

<b>Computer Science</b>						
CATALOG Year 2010 - 11						revised 6/28/10
TERM TAKEN	GRADE	Completed	Sub-total HRS	hrs	DESCRIPTION	TO TAKE
			6		<b>1. Core I (Soph or &gt; transfers complete only one CT course)</b>	
				3	FYS 100 or 100H First Year Seminar	
					Critical Thinking course I (Social Science course)	
				3	Critical Thinking course II	
			18		<b>Core II (Soph or &gt; transfers complete requirements with transfer or MU courses)</b>	
				3	English 101: English Composition I	
				3	_____ English 102 or _____ English 201 (H)	
				3	CMM 103: Fund. of Speech Comm, or CMM 207 Bus & Prof Comm	
					Math (Requirement met in major)	
					Physical or Natural Science (Requirement met in major)	
				3	Social Science	
				3	Humanities	
				3	Fine Arts: _____ ART 112 _____ MUS 142 _____ THE 112	
			3		<b>Additional University Requirements</b>	
					Writing Intensive Course I (Humanities)	
					Writing Intensive Course II	
				3	Multicultural course, or International course	
			23		<b>2. Mathematics</b>	
				5	_____ MTH 132 or Equivalent if ACT MTH below 27	
				3	_____ MTH 220: Discrete Structures	
				5	_____ MTH 229: Calculus with Analytic Geometry I	
				4	_____ MTH 230: Calculus with Analytic Geometry II	
				3	_____ MTH 329: Elementary Linear Algebra (MTH 481)	
				3	_____ MTH 345: Applied Probability and Statistics	
			12		<b>3. Science (12-15 hrs) Choose any 3 sets of courses and labs (CHM 211&amp;217, or BSC 120, or PHY 201&amp;PHY 202, or PHY 211&amp;202) beginning with those listed below</b>	
				4	_____ BSC 120: Principles of Biology I or above	
				3+2	_____ CHM 211 and CHM 217: Principles of Chemistry I and Lab I or above	
				3+1	_____ GLY 200 and GLY 210L: Physical Geology and Earth Materials Lab or above	
				3/4+1	_____ PHY 201/211 and PHY 202: Principles of Physics I and Lab Methods I or above	
				4 or 5	Science II	
				4 or 5	Science III	
			12		<b>4. Business and Communication</b>	
				3	ENG 354 Scientific and Technical Writing	
				3	ENGR 221: Engineering Economy	
				3	ENGR 451 Introduction to Project Management	
				3	MGT 320: Principles of Management I	
Page Sub-total		0	74			0

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			37		<b>5. COMPUTER SCIENCE CORE</b>		
				3	CS 110: Computer Science I (F,Sp)		
				3	CS 120: Computer Science II (F,Sp)		
				4	ENGR 204: Introduction to Digital Systems (Sp)		
				3	CS 210: Algorithms Analysis and Design (F,Sp)		
				3	CS 300: Programming Languages (Sp)		
				3	CS 305: Software Engineering I (F)		
				3	CS 310: Software Engineering II (Sp)		
				3	CS 320: Internetworking (F)		
				3	CS 330: Operating Systems (F)		
				3	CS 340: Cyber Security (Sp)		
				3	CS 350: Database Engineering (Sp)		
				3	CS 490: Senior Project I (F)		
			6		<b>6. COMPUTER SCIENCE ELECTIVES</b>		
				3	CS 315: Software Quality Assurance		
				3	CS 370: Computer Graphics		
				3	CS 420: Distributed Systems		
				3	CS 440: Image Processing		
				3	CS 455: Systems Engineering		
				3	CS 460: Multimedia Systems		
				3-12	CS 475: Internship		
				3	CS 480-483: Special Topics		
				3	CS 485-488 Independent Study		
			6		<b>7. FREE ELECTIVES</b> <span style="float: right;"><b>Total 6 to 12 Hrs.</b></span>		
				3	Elective 1		
				3	Elective 2		
				3	Elective 3		
				3	Elective 4		
Page Sub-total		0	49			0	
<b>TOTAL</b>		0	<b>123</b>		A minimum of 120 hours is required for MU Graduation	0	

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