

BACHELOR OF SCIENCE in COMPUTER SCIENCE
Declared Fall 2009

GENERAL EDUCATION REQUIREMENTS (48)

Hrs.	Course	Taken	Grade
3	_____	_____	_____
3	_____	_____	_____

MUSI101 is WE

ECONOMICS or POLITICAL SCIENCE (3)

3	_____	_____	_____
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ENGLISH COMPOSITION (3)

3	_____	_____	_____
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ENGL100 is IL

LITERATURE (3)

3	_____	_____	_____
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NATURAL SCIENCES (6)

3	_____	_____	_____
3	_____	_____	_____

Courses for Science/Engineering majors such as BIOL106/107, CHEM120/121, PHYS170/171 are required. Credits beyond 6 may count as gen ed electives. or math/sci major electives

PHILOSOPHY (3)

3	_____	_____	_____
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PSYCHOLOGY (3)

3	_____	_____	_____
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SOCIOLOGY/ANTHRO/GEOGRAPHY (3)

3	_____	_____	_____
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SOCI101, ANTH101 & 102 are MC

SPEECH (3)

3	_____	_____	_____
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SPCH102 is IL, SPCH104 is WE

WELLNESS (3)

3	_____	_____	_____
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WORLD HISTORY (3)

3	_____	_____	_____
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HIST101 & 102 are MC

MATH (3)

3	MATH107	_____	_____
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Prerequisite: MATH100 or score of 9+ in Cat. 1 & 2

MATH COURSES MAY BE REQUIRED AS ELECTIVES

IF math placement score is BELOW 9 in:

- Cat. 1, MATH 009 is required as a 0 credit course
- Cat. 2, MATH100 is required as a gen ed elective
- Cat. 3, MATH112 is required as a gen ed elective
- Cat. 4, MATH113 is required as a gen ed elective

GENERAL EDUCATION ELECTIVES (6)

3	_____	_____	_____
3	_____	_____	_____

3	_____	_____	_____
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MAJOR REQUIREMENTS (72)

A GPA of 2.0 or higher is required for graduation, both overall and in the major.

MAJOR CORE (51)

RECOMMENDED COMPLETION BEFORE JUNIOR YEAR

		Hrs.	When	Taken	Grade
COMP160	Programming I	3	F&S	_____	_____
COMP161	Programming II	3	S	_____	_____
CISC200	Fundamentals of Networking	3	S	_____	_____
COMP202	Systems Programming	3	FO	_____	_____
COMP215	Assembler Language	3	S	_____	_____
CISC220	Contemporary Issues	3	F	_____	_____
COMP300	Data Structures	3	F	_____	_____
MATH141	Calculus I	3	F&S	_____	_____
	<i>Prerequisite: MATH113 or placement score of 9+ in Categories 1-4</i>				
MATH142	Calculus II	3	S	_____	_____

RECOMMENDED FOR JUNIORS & SENIORS

COMP315	Network Programming	3	SE	_____	_____
COMP400	Computer Architecture	3	SO	_____	_____
COMP405	Software Engineering (WE)	3	SO	_____	_____
COMP415	Structure of Prog. Languages	3	FE	_____	_____
COMP455	Operating Systems	3	FE	_____	_____
COMP465	Database Mgmt. Systems	3	SE	_____	_____
MATH205	Foundations of Mathematics	3	S	_____	_____
MATH211	Linear Methods	3	F	_____	_____

*Major electives are listed on the back page
 21 s.h. are required*

OVERLAY REQUIREMENTS

3 courses:	WE (writing emphasis)	_____
2 courses:	IL (information literacy)	_____
2 courses:	MC (multicultural)	_____
2 Units (28 hours):	EE (external experience)	_____

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MAJOR ELECTIVES (21)

Select 21 s.h. from the following groups as directed.

At least 6 s.h. from:

		<i>Hrs.</i>	<i>When</i>	<i>Taken</i>	<i>Grade</i>			<i>Hrs.</i>	<i>When</i>	<i>Taken</i>	<i>Grade</i>
CISC205	Web Application Development	3	SO	_____	_____	COMP410	Artificial Intelligence	3	FE	_____	_____
COMP302	Object Oriented Prog. For Business	3	FO	_____	_____	COMP460	Compiler Theory and Design	3	FE	_____	_____
COMP402	Algorithm Analysis and Design	3	SE	_____	_____	COMP480	Special Problems	3		_____	_____

At least 9 s.h. from:

Courses may not be counted for both the 6 required Gen Ed credits and for Major Elective credits

At least one course must have a MATH designation

BIOL106	Principles of Biology I	3	F	_____	_____	MATH3XX or MATH4XX					
BIOL107	Principles of Biology I	3	S	_____	_____			3		_____	_____
CHEM120	Principles of Chemistry I	4	F	_____	_____			3		_____	_____
CHEM121	Principles of Chemistry II	4	S	_____	_____						
										<i>Any courses aside from MATH316, 359, 415, 416, 493, 494</i>	
MATH 243	Calculus III	3	F	_____	_____	PHYS170	Intermediate General Physics I	4		_____	_____
MATH 244	Calculus IV	3	S	_____	_____	PHYS171	Intermediate General Physics II	4		_____	_____
						PHYS290	Electronics	4		_____	_____

Other options for remaining semester hours:

ART217	Intro to Electronic Design	3		_____	_____	CISC306	Systems Analysis and Design	3	F	_____	_____
ART308	On-line Interactive Design					COMP119	Freshman Seminar: Introduction to Computing and Problem Solving	1-3	F	_____	_____
CISC255	Database Design	3		_____	_____					<i>Students may not take COMP119 after receiving a C or better in COMP160</i>	
CISC260	Info Tech Project Mgmt.	3	F&S	_____	_____	COMP369	Internship	1-6		_____	_____
CISC304	Data & Computer Comm.	3	SO	_____	_____						