative methodology will suggest approaches for creating more expressive musical performances. At various significant junctures throughout the course, students will present "Inform-ances" (performances accompanied by appropriate musical information) to each other and the College community.

**MUS 201 Applied Music Instruction-Intermediate** (1 hr.) Private lessons for the intermediate piano, voice, instrumental and guitar student. Intermediate students already possess a fundamental ability to read and interpret music. Applied instruction is devoted to developing musical independence in preparation, analysis, and interpretation of various styles of music while continued emphasis on technique is addressed. Offered fall and spring semesters. Separate fee required.

**MUS 205 Music in the Western World** (3 hrs.) Investigation of the development of music and musical style from antiquity to the present day. Designed to build familiarity with major style trends in the history of music through an exploration of selected works and personalities as well as how such trends interact with and effect western culture. Offered fall and spring semesters.

**MUS 208 Music Theory II** (3 hrs.) In-depth analysis of Common Practice Period Music. Emphasis on the study of harmony will build upon skills learned in MUS 105. Prerequisites: MUS 105 or consent of instructor. Offered in spring semesters in rotation with other 300-level music courses.

**MUS 301 Applied Music Instruction-Advanced** (2 hrs.) Private lessons for the advanced piano, voice, instrumental, and guitar student. Applied instruction is dedicated to the synthesis of technique, analysis, interpretation, and critical judgment as students prepare for cumulative performance assessments. Separate fee required. Offered Fall and Spring semesters.

**MUS 303 Music History and Literature I** (3 hrs.) An in-depth study of music history and literature from the medieval period through the Baroque. Offered in the fall semester in rotation with other required courses.

**MUS 304 Music History and Literature II** (3 hrs.) An in-depth study of music history and literature from the Baroque period through the present. Offered in spring semesters in rotation with required courses.

**MUS 312 Music of Resistance, Revolution & Liberation** (3 hrs.) The role of popular song and its impact upon social and political change at home and abroad - from the American Labour Movement Wobblies to the Singing Revolution in Estonia, and from Civil Rights freedom songs to Apartheid protest songs in South Africa, we will explore how music has united people, raised awareness of controversial issues, and effected change in society and politics. In order to personally understand and experience one way in which music has functioned politically and socially, we will begin learning broadside ballads and ultimately writing our own broadside to share with members of our campus community. Also, by maintaining a course blog, we will not only share our understandings and opinions regarding course topics, but we will also strengthen research skills and familiarize ourselves with valuable sources for information. The concluding weeks of the semester will spotlight contemporary manifestations of music resistance, revolution, and liberation – in particular, expressions found around the world. The semester will culminate with presentations about these contemporary expressions that are open to the campus community. This course seeks "to integrate disciplinary knowledge and to explore its relevance to contemporary issues and problems." This course seeks to demonstrate the intersection of communal music with social and political movements. Prerequisite: MUS 105 or MUS 205.

**MUS/LST 335 Song and the Community** (3 hrs.) Have you ever lifted your voice in song? Are you drawn to the notion of peace, justice, and equality for all people of the world? Do you believe in the power of grass-roots efforts to transform communities? MUS 335 is a crossroads where communal song will be used to build bridges across divides of ethnicity, race, gender, religion, social class, sexual orientation, and age. As we explore ideas of identity and community, we will employ the tradition of shared song as a tool to unite people of diverse backgrounds upon a common ground of song. Through song, we will extend our sense of common ground by sharing cultural codes of songs from folk traditions around the world. In this course, we will learn the art of “lifting a song” in small groups and large gatherings. We will study historical examples of song lifting as practiced among members of the Labor Movement, participants of the Civil Rights Movement, and the Folk Movement of the 1960s and 70s. We will analyze the work of song leaders like Pete Seeger, Odetta, Bernice Johnson Reagon, and Ysaye M. Barnwell and learn the songs that played pivotal roles in their work building communities and addressing issues of social, economic, political, and environmental consequence. Like these song leaders, we will develop the skills to build coalitions through shared singing and to promote unity and solidarity for specific, relevant issues. This course will be experiential: students will read music, compose song lyrics, sing, play instruments, and lead singing. The ability to read music is required. Also there is a strong service-learning component to this course as students will lead in the making of music with various groups and organizations locally.

## NSC - Natural Science

**NSC 108 Introduction to Biology Principles** (4 hrs.) This survey course for non-majors is an introduction to the major areas of study in the biological sciences. Emphasis is placed on the general functions of prokaryotic and eukaryotic cells, and various plant and animal systems. Ecological relationships between the organisms and their environment are also investigated. The laboratory elaborates on the general principles and concepts introduced in lecture. Function and interrelationships are the themes. This course is typically offered one or two times each academic year. NSC 108 will satisfy the Scientific Inquiry (lab) Context in Tier II of New Foundations and the Natural Science Inquiry Theme of Breakthrough general education programs. (Previously offered as BIO 108)

**NSC 112 Birds, Bugs, and Behavior/Lab** (4 hrs.) In this course we use the fascinating study of organisms and their interactions (organismal biology) to better understand the nature of science. Put another way, we will use interesting phenomena and fascinating topics from bird brains to bug behavior to highlight how science works and why it matters. Are 8-foot millipedes real? Giant thunderbirds? How do we evaluate such claims? How can behavior ranging from selfishness to selflessness lead to cannibalism and eusocial “superorganisms”? When does being ‘social’ lead to being in a ‘society’? And what the flock is the difference between a murmuration and a murder of crows? This course also has a corresponding lab where we will use case studies, outdoor observations, and hands-on problem-solving activities to further enhance scientific literacy skills (critical thinking, interpreting data, evaluating evidence). This lecture and lab course is intended for non-majors and fulfills a Breakthrough General Education requirement in the Natural Science Inquiry Theme.

**NSC 210 Anatomy and Physiology I** (4 hrs.) This class is designed for non-majors who are interested in biological principles as they relate to anatomy and physiology. The overall goal of the course is to promote critical thinking and science literacy by enabling you to make connections and understand applications of anatomy and physiology. Topics will introduce you to homeostasis, histology, bones, muscles, nerves, and senses. This is the first class in a two-course series to be followed by Anatomy & Physiology II for those pursuing non-healthcare careers that require both A&P I and A&P II. Successful completion of A&P I satisfies the Natural Science Inquiry Breakthrough theme. Pre-requisites: None

**NSC 220 Anatomy and Physiology II** (4 hrs.) This class is designed for non-majors who are interested in biological principles as they relate to anatomy and physiology. The overall goal of the course is to promote critical thinking and science literacy by enabling you to make connections and understand applications of anatomy and physiology. Topics will introduce you to metabolism, cardiovascular system, reproduction, endocrine system, digestion, immunity, and urinary system. This is the second class in a two-course series to be preceded by Anatomy & Physiology I for those pursuing non-healthcare careers that require both A&P I and A&P II. Prerequisites: Successful completion of NSC 210 or instructor approval.

**NSC 301 Biotechnology & Society** (3 hrs.) The use of biotechnology in society is not new. However, with new innovation and knowledge, use of biotechnology has more recently been brought to the forefront of media speculation. This course will introduce students to the vast number of biotechnologies used in our society, today as well as in the past. We will discuss past, present and potential future effects on society regarding use of this technology. We will visit scientific concepts which has led to the design/development of each biotechnology, and we will analyze the effect on society from an economic, social, cultural, and ethical point of view. Prerequisites: BIO 107, NSC 108, PSY 112, PSY 113, or SOC 111.

**NSC 305 Survey of the History of Science** (3 hrs.) An introduction to the leading concepts and methodologies of science from the ancient Greeks through the mid-nineteenth century. Prerequisites: a course in natural science, philosophy, or history, or permission of the instructor.

## NSI - Natural Science, Interdisciplinary

**NSI 4xx Advanced Projects** (3 hrs.) Special interdisciplinary courses in the humanities, natural science and mathematics, or social sciences, respectively, are offered under this listing. These courses may not be counted towards meeting major requirements in any major subject, but they may, at the major department’s discretion, be applied to collateral requirements for a major. See the Schedule of Classes for topics and Prerequisites. May be repeated for credit with change of topic.



# PED - Physical Education

**PED A9 Racquet Sports** (1 hr.) Students will learn the skills, rules, terms, scoring, and etiquette involved in a variety of racquet sports. Badminton, paddleball, racquetball, and table tennis included.

**PED A10 Weight Training & Body Building** (1 hr.) In this course the student will learn proper weight training techniques for a lifetime goal of health and wellness.

**PED A12 Walking and Jogging for Fitness** (1 hr.) This activity class is designed to provide students an understanding and working knowledge of the role of walking and jogging as a fitness alternative and health aid.

**PED A13 Restrictive/Adaptive PE** (1 hr.) Students with special needs will develop and practice a physical education and activity program that is individualized to their specific needs.

**PED A15 Yoga** (1 hr.) Students will learn some basic poses of Hatha Yoga for relieving stress, increasing flexibility, improving posture and breathing, and increasing strength. This is an introductory course, although students with previous yoga experience will also benefit.

**PED A19 Golf Instruction (Fee)** (1 hr.) Students will learn proper golf techniques, which will provide a foundation for a lifetime enjoyment of the sport. Course fee required.

**PED A22 Physical Fitness Concepts** (1 hr.) Student's baseline fitness values are assessed, fitness principles are learned, and training and behavioral strategies are developed through in-class activities. Physical Education Majors will take this course concurrently with Wellness Concepts (HES 132) to meet state requirements for 2 hrs. of health-related fitness and wellness. Majors cannot use this course for Activity Competency in Physical Fitness too.

**PED A37 Tennis** (1 hr.) This course will provide students with the opportunity to review basic tennis skills through participation in drills, actual game play and mini tournaments. Individual stroke analysis will also be given. For students that have the basics down, higher level instruction on singles and doubles.

**PED A44 Recreational Games I: Team Sports** (1 hr.) Students learn fundamental skills and techniques of basketball, field hockey, soccer, softball and volleyball. Course emphasis is on demonstration in teaching/coaching situations.

**PED A45 Recreational Games II: Individual Sports** (1 hr.) Students learn fundamental techniques and skills for individual sports with emphasis on demonstration for teaching and coaching.

**PED A53 Bowling** (1 hr.) In this course the students will learn the rules of the game, including score keeping, the foul line, and the equipment restrictions, will learn the basic motor skills necessary to bowl, and learn the basic bowling etiquette. Course fee required.

**PED 208 Creative Movement and Rhythms** (3 hrs.) An introduction to the elements of creative movement and dance. Through a variety of learning experiences, students will examine movement forms as more than just physical activity, but as a means of self-expression and a vital aspect of culture. This course will give students practice in designing movement-learning experiences for persons of all ages. Offered in fall semester.

**PED 311 Coaching Theory of Football** (2 hrs.) The analysis of football strategies and coaching techniques applied with variation. Prerequisites: knowledge and skill in the sport.

**PED 312 Coaching Theory of Soccer** (2 hrs.) The analysis of soccer strategies and coaching techniques applied with variation. Prerequisites: knowledge and skill in the sport.

**PED 313 Coaching Theory of Baseball** (2 hrs.) The analysis of baseball strategies and coaching techniques applied with variation. Prerequisites: knowledge and skill in the sport.

**PED 314 Coaching Theory of Basketball** (2 hrs.) The analysis of basketball strategies and coaching techniques applied with variation. Offered in fall semesters of odd numbered years. Prerequisites: knowledge and skill in the sport.

**PED 317 Coaching Theory of Volleyball** (2 hrs.) The analysis of volleyball strategies and coaching techniques applied with variation. Offered fall semesters of even numbered years. Prerequisites: knowledge and skill in the sport.

**PED 318 Coaching Theory of Softball** (2 hrs.) The analysis of softball strategies and coaching techniques applied with variation. Offered in spring semester of odd numbered years. Prerequisites: knowledge and skill in the sport.

**PED 319 Coaching Theory of Tennis** (2 hrs.) The analysis of tennis strategies and coaching techniques applied with variation. Offered in spring semester of even numbered years. Prerequisites: knowledge and skill in the sport.

**PED 331 Sports Officiating: Football** (1 hr.) Designed for the development of expertise in officiating. Certification optional to student. Laboratory required.

**PED 332 Sports Officiating: Soccer** (1 hr.) Designed for the development of expertise in officiating. Certification optional to student. Laboratory required.

**PED 333 Sports Officiating: Baseball** (1 hr.) Designed for the development of expertise in officiating. Certification optional to student. Laboratory required.

**PED 334 Sports Officiating: Basketball** (1 hr.) Designed for the development of expertise in officiating. Certification optional to student. Laboratory required.

**PED 337 Sports Officiating: Volleyball** (1 hr.) Designed for the development of expertise in officiating. Certification optional to student. Laboratory required.

**PED 338 Sports Officiating: Softball** (1 hr.) Designed for the development of expertise in officiating. Certification optional to student. Laboratory required.

**PED 434 Methods of Teaching Middle School and Secondary Physical Education** (3 hrs.) This course is designed for students planning to teach middle school and secondary physical education programs. Topics include program development, selecting and implementing instructional units, class organization and management, assessment, integrating physical education with other disciplines, and professional development. Prerequisite: EDU 290.

## PHL - Philosophy

**PHL 101 Introduction to Philosophy Through Film** (3 hrs.) This course utilizes films and media to help explore the major areas of philosophy relating to who and what we are and how we should live our lives. More specifically, it explores questions relating to the belief in God; knowledge of the world; the relationship between minds, bodies, and persons; freedom and responsibility; and ethics and morality. Offered each semester

**PHL/REL 102 World Religions** (3 hrs.) One of the most pressing problems of the 21st century is religious pluralism: We live in a world, in a nation, and in an academic community that is religiously diverse. How will we relate to persons who are different from one another and from us in terms of religious orientation? Will we choose to relate in ways that are healthy or ways that are harmful? For unless we know what persons of faith believe and value and do, we cannot relate in positive ways to them. This course will strive to understand a number of the varied religious traditions of the world in a way that is fair, open-minded, objective, and kind. "Agreeing" with the various religions we will be studying is not required; however, "understanding" them is. Typically offered every semester.

**PHL 120 History of Philosophy** (3 hrs.) This course explores the history of western philosophy with an emphasis on the ancient, medieval and modern philosophical eras. Pursued chronologically, most attention is given to central figures such as Socrates, Plato, Aristotle, Aquinas, Descartes, Locke, Hume and Kant though a broader range will be investigated with an emphasis on their views relating to ethics, political theory, and metaphysics/epistemology (relating to the nature of reality and how we come to know such). The course also focuses on applying historical philosophical thought to our contemporary world.

**PHL 212 Introduction to Ethics** (3 hrs.) An introductory survey that begins with a brief introduction of ethical theory before moving on to explore specific applied ethical issues such as the following: abortion, euthanasia, sexual morality, human cloning, animal rights, war and terrorism, and distributive justice. The focus of the course is developing critical ethical reasoning that enables deeper normative insights in to how we should live our lives. Offered each spring.

**PHL 218 Introduction to Logic** (3 hrs.) Drawing from a broad spectrum of controversial issues, this course is a systematic introduction to techniques for constructing, analyzing, and evaluating arguments using ordinary language instead of formal systems of inference. Offered every other spring.

**PHL 242 Biomedical Ethics** (3 hrs.) The course begins with a brief introduction to ethical theories and to major moral principles used in analyzing problems in biomedical ethics. Theories and principles are then applied to a sampling of biomedical cases such as the following: severely impaired newborns and their parents' right to refuse treatment for them; the justification for genetic manipulation and screening; physician-assisted suicide; doctor-patient confidentiality and informed consent; the use of fetal-cell tissues; living wills and their relationship to personal identity. The readings include analyses by physicians, jurists, and philosophers of the ethical and philosophical questions raised by the cases and issues considered.

**PHL 244 Business Ethics** (3 hrs.) A study of moral problems arising in business and industry: consumer rights, property rights and employee rights; the obligations of employees, owners and managers, governmental regulation and economic justice.

**PHL 246 Environmental Ethics** (3 hrs.) An examination of ethical issues arising from our use of natural resources, animate and inanimate, and different ethical perspectives regarding our relationship to the rest of the natural world (both now and in context of future generations). Most of the course is devoted to examining contemporary environmental issues (pollution, global warming, preservation of species, etc.) using traditional ethical theories, biocentric and ecocentric ethics, deep ecology, and concepts from economics and policy analysis. Offered every other spring semester.

**PHL 302 The Meaning of Life** (3 hrs.) What is the meaning of life? Most of us have asked this question of ourselves and perhaps of other people we respected. For, in addition to understanding the world in which we live, we want to make sense of how to make our own lives as meaningful as possible to know not only why we're living, but that we're living our lives with intention, purpose, and commitment. Through interesting and pertinent books, writing selections, films, and a community service/experiential learning project, this course will address this profound, abstract, and personal question. Prerequisite: One PHL or REL course, or permission of the instructors.

**PHL 320 Philosophy & Literature** (3 hrs.) This course examines philosophy, and particularly existentialist philosophy, through literature. We will focus on existentialist themes involving life's meaning, authenticity, freedom/responsibility, and identity as exemplified by the works of Dostoevsky, Kierkegaard, Nietzsche, Ortega, Heidegger, Sartre, de Beauvoir, and Camus. We will pursue these topics both through primary and secondary philosophical essays, and also through the literary works of such writers as Camus, Kundera, Barth, Crumey, and Hesse. Prerequisites: Any one of the following PHL 101, 212, 221, 222, 242, 244, 246; ENG 204, 205, 206, 238, 239, 248, 249; CLA 215; FRE 280; GER 204; LAT 204.

**PHL 324 Genetic Manipulation** (3 hrs.) This seminar provides an interdisciplinary examination of practices and policies relating to actual or imagined genetic manipulation of human beings and other life forms. We will discuss the history and practice of eugenics, the attempt to create "better" offspring, and its relationship to potential genetic technology. In part drawing from a Rawlsian framework we will discuss issues such as human cloning, genetic screening, and genetic manipulations of humans in light of principles such as justice, fairness, discrimination and other values such as the sanctity of life. We will also consider broader genetic manipulation of plants and animals and resulting ethical controversies from broadly scientific, ecological, philosophical and religious perspectives. Prerequisite: Any ONE of the following: Bio 114/115, BIO 328 BIO 124/125, BIO 100 General Biology I, PHL 101, 212, 221, 222, 242, 244, 246, or REL 101, 102.

**PHL 333 Asian Philosophy and Religion** (3 hrs.) The purpose of this course is to provide a detailed overview of the key thinkers and issues of the four major traditions of Eastern Philosophy: Indian, Chinese, Japanese, and Islamic. A variety of primary and secondary source readings are used to elucidate issues in metaphysics (including philosophy of religion), epistemology, ethics, political philosophy, and aesthetics. Prerequisite: Any ASN, PHL or REL course.

**PHL/REL 342 Philosophy, Religion, and Science** (3 hrs.) The common perception today is that, for centuries, science and religion have stood in conflict with each other –e.g. as demonstrated by conflicting perspectives between Charles Darwin and the Bible concerning the theory of evolution. Philosophy itself was foundational to scientific inquiry, though its approach differs from both science and religion and can also be seen by some as adversarial to each. This course explores three themes--cosmology and creation, evolution and providence, and genetics and human nature—from the vantage points of philosophy, religion, and science with the goal of presenting a fresh conversation between these fields which does not reduce to adversarial positions. Prerequisite: One course in philosophy or religious studies or one course in the natural sciences, or permission of the instructor.

**PHL 398 Independent Study** (1-4 hrs.) This course permits advanced study of topics not covered in regularly offered courses on a research-tutorial basis. The topic is defined by the student in conference with the instructor. Prerequisite: two previous courses in philosophy, a major or minor in philosophy, and permission of instructor.

**PHL 410 Major Areas of Philosophy** (3 hrs.) An intensive study of a major area of philosophy such as philosophy of religion, Eastern philosophy, ethics, metaphysics, epistemology, or philosophy of mind. May be repeated for credit with change of topic. Prerequisite varies depending on course.

**PHL 420 Major Philosophers** (3 hrs.) An intensive study of the thought of a single major philosopher such as Plato, Aristotle, Hume, or Kant. May be repeated for credit with change of topic. Prerequisite varies depending on course.

**PHL 430 Philosophical Problems** (3 hrs.) An intensive study of a relatively specific philosophical problem such as evolution vs. Intelligent Designer Theory, genetic manipulation (relating to human cloning/ eugenics), the mind-body problem, animal rights, philosophy of death and dying. May be repeated for credit with change of topic. Prerequisite varies depending on course.

## PHY - Physics



**PHY/EGR 101 Introduction to Engineering and Design** (3 hrs.) This course introduces students to the engineering profession. Emphasis is placed on engineering design, project management skills, software applications, teamwork, and communication. An engineering term project including a written technical report is required for this course. Offered every spring semester.

**PHY 105 Introduction to Physics** (3 hrs.) An introductory study of the foundations and concepts of modern physical theory. The course stresses the historical significance and philosophic implications of classical mechanics, the special and general theories of relativity and quantum theory. This course is intended for non-science majors. However, students who plan to enroll in PHY 201, but who have not taken high school physics, are encouraged to take this course first. Not open to students with credit in PHY 201. This course is typically offered once per academic year in the spring semester. Prerequisites: MAT 111 or one year of high school algebra.

**PHY 201 Physics I** (4 hrs.) A study of the science of physics covering topics in mechanics, gravitation and rudimentary quantum physics. Lecture, three hours; laboratory, three hours. This course is offered once per academic year in the Fall semester. Prerequisites: PHY 105 or one year of high school physics and previous or concurrent enrollment in MAT 124 or one year of high school calculus.

**PHY 202 Algebra-Based Physics I** (4 hrs.) Algebra-based Physics I is an introductory physics course which covers the topics of Newtonian mechanics, conservation laws, and fluid statics and dynamics. The course includes a laboratory. Prerequisite: MAT 111 or one year of high school Algebra.

**PHY 212 Physics II** (4 hrs.) A continuation of Physics I covering topics in electromagnetism, electric circuits, waves, optics, atomic physics, nuclear physics and particle physics. Lecture three hours; laboratory three hours. This course is offered once per academic year in the spring semester. Prerequisites: Completion of PHY 201 with a C- or better.

**PHY 213 Algebra-Based Physics II** (4 hrs.) Algebra-based Physics II is a continuation of Algebra-based Physics I and covers the topics of oscillatory motion, waves, electricity and magnetism, optics, and selected topics in modern physics. This course includes a laboratory. Prerequisite: C- or better in Algebra-based Physics I.

**PHY 223 Physics III** (3 hrs.) A continuation of Physics II covering topics that require a command of calculus and more abstract concepts than those presented in PHY 201 or 212. The course is a study of selected topics in relativity, quantum mechanics and modern physics (including elementary particles). This course is typically offered once per academic year in the fall semester. Prerequisites: PHY 212 and previous or concurrent enrollment in MAT 214.

**PHY/EGR 230 Engineering Mechanics & Statics** (3 hrs.) Statics is the study of rigid-body mechanics which deals with the equilibrium of bodies. Covered topics include the principles of statics, force systems, internal forces, structural analysis, friction, center of gravity, and moments of inertia. Prerequisites: MAT 224 and PHY 201 with a C- or better.

**PHY 314 Thermodynamics** (4 hrs.) Study of the general laws of thermodynamics, the kinetic theory of gases and statistical mechanics. Lecture three hours; laboratory three hours. Prerequisites: PHY 223 and MAT 224.

**PHY 315 Modern Physics** (4 hrs.) The course covers applications of quantum theory and relativity theory to atoms, molecules and subatomic particles. Lecture three hours; laboratory three hours. Prerequisites: PHY 223 and MAT 224.

**PHY 324 Light** (4 hrs.) A study of topics in geometrical and physical optics and in spectroscopy, including an examination of optical instruments and light sources such as lasers. Lecture three hours; laboratory three hours. This course is typically offered every other academic year in the spring semester and alternates with PHY 325. Prerequisites: PHY 223.

**PHY 325 Electronics** (4 hrs.) The theory of semiconductor devices and applications of these devices in circuits. The course emphasizes electronic instrumentation and experimental technique. Lecture three hours; laboratory three hours. This course typically is offered every other academic year during the spring semester and alternates with PHY 324. Prerequisites: PHY 212.

**PHY 328 Analog Circuits** (4 hrs.) We will investigate the theory and experimental procedures of modern electronic analog circuits. There are two main classes of electronics: analog and digital. Analog circuits, covered this semester, deals with electrical signals that can have a continuous range of values, while digital circuits, covered during the second semester of the circuits sequence, involves digital signals that can have only a small number of discrete values. Prerequisites: PHY 212 and MAT 214.

**PHY 398 Independent Study** (1-4 hrs.) On topics from the major areas of physics, chosen according to the background, requirements, or interests of the individual student. Course work will consist of readings, problem solving, laboratory research, practicums, reports or conferences, as appropriate.

**PHY 415 Introduction to Theoretical Physics I** (4 hrs.) Vector analysis is developed as a working tool and applied to problems in mechanics and electromagnetic theory. The topics covered include statics, kinematics and dynamics of particles and rigid bodies, moments of inertia and inertia tensors, work and energy, gravitational theory, oscillations and electric and magnetic fields in vacuo and in material substances. Four lectures per week. This course is offered as needed. Prerequisites: PHY 223, MAT 224 and previous or concurrent enrollment in MAT 312.

**PHY 416 Introduction to Theoretical Physics II** (4 hrs.) Vector analysis is developed as a working tool and applied to problems in electromagnetic theory and quantum mechanics. The topics covered include Maxwell's equations and time-dependent fields, energy and forces associated with these fields, wave propagation and the postulates of quantum mechanics, wave functions, expectation values and the quantization of angular momentum in atoms. Four lectures per week. This course is offered as needed. Prerequisites: PHY 223, MAT 224 and previous or concurrent enrollment in MAT 312.

## POL - Political Science

**POL 112 Introduction to Political Science** (3 hrs.) An introductory study of political action, institutions and argument. Some current controversies in American politics will be considered, together with the experience of other countries where comparison is helpful.

**POL 211 American Government and Politics** (3 hrs.) An introduction to American government and politics through an examination of interactions between citizens and political institutions in the formation and the execution of public policies.

**POL 212 Introduction to International Relations** (3 hrs.) This course explores key issues in the international system including war, terrorism, human rights, and international law, international institutions like the United Nations, and theories of international relations.

**POL 301 The American Presidency** (3 hrs.) A study of the modern American presidency in terms of its concepts and controversies. Prerequisites: POL 211.

**POL 304 American Political Theory** (3 hrs.) Focuses on the political philosophies expressed in the Declaration of Independence and the U.S. Constitution. Considers the viability of these philosophies in the context of contemporary American society and politics. Prerequisites: POL 112 or 205, or permission of the instructor.

**POL 305 International Law and Organizations** (3 hrs.) An analysis of the nature, sources, function and development of international law and organizations with special reference to the role and function of the United Nations' system for resolving international disputes. Prerequisites: POL 212 or permission of the instructor.

**POL 306 West European Government and Politics** (3 hrs.) A study of the foundations, structures and functions of the governments of selected major European countries. Offered every other spring semester. Prerequisites: GTS 201, HIS 106, POL 112, POL 212, SEC 201, or permission of the instructor.

**POL 308 Post-Soviet Politics** (3 hrs.) An examination of the history of the Soviet political system since 1917; the influence of ideology; the role played by the Communist Party, the bureaucracy, interest groups and other actors; political culture, socialization and participation; current economic and social policy issues; and the future evolution of the system. Prerequisites: GTS 201 or HIST 106 or POL 112 or POL 212 or SEC 201 or permission of the instructor.

**POL 311 Political Parties, Voting and Campaign Strategies** (3 hrs.) Reviews the evolution and role of political parties and elections in the American political system. Examines the decline-of-parties thesis and recent developments in campaign strategy. This course is offered in the Fall semester of even-numbered years and students are required to participate in political campaigns of their choice. Prerequisites: POL 112 or 211.

**POL 314 American Constitutional Law and Politics** (3 hrs.) This course, (1) explores how the decisions of the U.S. Supreme Court have influenced the country's understanding of the Constitution, (2) considers the political forces that shaped the decisions, as well as the political effects of those decisions and (3) details the contours of the significant rights articulated in the decisions. Prerequisites: POL 211.

**POL 316 American Jurisprudence** (3 hrs.) This course, (1) introduces and critiques the major philosophies of law, (2) applies these philosophies to various issues and cases and (3) orients the student to legal reasoning and other legal methods of analysis and inquiry. This course should help prepare students for the study of law, or law-related topics. Prerequisites: POL 211.

**POL 324 Central Europe** (3 hrs.) This course will examine the unique problems of this region from an interdisciplinary perspective. Since the demise of the Cold War in 1989, and with it the collapse of the wall between eastern and western Europe, this region has become a crucible for a changing world order and a changing Europe. Analysis of a series of current themes from a political science and a historical perspective will form the backbone of the course. We will also look at the issues from both a regional and a national point of view. These topics will include: the reunification of Germany; the ethnic/nationality question; the legacy of communism; the rise of neo-fascism; diplomatic integration into NATO or the European Union; tensions over Ukraine. Prerequisites: HIS 110, GTS 201, or POL 212.

**POL 325 Middle East and North African Politics** (3 hrs.) An examination of political issues within and between the countries in the Middle East and North Africa. In this course, students will examine the role of religion in politics, the causes and consequences of military conflicts in the region, efforts to promote (and diminish) the rights of marginalized groups, and the wide diversity of political institutions that exist in the area. Prerequisites: GTS 201, SEC 201, POL 212, or permission of the instructor.

**POL 326 Environmental Politics and Policy** (3 hrs.) This course seeks to explore and understand four broad, interrelated topics: (1) the major political processes, actors, conditions and controversies involved in the formulation and implementation of environmental policies at

the local, national and international levels; (2) some of the major pieces of legislation that constitute environmental policy in the United States and the world community; (3) some of the techniques and approaches that policy analysts employ to assess the effectiveness and costs of environmental policies and (4) issues that will shape environmental politics and policies in the immediate future, such as population growth, global warming, habitat destruction and resource depletion. Offered every other fall semester. Prerequisites: POL 112 or POL 211 or ENV 105.

**POL 328 National Security Agencies** (3 hrs.) To understand the politics and processes of national security, we must have an understanding of the national security labyrinth at the national level. The purpose of this course is to ensure the students' knowledge about the institutional design, oversight mechanisms and shortcomings, missions, and relationship of the varied institutions of the national security bureaucracy. Prerequisites: POL 211, SEC 201, or permission of the instructor.

**POL 332 National Security Law I** (3 hrs.) The purpose of this class is to provide an understanding of the sources, impact and limitations of laws that impact the national security of the United States. We will look at the three branches of government and the roles that each plays in the legal environment related to national security. Additionally, there will be discussion of international laws and their effect on the security of the United States. Prerequisites: Any of the following: POL 211; POL 301; POL 305; POL 314; POL 362; any Security Studies course (SEC designation); OR permission of the instructor.

**POL 333 National Security Law II** (3 hrs.) This class delves deeply into legal issues facing national security, including traditional legal frameworks, and legal questions in emerging areas of national security law. Prerequisite: POL 211, POL 301, POL 305, POL 314, POL 362, or any Security Studies Course.

**POL 335 Politics and Security of Developing Nations** (3 hrs.) In this course, students will undertake a comparative investigation of the political dynamics of the developing world. Looking across Latin America, Asia, and Africa, students will identify and contrast patterns of political behavior across regions and analyze models of economic development, governance, and security challenges that occur in the developing world. By taking a policy-making perspective, students will assess problems and analyze solutions to current issues in developing nations. Prerequisites: POL 112, 212, SEC 201 or permission of the instructor.

**POL 337 Human Rights and Security** (3 hrs.) This course examines the evolution of the international system of human rights. It will consider fundamental legal, moral, and political debates related to human rights and look for avenues to make progress in human rights protection. It will also examine the relationship between human rights and human security and the challenges associated with the provision of human security in the 21st century, with special attention paid to human trafficking and economic development. Prerequisites: POL 112, 212, SEC 201, GTS 201, or permission of the instructor.

**POL 342 U.S. Supreme Court** (3 hrs.) This course is intended to provide insight into the United States Supreme Court. It will cover subjects that include, but are not limited to: understanding Supreme Court opinions; how justices are chosen to sit upon the Court; the reasons why the Supreme Court makes the decisions it does; and the impact of the Supreme Court on the political and legal landscape in the United States. Prerequisite: POL 211 or permission of the instructor.

**POL 343 Congress** (3 hrs.) This course will broadly examine the legislative branch of the United States government. Topics include: elections, committees, inter-branch relations, and spatial models of voting. The roles of Congress in our political system are two-fold: 1) to represent issues and concerns of the citizenry; and 2) to make policy for the nation – “to govern.” How does the structure of Congress impact the behavior of its members? What makes for “quality” representation? These questions, and more, will be discussed in this course. Prerequisites: POL 112, POL 211 or permission of the instructor.

**POL 345 Politics and Film** (3 hrs.) Film and visual images can help us understand contemporary politics. Films often shape and illustrate the public's perception of politics. This course will examine the portrayal of politics in movies. The course will have different themes each semester it is taught, including, but not limited to, the American presidency, race and gender, legislative politics, war, terrorism, and elections. Prerequisites: Any of the following: FAR 215, HIS 104, POL 112, or POL 211.

**POL 351 Women and Politics** (3 hrs.) This course explores the connection between gender and politics in America and in international contexts. Topics under investigation include political participation and the exercise of political leadership by women, the evolution of social movements in support of women's rights, critical social and political issues of concern to women such as health, employment, security, and education, and debates over relevant public policies. Prerequisites: POL 112, 211, 212, WGS 210, or permission of the instructor.

**POL 362 American Foreign Policy** (3 hrs.) A study of the diplomatic process designed to provide a realistic insight into the stresses and demands upon modern policy-making, including the roles of the president and Department of State. The course includes an analysis of postwar American programs, policies and difficulties in foreign affairs. Prerequisites: POL 211 or 212.

**POL 370 Drugs, Politics and Public Policy** (3 hrs.) Examines the response of the American political system to the use of psychoactive drugs. Class will consider questions pertaining to the explanation of human behavior, the structure and dynamics of American society and politics, the formation of public policy and fundamental issues of moral and political philosophy to encourage critical and sophisticated thought regarding the actual and desired relationship of American citizens with psychoactive drugs and possible political strategies for responding to perceived issues. Prerequisites: POL 112, or 212.

## PSY - Psychology

**PSY 112 Psychology as a Natural Science** (3 hrs.) An introductory analysis of mental processes and behavior from the perspective of natural science. Includes such topics as the nervous system, sensation and perception, animal and human learning, cognition, memory, and intelligence. Includes a computer-based laboratory designed to explore methodology and key concepts. Offered every semester.

**PSY 113 Psychology as a Social Science** (3 hrs.) An introduction to human behavior and mental processes from the social science perspective. Includes such topics as social inference, interpersonal relations, cognitive and social development, personality structure and function, motivation and emotion, stress and adjustment, abnormal behavior, and psychotherapy. Includes a computer-based laboratory designed to explore further course topics. Offered every semester.

**PSY/EDU 221 Educational Psychology** (3 hrs.) The application of psychological principles of learning, cognition, and child and adolescent development to the educational process in elementary and secondary schools. Topics include the impact of psychological knowledge on student learning, teaching, motivation, management of the classroom, and assessment of student learning. Offered every spring.

**PSY 231 Sports Psychology** (3 hrs.) An examination of the psychological factors influencing participants and, to a lesser extent, spectators in sport. Topics include the use of behavioristic principles to develop skills, and the effects of causal attribution, attention, anxiety, coaching strategy, and imagery on athletic performance. Additional special topics include audience effects, children in sports, and the psychological benefits of exercise. Offered every fall.

**PSY 270 Research Tools** (3 hrs.) A hands-on exploration of how the psychologist uses the computer to search for literature, analyze data, and report results. Through a series of exercises using primarily PC computers in the psychology laboratory, students learn how to use the Internet to search for previously published research, how to locate and use electronic literature, how to use statistical packages such as Jamovi, and how to generate graphs and other APA style documents. Prerequisites: PSY 112, PSY 113, and MAT 114. Offered every fall.

**PSY 274 Methods in Experimental Psychology** (3 hrs.) An examination of experimental methods and designs utilized in laboratory research. Topics include the assumptions of science, hypothesis formation, statistical analysis of data, and assessment of theory. Also technical skills associated with reading literature and presenting findings using APA-style elements are emphasized. MAT 114 Elementary Statistics is recommended but not required. Offered one semester a year. Prerequisites: PSY 112 and 113. Offered every spring.

**PSY 290 Biological Psychology** (3 hrs.) An exploration of the relationship between human behavior and biology. Basic material on genetics, neuroanatomy and neurophysiology is included, although the focus of the course is behavioral and mental phenomena that can be understood better via an analysis of brain function. Topics covered are: vision, learning, memory, motivation, emotion and abnormal behavior. Offered once every two years. Prerequisites: PSY 112 or BIO 114. Offered every odd spring.

**PSY 301 Human Sexual Behavior** (3 hrs.) The focus of this course is on the scientific study of human sexual behavior. Current research findings are presented and discussed in class. Topics include: Human anatomy and sexual functioning, pregnancy/childbirth, sex education, sexual and gender expressions, intimate relationships, as well as sexual problems, infections, and sex therapy. Students will discuss and process their own beliefs, attitudes, and assumptions about sexuality through in-class discussion and assignments. Offered occasionally. Prerequisites: PSY 112 or 113.

**PSY 305 Industrial-Organizational Psychology** (3 hrs.) This course applies the principles of psychology to work and other organizational settings. It presents both traditional industrial applications (personnel selection, job design, training, and performance evaluation), more recent perspectives on organizational performance (group dynamics, romance in the workplace, leadership, problem solving, organizational design, organizational development, and organizational culture and socialization), and recent work in ergonomics and engineering psychology. Offered occasionally. Prerequisites: PSY 112 or 113.

**PSY 310 Social Psychology** (3 hrs.) A survey of the field of social psychology emphasizing social cognition and inference, patterns of interpersonal relationship, the development and change of attitudes, and group structure and function. Offered every fall. Prerequisites: PSY 113.

**PSY 311 Social Psychology Laboratory** (1 hr.) Optional laboratory to accompany PSY 310. Offered every fall. Prerequisites: PSY 113 and either PSY 270 or PSY 274.

**PSY 312 Developmental Psychology** (3 hrs.) A survey of cognitive, emotional, social, and physical development across the lifespan, including the identification of general trends and individual differences in developmental patterns. Offered every fall. Prerequisites: PSY 112 or 113.

**PSY 313 Developmental Psychology Laboratory** (1 hr.) Optional laboratory to accompany PSY 312. Offered every fall. Prerequisites: PSY 113 and either PSY 270 or PSY 274.



**PSY 315 Psychology of Personality** (3 hrs.) A survey of the field of personality, emphasizing historical theories of personality, including those of Freud, Jung, Adler, Rogers, Maslow, and others, modern theoretical approaches including trait theory, the self, person-situation interactions, emotion and motivation, and basic methods of investigation. Offered every odd spring. Prerequisites: PSY 113.

**PSY 316 Personality Laboratory** (1 hr.) Optional laboratory to accompany PSY 315. Offered every odd spring. Prerequisites: PSY 113 and either PSY 270 or PSY 274.

**PSY 320 Memory and Cognition** (3 hrs.) An investigation of theories and research dealing with cognitive structure and processes. Such topics as long-and short-term memory, forgetting, iconic and echoic storage, concepts, heuristics, and problem solving are included. Offered every even spring. Prerequisites: PSY 112 or 113.

**PSY 321 Memory and Cognition Laboratory** (1 hr.) Optional laboratory to accompany PSY 320. Offered every even spring. Prerequisites: PSY 112 and either PSY 270 or PSY 274.

**PSY 330 Addictive Disorders** (3 hrs.) This course will integrate biological, psychological, social and cultural aspects of the use and abuse of a wide variety of psychoactive substances ranging from caffeine to alcohol to heroin. The course will focus on the nature of and criteria for diagnosing substance use disorders (SUDs), and predictors of SUDs. Existing and new/emerging approaches to treatment (medications, counseling, support groups) will also be discussed and explored in class, with a strong focus on reading, understanding, and critiquing original peer-reviewed research on SUDs and their treatment. Offered occasionally. Prerequisites: PSY 274 or PSY 290 or BIO 107 or BIO 114.

**PSY 340 Forensic Psychology** (3 hrs.) This course will explore the basic principles surrounding the interaction of psychology and the legal system. Forensic Psychology's foundation is within the rubrics of psychological, political science and sociological principles. It is inherently an interdisciplinary course due to its interaction between several fields of learning. Students will learn about several areas within forensic psychology including, but not limited to, what forensic psychology entails, the roles of forensic psychologists, use of psychology in the selection of law enforcement, techniques in criminal investigation, risk assessment, child custody cases, interrogation and confessions, insanity and competency to stand trial, and death penalty trials and appeals. Discussions regarding the cooperative and conflicting nature of the relationship between the legal system and psychology will be prevalent. Offered occasionally. Prerequisites: POL 112, POL 211, PSY 113, or SOC 111.

**PSY 364 Stereotyping, Prejudice, and Group Conflict** (3 hrs.) This course uses experimental social psychology as the foundation to explore the affective, behavioral, and cognitive processes associated with group interaction and conflict. Utilizing an interdisciplinary perspective, it will integrate psychological, sociological, political, historical, and security-related approaches to understanding stereotypes, prejudice, and discrimination on a local and global scale. Offered occasionally. Prerequisite: PSY 113.

**PSY 390 Abnormal Psychology** (3 hrs.) This course explores the psychological, cultural, and social factors involved in defining patterns of thought and behavior as abnormal with a focus on mental/psychiatric disorders as defined by the Diagnostic and statistical manual. A strong emphasis is placed on understanding scientific research on predictors of and biological psychological treatments for a wide range of mental disorders (mood, anxiety, personality, substance use, eating/body image, dissociative, psychotic and sexual disorders). Offered every spring. Prerequisite: PSY 113.

**PSY 391 Abnormal Psychology Lab** (1 hr.) Optional laboratory to accompany PSY 390. Offered every spring. Prerequisites: PSY 113 and either PSY 270 or PSY 274.

**PSY 398 Independent Study** (1-4 hrs.) This course gives the psychology major an opportunity to increase his/her/their understanding of psychology as a discipline through a program of individual research supervised by a faculty member. The course may be repeated with change of topic. Enrollment by permission of the instructor. Offered occasionally.

**PSY 405 International and Cross-Cultural Psychology** (3 hrs.) Utilizes an interdisciplinary perspective to focus on a contemporary challenge facing our world: the need to understand persons from different cultures as the globalization of our communications and commerce forces close contact with persons who have a different cultural background from our own. The course includes a cross-cultural examination of many of the basic topics in the field of psychology such as sensation-perception, gender, personality and abnormal. Also focuses on cross-cultural behavioral expectations and fosters development of the skills needed to evaluate a situation and determine the behavioral rules existing in that situation. Offered occasionally. Prerequisites: PSY 113 and one of the following: HIS 334, 356, HUM 277, 278, 294, GTS 201, PHL 102, POL 212, REL 102, SOC 111, WGS 210.

**PSY 412 Counseling Theories and Methods** (3 hrs.) An introduction to the major theories of counseling and psychotherapy, current issues in the field, and applications for specific groups and settings. The course includes both theoretical and experiential components. Offered occasionally. Prerequisites: PSY 113.

**PSY 418/SOC 318 Adult Develop & Aging** (3 hrs.) An investigation of theories and research in adult development, from young adulthood to old age. Emphasizes gains and losses in cognitive, social, emotional, and physical development as well as death and grieving. Offered occasionally. Prerequisites: PSY 112, 113, or SOC 111.

**PSY 422 Psychology Seminar** (3 hrs.) Discussions, readings, and individual papers based on special problems in psychology. Offered every spring. Prerequisites: PSY 112, PSY 113, and either PSY 270 or 274.

**PSY 430 Pre-Thesis** (3 hrs.) The first course in a two-semester sequence for students wishing to complete a senior thesis. Students will be asked to complete an extensive literature review of a topic approved by their thesis advisor. Offered every spring. Prerequisites: PSY 112, PSY 113, and either PSY 270 or PSY 274.

**PSY 431 Senior Thesis** (3 hrs.) The senior thesis is a report of extended library research and an experimental study focusing on a topic chosen by the student and approved by a sponsoring member of the department. Library research is performed during enrollment in pre-thesis and the experimental project is executed while taking this course. Offered every fall. Prerequisites: PSY 112, PSY 113, PSY 270 and 274, completion of PSY 430 with a C or higher, and senior standing.

## REL - Religion

**REL 101 Introduction to the Bible** (3 hrs.) Examines the historical context in which the Bible (including both the Hebrew Bible, Old Testament, and the New Testament) was written, the various types of literature found in the Bible and the important impact of the Bible on the Western cultural tradition. Some attention will be given to the questions of the Bible's relevance in addressing contemporary ethical issues. Typically offered every semester."

**REL/PHL 102 World Religions** (3 hrs.) One of the most pressing problems of the 21st century is religious pluralism: We live in a world, in a nation, and in an academic community that is religiously diverse. How will we relate to persons who are different from one another and from us in terms of religious orientation? Will we choose to relate in ways that are healthy or ways that are harmful? For unless we know what persons of faith believe and value and do, we cannot relate in positive ways to them. This course will strive to understand a number of the varied religious traditions of the world in a way that is fair, open-minded, objective, and kind. "Agreeing" with the various religions we will be studying is not required; however, "understanding" them is. Typically offered every semester.

**REL 302 The Meaning of Life** (3 hrs.) What is the meaning of life? Most of us have asked this question of ourselves and perhaps of other people we respected. For, in addition to understanding the world in which we live, we want to make sense of how to make our own lives as meaningful as possible—to know not only why we're living, but that we're living our lives with intention, purpose, and commitment. Through interesting and pertinent books, writing selections, films, and a community service/experiential learning project, this course will address this profound, abstract, and personal question. Prerequisite: One PHL or REL course, or permission of the instructors.

**REL 305 Perceptions of Death** (3 hrs.) No matter our gender, race, nationality, socio-economic status, and religious commitment, all of us shall one day die. And by whatever term it is referred—passing away, dying, croaking, giving up the ghost, passing, becoming fertilizer, succumbing to physical finitude, falling asleep (the euphemism in the time of Jesus)—not one of us shall be able to avoid death. Of course, death especially in Western, American culture, is not often discussed: Death is counter-cultural in that our society—with its obsession with youth, the new, and vitality—either dismisses death as an event that happens to someone else or denies death as an inevitable reality by emphasizing a false sense of personal earthly immortality. This interdisciplinary course will study the phenomenon of death in its biological, psychological, social, cultural, ethical, and religious dimensions. Topics will include the problem of defining death; the fear and denial of death; the institutionalization and secularization of death in the modern world; the dying person and the process of death; grief; funerals; suicide; beliefs concerning life after death; literary treatments of death; and ethical issues surrounding death (such as the artificial prolongation of life, euthanasia, capital punishment, cloning, and genocide). Typically offered every other year. Prerequisites: 3 hours of Religious Studies credit or permission of instructor.

**REL 307 Social Justice in Modern Christian Thought** (3 hrs.) With a focus on social ethics, this course will explore the moral implications of the Christian commitment, the formulation and development of the principles of Christian ethics for persons and within communities, and their applications to areas of contemporary life. The course will address issues such as economic justice, poverty and wealth, criminal justice and capital punishment, war and pacifism, as well as environmentalism and food consumption. We will give attention to Catholic Social Teaching, Liberation Theology, and Anabaptist thought, among others. Typically offered once every year. Prerequisites: REL 101 or REL 102.

**REL 316 The Teachings of Jesus** (3 hrs.) The emphasis of this course is upon developing a historical understanding of Jesus. The teachings of Jesus are examined, using the Biblical Gospels, parallel Jewish and Greek and Roman documents and early extra biblical Christian texts as source materials. Attention will be given to the interpretation of Jesus in the Gospels, Paul and other early Christian sources. Interpretations of Jesus throughout history and in the contemporary world which shape the reception history of the "teachings of Jesus" will be studied. Typically offered every other year. Prerequisites: REL 101.

**REL 319 Recent Christian Thought** (3 hrs.) An introduction to major themes, writers and movements in contemporary Christian theology, against the background of an historical overview of the development of Christian thought. Typically offered once every three-four years. Prerequisites: 3 hours of Religious Studies credit.

**REL 333 Asian Philosophy and Religion** (3 hrs.) The purpose of this course is to provide a detailed overview of the key thinkers and issues of the four major traditions of Eastern Philosophy: Indian, Chinese, Japanese, and Islamic. A variety of primary and secondary source readings are used to elucidate issues in metaphysics (including philosophy of religion), epistemology, ethics, political philosophy, and aesthetics. Prerequisite: Any ASN, PHL or REL course.

**REL 335 Sex and Gender in the Christian Tradition** (3 hrs.) This course is a critical study of sexuality and gender within the Christian tradition. Using biblical perspectives, theological positions, ethical reasoning, church traditions, faith commitments and empirical data as our guides, we will explore several realms of contemporary Christian conversation. Lenses for interpretation used within the course include Womanist ethics, Queer theory and theology, and Feminist biblical exegesis. It examines key ethical variables such as human nature, God, the church, love, justice and empowerment in such major issues of sexuality and gender as human eroticism, marriage, partnering, divorce, contraception, reproduction, sexual identity and sexual violence. Typically offered every other year. Prerequisites: 3 hours of credit in REL or WGS.

**REL/PHL 342 Philosophy, Religion, and Science** (3 hrs.) The common perception today is that, for centuries, science and religion have stood in conflict with each other –e.g. as demonstrated by conflicting perspectives between Charles Darwin and the Bible concerning the theory of evolution. Philosophy itself was foundational to scientific inquiry, though its approach differs from both science and religion and can also be seen by some as adversarial to each. This course explores three themes--cosmology and creation, evolution and providence, and genetics and human nature—from the vantage points of philosophy, religion, and science with the goal of presenting a fresh conversation between these fields which does not reduce to adversarial positions. Prerequisite: One course in philosophy or religious studies or one course in the natural sciences, or permission of the instructor.

**REL 345 The Writings of C.S. Lewis** (3 hrs.) C.S. Lewis has been long recognized as one of the premier theologians and writers of the twentieth century. This course will examine Lewis' theology through the lens of his works of fiction, emphasizing religious themes such as the nature of belief, the problem of evil, temptation, conversion, and death. (Previously offered as PHL 410/REL 300).

**REL 346 / GTS 300 Religion and Violence** (3 hrs.) The Holocaust and Other Genocides: This course will investigate a number of large-scale outbreaks of violence among humans in the 20th and 21st centuries. The Holocaust will be studied first, and will then be used as a springboard to examine other genocides or atrocities.

**REL 398 Independent Studies in Religion** (1-4 hrs.) This course permits advanced study of areas in religion not covered by regular listings on a research-tutorial basis. The precise topic is defined by the student in conference with the instructor. Offered as needed. Prerequisites: six hours of religion and permission of the instructor.

## SEC - Security Studies

**SEC 201 Introduction to Security Studies** (3 hrs.) This course will provide the foundations for the Security Studies minor and major, and will serve to introduce many issues in the modern search for security. By the end of the course, you should have a basic understanding of the major theories of security; current issues, conceptions threats to security; institutions related to security; and identify future threats that may loom on our horizon. Additionally, there will be several guest speakers in class who will discuss particular issues in more detail.

**SEC 205 Intro to Homeland Security** (3 hrs.) The principal objective of this course is to provide a comprehensive introduction to US homeland security, with a focus on the post-September 11, 2001 era. We will examine agency missions, laws, and regulations that govern America's efforts to protect the homeland. Through an examination of complex threats and threat environments, students will gain insight into contemporary issues relevant to the homeland security enterprise

**SEC 312 Terrorism** (3 hrs.) The major objective of this course is to increase your knowledge about terrorism: what it is, why it occurs, why targets are selected, and how to prevent it. Prerequisites: SEC 201.

**SEC 325 Issues in Homeland Security** (3 hrs.) The purpose of this class is to provide an understanding of the issues and policy spaces that comprise homeland security. The policy space is wide and oft-changing; as such, this course is designed to introduce the students to the critical policy spaces, and allow the student to explore these with some depth. Prerequisites: POL 211; POL 301; any Security Studies course (SEC designation); OR permission of the instructor.

**SEC 328 National Security Agencies** (3 hrs.) To understand the politics and processes of national security we must have an understanding of the national security labyrinth at the national level. The purpose of this course is to ensure the students' knowledge about the institutional design, oversight mechanisms and shortcomings, missions, and relationship of the varied institutions of the national security bureaucracy. Prerequisites: POL 211, SEC 201, or permission of the instructor.

**SEC 334 Intelligence at Home and Abroad** (3 hrs.) Nations survive and prosper on the basis of their ability to effectively gather, evaluate, and utilize information about threats. In this course, students will examine the history, context, purpose, methods, processes, and challenges of intelligence gathering at home and abroad. Prerequisites: GTS 201, HIS 105, HIS 106, LST 201, POL 112, POL 211, SEC 201, SEC 205, or permission of the instructor.



**SEC 335 Politics and Security of Developing Nations** (3 hrs.) In this course, students will undertake a comparative investigation of the political dynamics of the developing world. Looking across Latin America, Asia, and Africa, students will identify and contrast patterns of political behavior across regions and analyze models of economic development, governance, and security challenges that occur in the developing world. By taking a policy-making perspective, students will assess problems and analyze solutions to current issues in developing nations. Prerequisites: POL 112, 212, SEC 201 or permission of the instructor.

**SEC 337 Human Rights and Security** (3 hrs.) This course examines the evolution of the international system of human rights. It will consider fundamental legal, moral, and political debates related to human rights and look for avenues to make progress in human rights protection. It will also examine the relationship between human rights and human security and the challenges associated with the provision of human security in the 21st century, with special attention paid to human trafficking and economic development. Prerequisites: POL 112, 212, SEC 201, GTS 201, or permission of the instructor.

**SEC 346 Chinese Politics and Influence** (3 hrs.) An examination of how China's emergence as an economic, diplomatic, and military heavyweight is shifting the global balance of power, shaping the responses of governments and intergovernmental organizations, and posing fundamental questions about the nature of world order itself. Prerequisites: GTS 201, SEC 201, POL 212, or permission of the instructor.

**SEC 364 Stereotyping, Prejudice, and Group Conflict** (3 hrs.) This course uses experimental social psychology as the foundation to explore the affective, behavioral, and cognitive processes associated with group interaction and conflict. Utilizing an interdisciplinary perspective, it will integrate psychological, sociological, political, historical, and security-related approaches to understanding stereotypes, prejudice, and discrimination on a local and global scale. Offered occasionally. Prerequisite: PSY 113.

**SEC 420 Security Studies Thesis** (3 hrs.) Students will learn research methods and utilize them to write a thesis paper. The expectation is that these papers will be written at a level acceptable for off-campus conference. Prerequisites: junior or senior status; declared Security Studies major; 18 or more hours toward major completion. Students will learn research methods and utilize them to write a thesis paper. The expectation is that these papers will be written at a level acceptable for off-campus conference. Prerequisites: junior or senior status; declared Security Studies major; 18 or more hours toward major completion.

## SOC - Sociology

**SOC 111 Introduction to Sociology** (3 hrs.) This course provides an introduction to the theories and methods used by sociologists to understand society. It explores topics ranging from culture to social institutions, including education, the economy, and government. It also examines how social identities, such as race, class, and gender affect people's lives and life chances.

**SOC 315 Gender and Society** (3 hrs.) This course examines multiple aspects of gender, including how it is constructed through our social interactions, how it is challenged by people who do not conform to traditional conceptions of gender and sexuality, and how ideas about gender vary by culture. It will also explore the role of social institutions, such as the media, work, and family, in shaping our ideas about gender and sexuality. Prerequisites include any one of the following: SOC 111 or WGS 210.

**SOC 317 Race and Ethnicity** (3 hrs.) This course explores various aspects of race and ethnicity, including the social construction of racial and ethnic categories, theoretical perspectives on prejudice and discrimination, and how race and ethnicity are embedded in social institutions. The course includes discussion of some of the most pressing issues in American society, such as new forms of discrimination, racial inequality in the criminal justice system, and how the racial/ethnic system is changing over time. Although the course focuses on the United States, it draws on international examples for comparative purposes. Prerequisite: SOC 111.

**SOC 318/ PSY 418 Adult Develop & Aging** (3 hrs.) An investigation of theories and research in adult development, from young adulthood to old age. Emphasizes gains and losses in cognitive, social, emotional, and physical development as well as death and grieving. Offered occasionally. Prerequisites: PSY 112, 113, SOC 111 or ANT 115.

**SOC 332 Prisons and Social Control** (3 hrs.) This course offers a critical approach to the study of prisons and social control in society by focusing on prisons as complex social institutions that are shaped by social, historical, political, economic and cultural forces. The course examines such issues as the functions of incarceration and other forms of social control, the dynamics of the prison environment, and the effects of incarceration on prisoners and society more broadly. SOC 111 or ANT 115.

**SOC 345 Sociology of Religion** (3 hrs.) The course will endeavor to introduce students to the major thinkers in the field of the sociology of religion, to some of its central theories regarding the nature of religion and the relationship between religion and society, and to some applications of its theories to specific religions and societies. Prerequisites include any one of the following: SOC 111, ANT 115; REL 101, 102; CLA 215; HIS 105.

**SOC 360 Sociological Theory** (3 hrs.) This course will provide students with an overview of classical and contemporary sociological theory. Through a critical examination of primary texts, the course will explore fundamental questions concerning modern societies, including why

societies change or remain stable over time, what are the forces that govern human interactions, and how can we explain some of the causes and consequences of social inequality. Prerequisites: SOC 111 or ANT 115.

**SOC 363 Deviance** (3 hrs.) Deviance is a fluid concept. How we determine what behaviors are “deviant” changes over time and varies according to context. This course will provide an overview of the sociology of deviance, including issues of labeling and stigma, the medicalization of deviance, and the politics that shape how deviance is defined and subject to sanctions. Specific areas of “deviance” that we will address include homosexuality, mental illness, and alcohol and drug use, among others. Prerequisites: SOC 111 or ANT 115.

**SOC 375 Social Science Research Methods** (3 hrs.) This course is designed to teach students how to collect and analyze data using the qualitative and quantitative methods most commonly employed in the social sciences, including surveys, ethnography, content analysis, qualitative interviews, experiments and focus groups. Students will acquire hands-on experience collecting data using four of these methods and learn how to interpret data presented in academic writing. The course will also address issues pertaining to validity, reliability, sampling, research ethics, and the use of secondary sources. Prerequisites: SOC 111, ANT 115, or POL 112.

**SOC 398 Independent Study** (1-4 hrs.) Topics of special interest on a tutorial basis, or supervised field research projects. Prerequisites: SOC 111 or ANT 115 or permission of instructor.

**SOC 431 Sociology Honors Thesis** (2 hrs.) An option for upper-class majors who successfully complete the theory and methods requirements. Students produce an original critical paper based on either library or field research in consultation with the members of the department.

## SPA - Spanish

**SPA 101 Elementary Spanish I** (3 hrs.) Pronunciation, basic conversation, fundamentals of grammar, and easy reading. Offered every fall semester.

**SPA 102 Elementary Spanish II** (3 hrs.) A continuation and honing of skills learned in Spanish 101, concentrating on the subjunctive and more advanced points of grammar. Offered every spring semester. Prerequisites: SPA 101.

**SPA 103 Accelerated Elementary Spanish** (4 hrs.) This seven-week online course covers the material taught in our regular elementary Spanish I and II classes. This is an introductory language course in which the student is expected to acquire and develop basic communicative and written competence in Spanish. The class is designed to provide an introduction of the vocabulary, verbs, and grammatical concepts typical of an elementary Spanish course. Prerequisites: None.

**SPA 200 Study Abroad Spain** (3 hrs.) A fully immersive experience in Latin America and Spain designed to improve communication, comprehension, writing, and cultural appreciation skills. The course includes a mandatory preparation Spring Seminar (2 credit hours) and a May Term experience in the Hispanic country offered that year (1 credit). Offered every year. No prerequisites.

**SPA 203 Intermediate Spanish I** (3 hrs.) Emphasis is placed on a review of grammar and practice in Spanish composition. The readings are drawn from contemporary Spanish and Latin American literature. Offered annually in the fall semester. Prerequisites: SPA 102 or 103.

**SPA 204 Intermediate Spanish II** (3 hrs.) Continuation of SPA 203. Offered annually in the spring semester. Prerequisites: SPA 203.

**SPA 210 Intermediate Spanish Conversation** (3 hrs.) Intensive oral practice in Spanish designed to improve pronunciation, increase students' basic vocabulary, and develop communication skills for everyday situations. Prerequisites: SPA 102 or 103.

**SPA 303 Advanced Spanish Conversation** (3 hrs.) Continued intensive work in Spanish. Oral practice will concentrate on helping students to organize and express their ideas on a variety of topics: literature, culture, and contemporary problems related to the Hispanic world. Offered annually in the spring semester. Prerequisites: SPA 204 or 210 or permission of the instructor.

**SPA 305 Commercial Spanish** (3 hrs.) This course gives practice in translating commercial documents and correspondence from Spanish to English, and from English to Spanish as well as on the development of a specialized vocabulary in both languages. Prerequisites: SPA 204.

**SPA 310 Special Topics in Literature** (3 hrs.) Courses on various topics in Spanish literature are offered under this listing. Topics: Survey of Spanish Literature since the 18th Century, Spanish Novel, Spanish Drama, and Spanish-American Short Story. It can be taken multiple times as long as the topic is different. Prerequisites: SPA 381 or permission of the instructor.

**SPA 330 Translation I** (3 hrs) This is the first course in a series of three and introduces students to the principles of Spanish-English translation. Topics include: translation as a process and as a product, cultural issues, genre, and formal aspects of texts. The discussion seminars include in-class practical exercises, translation exercises and a final project allowing students to experiment with translation and translation theory. Prerequisites: SPA381 or permission of the instructor.

**SPA 331 Translation II** (3 hrs) This is the second course in a series of three. Topics include: issues with different registers and dialectical aspects, literal/connotative meaning, and stylistic editing. Students also practice specialized translation (scientific, technical, legal, and consumer-oriented translation). The Discussion seminars include in-class practical exercises, translation exercises and a final project allowing students to experiment with translation and translation theory. Prerequisites: Translation I

**SPA 332 Translation III** (3 hrs) This course is a capstone project for students completing the Spanish major (Translation Track only) and the Translation certificate. The topic and the nature of the project is determined in consultation with the instructor. Prerequisites: Translation II

**SPA 351 Introduction to Spanish Literature** (3 hrs.) This course covers Spanish literature, from the Middle Ages to the present. The selected works will include plays, novels, short stories and poetry. Prerequisite: SPA 381 or permission of the instructor.

**SPA 353 Nineteenth and Twentieth Century Latin American Literature** (3 hrs.) Readings of selected novels, short stories, plays, essays, and poetry of Latin American literature from the nineteenth and twentieth centuries. Prerequisites: SPA 381 or permission of the instructor.

**SPA 363 Spanish-American Novel** (3 hrs.) A study of the major currents in the Spanish-American novel in the nineteenth and twentieth centuries. The selected works reflect the main cultural, political, and economic aspects in society. Prerequisites: SPA 381 or permission of the instructor.

**SPA 377 Spanish Civilization** (3 hrs.) An introduction to Spanish civilization from its beginnings to the present. Taught in Spanish. Offered annually in the spring semester. Prerequisites: SPA 204 or permission of the instructor.

**SPA 378 Latin American Civilization** (3 hrs.) An introduction to the culture and civilization of Latin America, from the colonial period to the present, with concentrated study of contemporary Latin American culture. Includes historical, social, and economic aspects, as well as art and literature. Taught in Spanish. Offered annually in the fall semester. Prerequisites: SPA 204 or permission of the instructor.

**SPA 381 Advanced Grammar and Composition** (3 hrs.) A systematic review of all common elements of Spanish grammar. Exercises are designed to develop proficiency in both spoken and written Spanish. Offered annually in the fall semester. Prerequisites: SPA 204 or permission of the instructor.

**SPA 425 Senior Honors Thesis/Project** (3 hrs.) Students majoring in Spanish who wish to graduate with Honors in their subject area may elect to write a thesis or complete a project during their senior year. The topic and nature of the thesis or project will be determined in consultation with the instructor. The student must receive a grade of A for this work in order to graduate with Honors. Prerequisites: three 300-level courses and permission of the instructor.

## SPE - Speech

**SPE 101 Introduction to Speech Communication** (3 hrs.) This course provides an overview of the speech communication discipline with an emphasis on public speaking. The class includes experiential and theoretical explorations of public speaking, group dynamics and interpersonal communication.

**SPE 203 Interpersonal Communication** (3 hrs.) A skills and theory examination of communication within human relationships. The class covers communication-related areas of self-concept, self-disclosure, perception, semantics, nonverbal communication, listening, defensive communication and conflict resolution.

**SPE 220 Public Relations** (3 hrs.) Introduction to concepts, techniques, and application involved in researching and planning programs in public relations. Such programs are designed to influence public opinion and human behavior. Students should be able to define public relations, understand PR's historical perspective, and apply relevant information toward participating in a PR campaign. Offered every other spring semester. No prerequisite, but ENG 260 and SPE 101 are strongly recommended.

**SPE 303 Communication in Relationships** (3 hrs.) This course examines in-depth views of various communication theories in dyadic relationships. Issues covered include content and relational aspects of messages, analysis of relationship stages and communication competence. Prerequisites: a grade of C or better in SPE 203 and sophomore standing.

**SPE 310 Business and Professional Communication** (3 hrs.) The capstone course for Business Communication majors covering theoretical and experiential concepts and techniques of communication in professional situations. Includes units in interviewing, persuasion and organizational communication. Prerequisites: completion of SPE 101 with grade of C or better and junior standing.

**SPE 398 Independent Study** (3 hrs.) This course permits additional study in areas of communication that are not covered by regular course listings. The precise topic is defined by the student and instructor and is taught on a research-tutorial basis. Prerequisites: completion of SPE 101 or 203 with a grade of C or better.

## SSI

**SSI 101 Library Research & Information Literacy** (1 hr.) This class encourages students to develop a meta-cognitive approach to learning, developing an understanding of the explicit actions required for gathering, analyzing, and using information. The goals of SSI 101 are to lay the foundation for academic success and lifelong learning by developing the skills needed to access information as systematically, effectively, and efficiently as possible.

**SSI 205 Transnational Information Literacy Infrastructure & Internet Libraries** (2 hrs.) This course is designed to build on students' abilities to use research skills including but not limited to the explicit actions required for gathering, analyzing, and using information. The students then use higher level thinking to compare and contrast immediate resources with global equivalents. Students will develop skills in on-line resource evaluation and integration using traditional subscription and print resources. The goals of the course are to develop further the foundation for academic success and life-long learning by developing the skills needed to think critically about the infrastructure required to access needed information as systematically, effectively, and efficiently as possible.

**SSI 4xx Advanced Projects** (3 hrs.) Special interdisciplinary courses in the humanities, natural science and mathematics, or social sciences, respectively, are offered under this listing. These courses may not be counted towards meeting major requirements in any major subject, but they may, at the major department's discretion, be applied to collateral requirements for a major. May be repeated for credit with change of topic.

## THE - Theater Arts

**THE 201 Basic Acting** (3 hrs.) This course introduces students to both practical and theoretical elements of acting for the stage. Students will learn basic principles of staging and theatrical terminology; develop the ability to invest and act truthfully in imaginary circumstances; and gain the physical, vocal, and analytical skills necessary to successfully interpret dramatic texts in performance. These skills will be applied to scene work as the semester progresses. This hands-on course will require outside rehearsal time, reading, critical/analytical writing, and in-class performance of scenes and exercises from all students.

**THE 230 Play in Performance** (3 hrs.) This course consists of a semester long study of the academic and artistic foundations of dramatic performance culminating in a fully staged production of a play. The course will include in depth play-analysis, acting, and technical theatre training as well as more traditional coursework and academic papers exploring the playwright, their other works, the performance history of those works, and the theatrical movements associated with that playwright. Prerequisites: Instructor Permission.

**THE 231 Play in Performance II** (1 hr.) This course allows students who have already completed ENG/THE 230 'Play in Performance I' to receive credit for participating in the fully staged production associated with that class. Students will continue to develop an appreciation for the academic and artistic foundations of dramatic performance through the production process. This will include in depth play-analysis, acting, and technical theatre training as well as an academic exploration of the playwright and his work, the performance history of those works, as well as the theatrical movements associated with that playwright. Prerequisites: Instructor Permission and ENG/THE 230.

**THE 378 Playwriting** (3 hrs.) In this course, we will collectively work to develop and hone your ability to construct performance texts. We will use a selection of one-act plays written by some of the most accomplished playwrights of the 20th century, seminal works of performance art, and a few foundational texts on dramatic analysis to isolate the features of effective performance compositions. From there the course will increasingly focus on your original compositions, which will be workshopped by the class as a whole. This process will culminate in your completion of a polished one-act play. Prerequisites: THE 201, ENG/THE 230, or ENG275.

**THE LB1 Musical Theater Workshop** (2 hrs.) Course provides academic credit for participation in the college musical. Participation includes those students who are actors, singers, and dancers in the production as well as those involved in the technical activities. A study of the history and genre of the musical comedy to be presented will be included.

**THE LB2 Theater Practicum** (2 hrs.) Course provides academic credit for participation in the College play or comedy. Participation includes those students who are actors in the production as well as those involved in the technical activities. A study of the history and genre of the play to be presented will be included.

**THE LB3 One Act Play Production** (1hr.) Course provides academic credit for participation in a one-act production or dinner theater. Participation includes those students who are actors in the production as well as those involved in the technical aspects of the production.

## WGS – Women's and Gender Studies

**WGS 205 Mediation and Conflict Resolution** (3 hrs.) The course is designed for students pursuing a minor in Organizational Leadership but is open to all students. It satisfies the "Communication Skills" requirement of this minor. This course focuses on the analytical, methodological and practical tools of conflict mediation with an emphasis on conflict prevention, management, and resolution. The course



provides students with an introduction to the theories of conflict, conflict resolution, and mediation. Students will then be challenged to apply these theories to real cases taken from history, current events, and community or campus conflicts. The course will also provide a laboratory for students to learn and develop their mediation and conflict resolution skills. Students may choose a service-learning alternative that allows them to integrate out of the classroom experiences with theory through campus or community placements (e.g., involvement with the Fulton Housing Authority Mediation Program).

**WGS 210 Introduction to Women's Studies** (3 hrs.) Using gender as a category of analysis, this course will examine the roles, images and contributions of women of diverse races, classes and cultures from a variety of disciplinary perspectives and across representative time periods.

**WGS 301 Human Sexual Behavior** (3 hrs.) The focus of this course is on the scientific study of human sexual behavior. Current research findings are presented and discussed in class. Topics include: Human anatomy & physiology; the sexual response cycle; developmental factors in sexuality; sexual difficulties & therapy; sexually transmitted diseases; and atypical sexual behavior. Additionally, opportunities are provided for students to explore their feelings and attitudes about human sexual behavior in general and their own sexuality in particular. Prerequisites: PSY 112 or 113.

**WGS 315 Gender and Society** (3 hrs.) This course examines multiple aspects of gender, including how it is constructed through our social interactions, how it is challenged by people who do not conform to traditional conceptions of gender and sexuality, and how ideas about gender vary by culture. It will also explore the role of social institutions, such as the media, work, and family, in shaping our ideas about gender and sexuality. Prerequisites include any one of the following: SOC 111, ANT 115, or WGS 210.

**WGS 335 Sex and Gender in the Christian Tradition** (3 hrs.) This course is a critical study of sexuality and gender within the Christian tradition. Using biblical perspectives, theological positions, ethical reasoning, church traditions, faith commitments and empirical data as our guides, we will explore several realms of contemporary Christian conversation. Lenses for interpretation used within the course include Womanist ethics, Queer theory and theology, and Feminist biblical exegesis. It examines key ethical variables such as human nature, God, the church, love, justice and empowerment in such major issues of sexuality and gender as human eroticism, marriage, partnering, divorce, contraception, reproduction, sexual identity and sexual violence. Prerequisites: One REL or WGS course.

**WGS/ENG 340 Gender and Literary Expression** (3 hrs.) A study of gender as a personal, social, and literary construction, this course examines literature in the context of contemporary social and cultural attitudes towards gender. Though poetry, fiction, or drama are usually included, this course often involves essays, journals, and letters as well. Course offerings may include Southern Women Writers, Women and Madness, or Theories of Gender in Literature. Offered at least every two years. Prerequisites: a 200-level course in literature or permission of the instructor.

**WGS 351 Women and Politics** (3 hrs.) This course explores the connection between gender and politics in America and in international contexts. Topics under investigation include political participation and the exercise of political leadership by women, the evolution of social movements in support of women's rights, critical social and political issues of concern to women such as health, employment, security, and education, and debates over relevant public policies. Prerequisites: POL 112, 211, 212, WGS 210, or permission of the instructor.

**WGS/HIS 354 Scandalous Women** (3 hrs.) This course takes a chronological approach in examining women from the colonial era to the present day that challenged traditional gender roles and earned the label of "scandalous." Throughout the course, students will explore the changing connotation of words such as scandalous and deviant in order to assess how social, political, and cultural realities often shape what Americans deem rebellious female behavior. Prerequisites: HIS 103 or HIS 104 or WGS 210.

**WGS 355 Women's Health Issues** (3 hrs.) This course will explore the topic from three perspectives: holistic health perspective, a developmental perspective, and sociocultural or global perspective. Readings, discussion, lecture, writings, research, and presentations will consider these perspectives in better understanding women's health issues. Prerequisite: One course from the following: PSY 112, PSY 113, BIO 105, NSC 108, BIO 114/115, SOC 111, ANT 115, WGS 210, REL 102.

**WGS 410 Theory and Practice** (3 hrs.) This course explores the diverse history of Feminist Theory and the vast variety of debate and conversation within the field. Completion of a research project, which incorporates theoretical perspectives from the field of women's and/or gender studies and an experiential learning opportunity may be substituted with consent of the Minor Coordinator. Prerequisites: WGS 210 and permission of the minor program coordinator. (This course is a requirement for the Women and Gender Studies Minor, but may be satisfied by successfully completing an internship that has been approved by the Minor Coordinator or an approved off-campus study program that includes an internship.)

## WSM - Westminster Seminar

**WSM 101 Westminster Seminar** (3 hrs.) This course provides an academic introduction to college learning at Westminster. Course topics vary, but there is a common emphasis on academic skill development in the areas of critical thinking, communication, reading analysis, and research. Students will also build college transition skills through this interdisciplinary seminar-style course.

**WSM 102 Transfer Student Westminster Seminar** (1 hr.) This course will help new transfer students to make the transition from their previous institution to Westminster. The course will help students to learn academic and other skills needed to become a successful student at Westminster and will help students to learn about college services and offices.

**WSM 103 Freshman Transfer Westminster Seminar** (3 hrs.) This section of Westminster Seminar seeks to particularly serve transfer freshmen, bringing in less than thirty credits from a previous institution and identified as academically at risk. The three-hour class is designed to include intensive study skill instruction to help transfer students to become successful in college work.

**WSM 104 Transformations** (3 hrs.) In this introductory course to the Westminster experience for adult learners in the Division of Professional Advancement and Leadership studies, students will read about, analyze, and evaluate various topics in literature, science, history and psychology that come together to produce transformative thinking. This course is designed to help students prepare for success in future course work within the Division by developing critical thinking, and written and oral communication skills. Satisfies the General Studies Core Requirements Critical Thinking category.

**WSM 210 Westminster Seminar Mentor Training** (1 hr.) The Westminster Seminar training course is designed to provide students with an opportunity to receive class credit for serving as a Westminster Seminar mentor. This course is designed to prepare students to be effective mentors. As such, we will cover the basics of the Westminster Seminar, characteristics of today's students, helping students with their needs, international and special needs students, study skills and time management, and critical thinking and other important academic skills. Students should register by permission of instructor only.

# ADMINISTRATION & STAFF

## Office of the President

President and Chief Transformation Officer, **Mr. Donald P. Lofe, Jr.**  
Executive Assistant to the President of the College, **Jessie Jones**

## Academic Affairs

Provost, Vice-President and Chief Academic Officer, Co-Chief Student Retention Officer, **Dr. Ingrid Ilinca**  
Associate Vice President for Academic Affairs and Associate Dean of Faculty, **Dr. Linda Webster**  
Assistant Dean of Online Program, **Tanys Nelson**  
Chief Accreditation Officer, **Dr. David Jones**  
Registrar, **Phyllis Masek**  
Director of Center for Teaching and Learning, **Dr. Mary Majerus**  
Executive Assistant to the Vice President and Dean of Faculty, **Heather Wyrick**  
Assistant to the Registrar, **Vacant**  
Administrative Assistant, **Vacant**

## Enrollment Management and Financial Aid

VP of Enrollment Management and Co-Chief Student Retention Officer, **Paul Orscheln**  
Associate VP of Enrollment Management & Director of Financial Aid, **Aimee Bristow**  
Director of Recruitment, **Kimberly Luebbering**  
Enrollment Coordinator, **Heather Maddock**  
Financial Aid Coordinator, **Teresa White**  
Financial Aid Counselor, **Sandra Coffman**  
Regional Admissions Counselor, **Lane Hume**  
Regional Admissions Counselor, **Ali Jeffers**  
Regional Admissions Counselor, **Muhle Dlamini**  
Admissions Counselor, **Stephen Campbell**  
Admissions Counselor, **Marykate Leftridge**  
Admissions Counselor, **Vacant**  
Slate CRM Administrator, **Kristy Chitwood**  
Enrollment Services Assistant, **Kinzie Rickabaugh**

## Athletics

Interim Athletic Director/ Head Men's Basketball Coach, **Todd Creal**  
Head Football Coach, **John Welty**  
Head Women's Volleyball Coach, **Dalton Tucker**  
Head Softball Coach, **Sara Stafford**  
Head Baseball Coach, **Jake Jourdain**  
Head Men's Soccer Coach, **Adam Galla**  
Head Women's Soccer Coach, **Courtney Howe**  
Head Men's Wrestling Coach, **Tony Eierman**  
Head Women's Wrestling Coach, **Mike Eierman**  
Head Men's Golf Coach & Assistant Football Coach, **Vacant**  
Head Tennis Coach, **Vacant**  
Women's Golf Coach, **Vacant**  
Cheerleading Coach, **Cortney Lee**  
Assistant Football Coach - Offensive Coordinator/ Assistant Track and Field Coach, **Elbert Kern**  
Head Cross Country Coach & Track & Field Coach, **Tyler Yunk**  
Head Women's Basketball Coach/Assistant Track Coach, **Talisha Washington**  
Director of Sports Information, **Tyler Oberlag**

## Business and Financial Affairs

Senior VP, CFO and COO, **Dr. Steve Tyrell**  
Administrative Assistant, **Michelle Vore**  
Associate VP of Business and Controller, **Jennifer Yelton**  
Associate VP of Financial Planning and Analysis, **Kristen Hulen**  
Accounting Manager, **Charity Snell**  
Administrative Accounting Assistant, **Lori Anderson-Tutt**  
Staff Accountant, **Amanda Hawkins**  
Accounts Receivable Coordinator, **Wendi Barr**  
Accounts Receivable Clerk, **Ina Henry**  
Associate VP & Chief HR Officer/Title IX Coordinator, **Mandy March**  
Human Resources Generalist, **Jessie Jones**  
Human Resources Assistant, **Emilee Bluth**

## Information Technology & Office Of Institutional Effectiveness

VP for Information Technology, **Nick Watson**  
Technology Services Manager, **Jon Knatcal**  
Systems Administrator & Network Support Specialist, **Caleb Morrow**  
Systems Administrator & Network Support Specialist, **Shaun Winters**  
Cyber Security Analyst, **Luke Polson**  
Director of Enterprise Research and Data Applications, **Ryan Smith**  
Business and Research Analyst, **Cori Tynes**  
Institutional Research and Assessment Coordinator, **Matt Knudtson**  
Mail & Printing Services Supervisor, **Donna Andrade**  
Mail & Printing Services Assistant, **Chelsea Newingham**

## Institutional Advancement

VP for Institutional Advancement, **J.R. Andrews**  
Director of Annual Fund, **Vacant**  
Director of Alumni Engagement, **Melanie Barger**  
Director of Advancement Services, **Jeni Whittington**  
Database Management Associate, **Vacant**  
Development Support Specialist, **Morgan Johns**

## Learning Opportunities Center

Assistant Dean of First Year Experience and Learning Opportunities, **Karen Tompson-Wolfe**  
Assistant Director, **Tirza Kroeker**  
Academic Support Specialist, **Stephanie Smith**  
Academic Achievement Program Coordinator and Coach, **Kelly Adams**  
Administrative Assistant, **Elizabeth Combs**

## Library

Director of Library Services, **Victoria Knight**  
Serial & Electronic Resource Coordinator, **Kathy Renner**  
Assistant Technical Services, **Lisa Williams**  
Research and Engagement Librarian, **Nancy Bond**

## Marketing & Communications

Executive Director, **Kristina Bright**  
Media & Content Strategist, **Sarah Backer**  
Director of Digital Media, **Brandon Bise**  
Web Developer, **Vacant**  
Graphic Designer & Social Media Manager, **Jennifer Litherland**

## America's National Churchill Museum

Sandra L. and Monroe E. Trout Director and Chief Curator, **Tim Riley**



Associate Director for Programming, **Dr. Nichol Allen**  
Assistant Director for Member and Fellow Relations,  
**Susan Whitmar**  
Collections Assistant, **Lena Leuci**  
Robert DeFer Archives and Collections Intern, **Kelsie Slaughter**

#### **Plant Operations**

Executive Director of Plant Operations and Security, **Jack Benke**  
Director of Security and Student Accountability Officer, **Tim Howell**  
Facilities Coordinator, **Dave Dillon**  
Head of Campus Security, **Geoff Crosby**  
Administrative Assistant/Coordinator of Events Scheduling,  
**Diane Hammerstone**  
Maintenance Technician, **Tewain Pruitt**  
Maintenance Technician, **Shannon Cave**  
Mechanical Trades Technician, **Tim Diehl**  
Maintenance Technician, **Jeremy Vandeloecht**  
Painter/Foreman, **Vacant**  
Safety & Health Compliance Coordinator, **Katey Gipson**

#### **Student Life**

VP & Dean of Student Life, **Dr. Kasi Lacey**  
Director of Residential Life, **Nicole Elliott**  
Assistant Director of Fraternity and Sorority Life, **Payton Cooley**  
Coordinator of Student Life, **Margie Lechner**  
Administrative Assistant, **Kylie Atterberry**  
Chaplain and Director of the Center for Faith & Service,  
**Rachelle Simon**  
Chaplain Resident & Coordinator of Community Engagement,  
**Logan John**  
Manager of College Bookstore, **Tony Elrod**  
Student Life Fellow, **Kristal Ramos-Irizarri**  
Student Life Fellow, **Haley Womick**  
Manager of Dining Services, **Jade Bradford**

#### **Student Success Center**

Professional Advisor, Student Success Coach, and Coordinator of the  
Early Intervention Program, **Mel Byers**  
Professional Advisor and Student Success Coach,  
**Kristine Mallonson**  
Professional Advisor and Student Success Coach, **Sierra Pultman**  
Coordinator of Integrated Student Success Technology,  
**Laura Murphy**  
Coordinator of Global Educational Services, **Jessey Reed**  
Career Development Counselor & Coordinator, **Michelle Craighead**  
Internship Coordinator, **James Kendall**  
Administrative Assistant, **Jenna Burton**

#### **Wellness Center**

Executive Director of the Wellness Center, **Kim Lorentz**  
Wellness Center Assistant, LPN, **Lori Pezold**  
Director of Counseling Services, **Kathryn Dewein**  
Student Wellness Coordinator, **Stephanie Shrewsbury**  
Counselor, **Stacey Gove-Ortmeyer**  
Counselor, **Adrienne Warren**  
Prevention Specialist, **Mandy Schick**  
Project Coordinator for OVW Grant, **Bettina Korte-Sweede**

# FACULTY

**Theresa Adams** (2003), Professor of English. B.A., Adelphi University; M.A., Ph.D., University of Wisconsin-Madison.

**Nichol Allen** (2022), Assistant Professor of Museum Studies. Assistant Professor of Museum Studies. B.S., Psychology, B.S., History, Ph.D., Southern Illinois University Carbondale.

**Rabindra N. Bhandari** (2007), Professor of Economics, John E. Simon Chair of Business. M.A., Jawaharlal Nehru University, India; M.A., Ph.D., Boston University

**Mark Boulton** (2012), Associate Professor of History, Harry S. Truman Fellow in History. B.A., University of Wales; M.A., University of Southern Mississippi; Ph.D., University of Tennessee.

**Ryan P. Brunner** (2013), Associate Professor of Psychology. B.A., University of Missouri-Columbia; M.A., Ph.D., Ohio State University.

**Barri L. Bumgarner** (2013), Associate Professor of Education. B.S.Ed., Missouri State University; M.Ed., Ph.D., University of Missouri.

**Melissa Byers** (2022), Instructor of Leadership Studies, B.A., M.Ed., Ed.S., William Woods University.

**Abby Coats** (2008), Professor of Psychology. B.S., Truman State University; M.S., Ph.D., Georgia Institute of Technology.

**Danielle Coulson** (2022), Visiting Instructor of French. B.A., The Ohio State University; M.A., University of Cincinnati; M.Ed., University of Maine; M.A., American Public University.

**Chris Cox** (2021), Instructor of Computer and Digital Technology. B.S., University of Missouri-Columbia; M.S., Bellevue University.

**Michelle Craighead** (2017), Instructor of Leadership Studies. BFA – University of Central Missouri; M.Ed., University of Missouri-Columbia.

**Todd Creal** (2020), Director of Sports Information & Associate Head Men's Basketball Coach. B.S., Illinois College; M.S., Western Illinois University.

**Clanton C.W. Dawson** (2020), Visiting Assistant Professor of Religious Studies. B.S.S., Cornell College; M.Div., Princeton; M.A., Ph.D., University of Missouri-Columbia.

**Kathryn Dewein** (2022), Counselor with the Wellness Center. B.A., M.S., Vanderbilt University; Ph.D., University of Missouri-Columbia.

**Bharat Dhital** (2018), Assistant Professor of Chemistry. B.S., Tribhuvan University; Ph.D., Bowling Green State University.

**Ashley Dodson** (2018), Assistant Professor of Leadership Studies. B.S. M.A., University of Missouri-Columbia.

**Robert Eames** (2010), Associate Professor of Business. B.S., San Diego State University; B.S., M.B.A., Columbia College; Ph.D., University of Missouri-Columbia.

**Casey Echelmeier** (2022), Visiting Instructor of Education. B.S., M.Ed., Ed.S., William Woods University.

**Nicole Elliott** (2021),

**Tami Ensor** (2018), Assistant Professor of Education. B.S., M.E., University of Missouri-Columbia; M.E. Admin, William Woods University; Ed.S. and Ed.D., University of Missouri-Columbia.

**Connie Epperson** (2020) Visiting Instructor of Health and Exercise Science. B.S., Culver-Stockton College; M.Ed., University

of Missouri-Columbia; M. Ed., Specialist in Ed, William Woods University.

**Kelli Fram** (2021), Assistant Professor of Business Administration; B.S. Columbia College; MBA, Northeastern State University.

**Adam Galla** (2017), Instructor of Health and Exercise Science. B.S.W, William Woods University; M.Ed., Central Methodist University.

**Richard Geenen** (2000), Professor of Philosophy. B.A., Northwestern University; M.A., Ph.D., University of Colorado.

**Tobias T. Gibson** (2009), Professor of Political Science. B.A., Indiana University; M.A., Ph.D., Washington University.

**Gena Goodman** (2022), Instructor of Foreign Languages and Literature. B.A., Eckerd College; M.F.A., University of Colorado-Boulder; M.A., University of Kansas.

**Amanda Gowin** (2010), Assistant Professor of Health and Exercise Science. B.S., M.Ed., Ed.D., University of Missouri-Columbia.

**Daniel Green** (2021), Visiting Assistant Professor of English, B.A., M.A., Ph.D., University of Missouri.

**Mulubrhan Haile** (2022), Visiting Assistant Professor of Mathematics. BSc., University of Asmara, Eritrea; M.A., Ph.D., Southern Illinois University Carbondale.

**Sarah Hairston** (2021), Assistant Professor of Education. B.S., Culver-Stockton College; M.Ed., Ed.S., Ph.D., University of Missouri- Columbia.

**Kenneth Hammond** (2022), Instructor of Criminal Justice. B.S., Southern Illinois University.

**Bernhard Hansert** (2002), Associate Professor of Chemistry. B.S., M.S., Ph.D., University of Freiburg, Germany.

**Sarra Hinshaw** (2022), Visiting Assistant Professor of Biology. B.S., Coastal Carolina University; Ph.D., University of Sydney, Australia.

**Dawn K. Holliday** (2011), Associate Professor of Biology. B.S., State University of New York; M.S., Southwest Missouri State University; Ph.D., Ohio University.

**Joshua Holzer** (2019), Assistant Professor of Political Science. B.A., University of Denver; M.A., Monterey Institute of International Studies; M.A., University of Southern California; Ph.D., University of Missouri-Columbia.

**Courtney Howe** (2022), Instructor of Health and Exercise Science B.A., Westminster College-Fulton; M.Ed., William Woods University-Fulton.

**Matthew Howell** (2019), Assistant Professor of Biology. B.S., Columbia College; Ph.D., University of Missouri-Columbia.

**Ingrid Ilinca** (2010), Associate Professor of French; Provost, Vice-President and Chief Academic Officer, Co-Chief Student Retention Officer, M.A., Ph.D., University of Illinois at Urbana.

**Katherine Iselin** (2020), Visiting Assistant Professor of Classics. B.F.A., Milwaukee Institute of Art and Design; M.A.P.H., M.A., University of Wisconsin. Ph.D., University of Missouri Columbia.

**Joy Jackson** (2017) Visiting Instructor of Business. B.S., Truman State University; J.D., University of Missouri-Columbia.

**Logan John** (2022), Instructor of Religious Studies. B.A., The University of North Carolina at Pembroke.

**David K. Jones** (1995), Professor of Psychology and Chief Accreditation Officer. A.B., Ph.D., University of Southern California.

**Kenneth Kehner** (2020) Visiting Instructor of Music. B.Mus., Truman State University.

**James Kendall** (2021), Internship Coordinator. B.A., M.S., Missouri State University.

**Victoria Knight** (2021). Instructor of Organizational Leadership. B.A., M.L.I.S., University of Missouri-Columbia, MO.

**Matthew Knudtson** (2021), Instructor of Political Science, Security Studies and Sociology. B.S., University of Central Arkansas; M.A., University of Missouri-Columbia.

**Zoia Kopeikin** (2017), Visiting Assistant Professor of Mathematical Sciences. B.A., M.S., Moscow State University; Ph.D., University of Missouri-Columbia.

**Tirza L. Kroeker** (2004), Assistant Professor of Learning Opportunities. B.A., Carleton College; M.Ed., University of Missouri-Columbia.

**Achyut Kulkarni** (2021), Instructor of Strategic and Sports Management. M.A., University of Hyderabad; M.Sc., Sheffield Hallam University; ABD, University of Louisville.

**Kasi Lacey** (2012), Assistant Professor of Psychology. B.A., Austin College; M.A., Ph.D., Texas Tech University.

**Anthony G. Laramore '07** (2020), Visiting Instructor of Political Science. B.A., Westminster College; J.D., Saint Louis University School of Law.

**Heidi L. LaVine** (2009), Associate Professor of English. B.A., St. Olaf College; M.A., Ph.D., University of Iowa.

**Nathaniel C. Leonard** (2013), Associate Professor of English. B.A., Kenyon College; M.A., University of York; Ph.D., University of Massachusetts.

**Allysha Martin** (2021), Associate Professor of Spanish. B.A., Union University; M.A., Middlebury College; Ph.D., University of Nebraska-Lincoln.

**Mary Majerus** (1996), Professor of Mathematics, Director of the Center for Teaching and Learning. B.S. Ed., M.Ed., University of Missouri-Columbia; Ed.D., Vanderbilt University.

**Sonia H. Manzo** (2009), Professor of Economics, McClure-Whitmarsh Professor in Economics. B.S., M.S., University of Dhaka, Bangladesh; M.B.A., University of Southern Mississippi; Ph.D., Texas A&M University.

**Allysha Martin** (2021), Associate Professor of Spanish. B.A., Union University; M.A., Middlebury College; Ph.D., University of Nebraska-Lincoln.

**Gabriel D. McNett** (2007), Professor of Biology. B.S., Ohio State University; M.S., University of California; Ph.D. University of Missouri-Columbia.

**Heather McRae** (2016), Assistant Professor of History. B.A., Furman University; M.A., University of Hawaii; Ph.D., University of Missouri-Columbia.

**James McRae** (2006), Professor of Asian Philosophy & Religion. B.A., Furman University; M.A., Ph.D., University of Hawaii.

**Therese Miller** (1999), Professor Emerita of Health and Exercise Science. B.S., Southwest Missouri University, M.A., Ohio State University; Ph.D., University of Missouri-Columbia.

**Johanna Morrow** (2018), Assistant Professor of Biology. B.A., M.H.A., Ph.D., University of Missouri-Columbia.

**Ryan Novatny** (2020), Visiting Instructor of Health and Exercise Science. B.S., University of Missouri-Columbia; M.Ed., Central Methodist University.

**Jacob Pichelmeyer** (2021), Assistant Professor of Mathematics. B.S., University of Wisconsin-Oshkosh; M.S., University of Wisconsin-Milwaukee; Ph.D., Kansas State University.

**Shelby Preston** (2022), Visiting Instructor of English. B.A., Missouri State University; M.A., University of Missouri.

**Benjamin Pruett** (2022), Instructor of English. B.S., B.A., M.A., Southeast Missouri State University.

**Sierra Pultman** (2022), Professional Academic Advisor and Student Success Coach. B.S., University of Missouri; M.A., Ohio University.

**Anisur Rahman** (2018), Assistant Professor of Finance and Economics. B.B.A., Khulna University; M.B.A., Willamette University; Ph.D. Florida International University.

**Jeremy Michael Reed** (2019), Assistant Professor of English. B.A., Valparaiso University; M.A., The University of Montana; Ph.D., The University of Tennessee-Knoxville.

**Jessey Reed** (2020), Instructor of Westminster Seminar. B.A., M.P.A., Morehead State University.

**Cindy Robb** (2022), Assistant Professor of Health & Exercise Science. B.A., Missouri Western State University; M.A., University of Denver.

**Morgan Rockett** (2022), Visiting Assistant Professor of Accounting. B.S., M.A., University of Missouri-Columbia.

**C. David Roebuck** (2018), Visiting Professor of Political Science. B.A., M.S.S., Mississippi State University; Ph.D., The University of Mississippi.

**Enrique Salas-Durazo** (2013), Associate Professor of Spanish. B.A., Whittier College; M.A., Ph.D., University of California-Riverside.

**Amanda Schick** (2021). Instructor of Westminster Seminar and Leadership Studies. B.S., M.S.Ed., William Woods University; M.S.H., University of Missouri-Columbia.

**David Schmidt** (2013), Associate Professor of Environmental Science. B.S., University of Missouri-Kansas City; M.S., Fort Hays State University; Ph.D., Texas Tech University.

**Lisa Scott** (2022). Assistant Professor of Psychology. B.S., Ph.D., Brigham Young University.

**Michelle Scott-Huffman** (2016). Instructor of Philosophy and Religious Studies. B.S., Central Missouri State University; M.Div. Eden Theological Seminary.

**Susan B. Serota** (2004), Professor of Education. B.A., University of Missouri-Columbia; M.Ed., University of Nevada; Ph.D., University of Missouri-Columbia.

**Natasia Sexton** (2009), Associate Professor of Music. M.A., Belmont University; M.A., San Jose State University; DMA, Louisiana State University.

**Rachelle Simon** (2022), Instructor of Religious Studies, B.S., Rockhurst University; M.S., Villanova University; M.Div., Boston College.

**Jenifer Smith** (2022), Visiting Instructor of Math. B.S., M.S.Ed., M.S.Ed., University of Missouri.

**Stephanie Smith** (2014), Instructor for the Learning Opportunities Center. B.S., M.Ed., William Woods University.

**Tyler Sorg** (2022), Assistant Professor of Business Communications. B.S., M.A., Purdue University at Fort Wayne.

**Nathan Stewart** (2022), B.S., Christopher Newport University; M.A., Old Dominion University; M.A., Southern New Hampshire University.

**Lauren M. Strawsine** (2019), Assistant Professor of Chemistry. B.S., Michigan State University; Ph.D., Indiana University.

**Laura Elizabeth Stumpe** (2009), Associate Professor of Physics. B. S., Florida State University; Ph.D., University of Missouri-Columbia.

**Karen Tompson-Wolfe** (1995), Assistant Dean of First Year Experience and Learning Opportunities and Assistant Professor. B.S.Ed., M.A., University of Missouri-Columbia.

**Marsha Tyson** (2019), Visiting Instructor of Education. B.S., M.S.Ed., University of Missouri-Columbia.

**Staria Vanderpool** (2014), Visiting Assistant Professor of Biology. B.S. College of the Ozarks; M.S. Arkansas State University; Ph.D. University of Oklahoma.

**Katherine Wadley** (2020), Visiting Instructor of Psychology. B.S., M.Ed., University of Missouri-Columbia.

**Talisha Washington '14** (2019), Instructor of Health and Exercise Science. B.A., Westminster College; M.Ed., William Woods University.

**Christopher Webster** (2022), Instructor of Computing and Digital Technology. B.S., Westminster College-Fulton; M.A., M.Div, Ph.D., Midwestern Baptist Theological Seminary.

**Linda Webster** (2001), Associate Dean of Faculty and Professor of Computer Science. B.S., Arkansas Tech University; M.B.A., University of Arkansas; Ph.D., University of Missouri-Columbia.

**Matthew Weinsting '15** (2019), Visiting Instructor of Mathematics. B.A., Westminster College; M.A., University of Missouri-Columbia.

**John Welty** (2022), Instructor of Health and Exercise Science. B.S., Benedictine University.

**Noel R. Wilbur** (2020), Assistant Professor of Accounting. B.A., Arizona State University; M.B.A., Ashford University.

**Linda Williams** (2016), Visiting Instructor of Education. B.S., Illinois State University; M.Ed., Southern Illinois University-Edwardsville.

**Kali Wright-Smith '04** (2013), Associate Professor of Political Science. B.A., Westminster College; M.A., Loyola University Chicago; Ph.D., Purdue University.

**Peng Peng Yu** (2015), Associate Professor of Mathematics. B.S., Beijing University; Ph.D., Dartmouth College.

**Robert Zumwalt** (1997), Visiting Assistant Professor of Chemistry. B.Sc., Southwest Missouri State University; M.Sc., Ph.D., University of Missouri.

## Faculty Emeriti

**Michael C. Amspoker** (1986), Professor Emeritus of Biology; Cameron D. Day Chair - Endowed Professorship in Biology. B.S., University of California, Davis; M.S., California State University, San Diego; Ph.D., Oregon State University.

**Linda M. Aulgur** (1999), Professor Emerita of Education. B.S., M.Ed., Ph.D., University of Missouri-Columbia.

**Terry A. Buckley** (1986), Professor Emeritus of Business Administration. B.S., Oregon State University; M.B.A., University of California-Los Angeles.

**Ben A. Budde** (1980), Professor Emeritus of Mathematics. B.A., Carleton College; M.A., University of South Florida; M.S., Ph.D., University of Wyoming.

**Clifford C. Cain** (2010), Professor Emeritus of Religious Studies. B.A., Muskingum University; M.Div., Princeton Theological Seminary; Ph.D., Rikkyo Daigaku.

**William John Carner** (2011), Professor Emeritus of Business. A.B., Drury University; M.B.A., Ph.D., University of Missouri-Columbia.

**David G. Collins** (1973), Professor Emeritus of English; B.A., M.A., University of Rhode Island; Ph.D., University of Wisconsin.

**Robert J. Cowles** (2001), Professor Emeritus of Education. B.S., Southeast Missouri State University; M.S., Ed.D., Southern Illinois University.

**George B. Forsythe** (2005), Professor Emeritus of Psychology and Leadership. B.S., United States Military Academy; MACT, Ph.D., University of North Carolina at Chapel Hill.

**Alan Goldin** (2001), Professor Emeritus of Environmental Science. B.S., Antioch College; M.A.T., Harvard University; B.S., M.S., University of Montana; Ph.D., University of British Columbia.

**Samuel H. Goodfellow** (1993), Professor Emeritus of History. B.A., Tufts University; M.A., Ph.D., Indiana University.

**Angela Grogan** (1998), Assistant Professor Emerita of Education. B.S., M.L.S., University of Missouri-Columbia.

**William F. Guinee** (1992), Professor Emeritus of Anthropology. B.U.S., University of New Mexico; M.A. (Folklore), M.A. (Religious Studies), Ph.D., Indiana University.

**Peter A. Haigh** (1974), Professor Emeritus of Economics. B.S., M.A., University of Missouri-Columbia.

**Robert N. Hansen** (1986) Professor Emeritus of Leadership Studies. B.A., M.Ed., Ph.D. University of Missouri-Columbia.

**Keith T. Hardeman** (1990), Professor Emeritus of Speech Communication. B.A., M.A., California State University-Long Beach.

**Margaret Henrichs** (1978), Professor Emerita of Reading and Learning Disabilities Program. B.S., Northwestern University; M.Ed., Ed.S., Ed.D., University of Missouri.

**Robert G. Hoerber, Jr.** (1978), Professor Emeritus of Business Administration. B.A., Westminster College; M.B.A., University of Missouri-Columbia.

**Theodore B. Jaeger** (1991), Professor Emeritus of Psychology. B.A., Washington and Lee University; M.A., Appalachian State University; Ph.D., University of Georgia.

**E. Ann Lael** (1977), Professor Emerita of Mathematics. B.S., Colorado State University; M.S., University of Wisconsin.

**Richard L. Lael** (1978), Professor Emeritus of History. B.A., Lenoir Rhyne College; M.A., Ph.D., University of North Carolina, Chapel Hill.

**John Langton** (1981), Professor Emeritus of Political Science. B.A., Albright College; Ph.D., Georgetown University.

**Jeffrey Mayne** (2000), Professor Emeritus of Biology. B.S., Massachusetts Institute of Technology Ph.D., California Institute of Technology.

**Therese Miller** (1999), Professor Emerita of Health and Exercise Science. B.S., Southwest Missouri University; M.A., Ohio State University; Ph.D., University of Missouri-Columbia.

**Kenneth R. Muse** (1982), Professor Emeritus of Sociology. B.A., DePauw University; M.A., Ph.D., University of Chicago.

**Henry F. Ottinger** (1973), Professor Emeritus of Learning Disabilities. B.A., M.A., University of Missouri-Columbia.

**Kent F. Palmer** (1976), Professor Emeritus of Physics. B.S., Ph.D., The Ohio State University.

**Carolyn J. Perry-Hunt** (1991), Professor Emerita of English. B.A., University of Missouri-Columbia; M.A., University of Nebraska; Ph.D., University of Missouri-Columbia.

**Audrey Remley** (1966), Professor Emerita of Psychology. B. S. in Education, M.A., Ph.D., University of Missouri-Columbia.

**Sharon L. Salem** (1980), Professor Emerita of Accounting. B.S., M.S., Pennsylvania State University; CPA.

**Judith C. Schaneman** (1996), Professor Emerita of French. A.B., The Colorado College; M.A., University of Wyoming; Ph.D., University of Colorado-Boulder.

**Michael Z. Williams** (1975), Professor Emeritus of Mathematics. B.A., West Texas State College; M.S., Ph.D., Colorado State University.

**William A. Young** (1975), Professor Emeritus of Religion. B.A., University of Tulsa; M.Div., McCormick Theological Seminary; Ph.D., University of Iowa.

**Wayne J. Zade** (1976), Professor Emeritus of English. A.B., University of Notre Dame; M.A., University of Wisconsin; M.F.A., University of Iowa.

Note: date in parenthesis indicates the year the individual began instruction at Westminster.

# DEPARTMENT & DIVISION CHAIRS

<b>Humanities</b>	<b>Dr. Enrique Salas-Durazo, Division Chair</b>
English	Dr. Theresa Adams
Foreign Languages and Literature	Dr. Allysha Martin
History	Dr. Mark Boulton
Philosophy and Religious Studies	Dr. James McRae
Communication and Fine Arts	Dr. Natasia Sexton

<b>Natural and Mathematical Sciences</b>	<b>Dr. Gabe McNett, Division Chair</b>
Biology and Environmental Science	Dr. Dawn Holliday
Chemistry	Dr. Bernie Hansert
Mathematics and Physics	Dr. Laura Stumpe
Computing and Digital Technology	Dr. Linda Webster

<b>Social Sciences</b>	<b>Dr. Sue Serota, Division Chair</b>
John E. Simon Department of Accounting, Business, Economics, and Finance	Dr. Sonia Manzoor
Education	Dr. Barri Bumgarner
Health & Exercise Science	Dr. Amanda Gowin
Political Science and Sociology	Dr. Tobias Gibson
Psychology and Leadership Studies	Dr. Abby Coats

## Program Directors and Program Coordinators for 2022-23

Assessment	Mr. Matt Knudtson, Coordinator
Center for Teaching and Learning	Dr. Mary Majerus, Director
Dual Degree Athletic Training	Dr. Amanda Gowin, Coordinator
Dual Degree Engineering Program	Dr. Bharat Dhital, Coordinator
Fine Arts (Humanities)	Dr. Natasia Sexton, Coordinator
First Year Experience	Prof. Karen Thompson-Wolfe, Director
Global and Transnational Studies	Dr. Kali Wright-Smith, Coordinator
Health Professions Program	Dr. Dawn Holliday, Coordinator
Leadership Studies	Prof. Ashley Dodson, Coordinator
Legal Careers Program	Dr. Tobias Gibson, Coordinator
Online Teaching Program	Dr. Tanys Nelson, Assistant Dean of Online Programs
Physical Education	Prof. Connie Epperson, Coordinator
Security Studies	Dr. Tobias Gibson, Coordinator
Teacher Education	Dr. Barri Bumgarner, Coordinator
Westminster Honors Program	Dr. Heidi LaVine, Director
Women's & Gender Studies	Dr. Kali Wright-Smith Coordinator

# BOARD OF TRUSTEES

Members of the Westminster College Board of Trustees  
2022-2023

Mr. Donald P. Lofe, Jr., President of the College and Chief Transformation Officer (on an indefinite leave of absence)

Mr. James C. Morton, Jr., Chair of the Board

Mr. James F. Bennett, Vice Chair

Mr. William D. Daniels, Vice Chair

Mr. Neal F. Perryman, Vice Chair

Vacant, Treasurer

Dr. Steve Tyrell, Board Secretary

Ms. Jessica Jones, Assistant Board Secretary

## Active Members

Ms. Barbara A. Absher

Mr. John T. Baumstark

Mr. James F. Bennett

Mr. Jeff Binder

Mr. Philip J. Boeckman

Mr. Tom Christensen

Mr. William D. Daniels

Ms. Marissa Denehy

Mr. Dan Dokovic

Mr. Warren K. Erdman

Mr. Gary Henson

Ms. Elizabeth S. Humphreys

Mr. David M. Jackson

Mr. Darren Kay

Mr. Eric Koestner

Ms. Andrea Maddox-Dallas

Mr. James C. Morton, Jr.

Mr. Kent C. Mueller

Mr. Jeffrey A. Owens

Mr. J. Christopher Panettiere

Mr. Neal F. Perryman

Mr. Robert W. Price

Ms. Leigh Reaves

Mr. Louis W. Riggs

Mr. L. Kenton Therooff

Dr. Lana A. Zerrer

Ms. Sarah Ayers, Young Trustee

Mr. Thomas Booker, Young Trustee

## Honorary Trustees and Trustees Emeriti

Ms. Jane Bell

Mr. William A. Bennett

The Honorable Jo Ann Emerson

Mr. James W. Harrod

Mr. Alan C. Henderson

Dr. Jerry D. Kennett

Mr. John R. McFarland

Mr. C. Robert Monroe

Mr. Bob Muehlhauser

Mr. John M. Panettiere

Dr. George K. Parkins

Mr. William E. Reller

Ms. Suzanne Richardson

Ms. Anne E. Schneider

Ms. Linda Gill Taylor

Mr. Lloyd B. Taylor

Mr. C. Travis Traylor

Ms. Linda D. Ward

Mr. Ronald D. Winney



# ACADEMIC CALENDAR 2022-2023

The academic calendar may be found online on [Westminster's web page](#).