Minor: COMPUTER SYSTEMS ANALYSIS MINOR

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Student's Last Name   First Name   Middle Initial

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Advisor   Date Major Declared

Course #	Title of Course	Hours Required	Semester Completed	Grade
Required Courses: 11 hours				
CBR 220	Information Security	3		
CDT 101	Computing Across the Disciplines	1		
CSA 104	Programming Logic and Design	3		
CSA 250	IT Infrastructure	4		
Electives: Students must take a minimum of 9- hours of electives from the following courses: Students Select 9 hours from the following upper-level 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	**20-21 hrs**		

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

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Advisor Signature: _____   Department Chair Signature: _____

Contact: Dr. Linda Webster, Chair   Assistant Professor: C. Cox
Email: Linda.Webster@wcmo.edu   Instructor: C. Webster
                                             Visiting Professor: R. Manfredi

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.