

**DIVISION OF NATURAL SCIENCES Major in COMPUTING leading to the Bachelor of Science degree Computer Science track**

**REQUIRED:**

__ Computer Science	261	(4)	Computer Science I
__ Computer Science	262	(4)	Computer Science II
__ Computer Science	281	(4)	Architecture & Assembler I
__ Computer Science	311	(3)	Theory I
__ Computer Science	361	(3)	Operating Systems
__ English	260	(3)	Technical Writing
__ Mathematics	166	(3)	Discrete Mathematics I
__ Natural Science	395	(2)	Issues in the Natural Sciences
__ Natural Science	460	(3)	Research Methods

**COMPUTER SCIENCE TRACK**

__ Computer Science	312	(3)	Theory 2
__ Computer Science	350	(3)	Communications
__ Computer Science	380	(3)	Computer Graphics 1
__ Mathematics	231	(4)	Calculus I
__ Mathematics	232	(4)	Calculus II
__ Mathematics	333	(4)	Advanced Calculus

**PLUS TRACK ELECTIVES:**

- \_\_ 6 Hours of Computer Science > CSCI 134
- \_\_ 6 Hours of Math > Math 110

**FOREIGN LANGUAGE: Not Required**

**LIBERAL STUDIES PROGRAM:** As outlined on the appropriate Liberal Studies Check Sheet.

Among **REQUIREMENTS FOR GRADUATION**, the student must have a 2.00 average in the major and must pass a comprehensive examination, planned and administered by the division or department, or successfully complete a research writing project.

**DIVISION OF NATURAL SCIENCES Major in COMPUTING leading to the Bachelor of Science degree Information Technology track**

**REQUIRED:**

__ Computer Science	261	(4)	Computer Science I
__ Computer Science	262	(4)	Computer Science II
__ Computer Science	281	(4)	Architecture & Assembler I
__ Computer Science	311	(3)	Theory I
__ Computer Science	361	(3)	Operating Systems
__ English	260	(3)	Technical Writing
__ Mathematics	166	(3)	Discrete Mathematics I
__ Natural Science	395	(2)	Issues in the Natural Sciences
__ Natural Science	460	(3)	Research Methods

**INFORMATION TECHNOLOGY TRACK**

__ Computer Science	282	(3)	Architecture & Assembler II
__ Computer Science	350	(3)	Communications
__ Computer Science	362	(3)	Systems Programming
__ Computer Science	380	(3)	Computer Graphics I
__ Computer Science	381	(3)	Computer Graphics II
__ Computer Science	451	(3)	Networking
__ Mathematics	167	(3)	Discrete Math II

**PLUS TRACK ELECTIVES:**

- \_\_ 6 Hours of Computer Science > CSCI 134
- \_\_ 6 Hours of Math > Math 110

**FOREIGN LANGUAGE: Not Required**

**LIBERAL STUDIES PROGRAM:** As outlined on the appropriate Liberal Studies Check Sheet.

Among **REQUIREMENTS FOR GRADUATION**, the student must have a 2.00 average in the major and must pass a comprehensive examination, planned and administered by the division or department, or successfully complete a research writing project.

**DIVISION OF NATURAL SCIENCES Major in COMPUTING leading to the Bachelor of Science degree Information Systems track**

**REQUIRED:**

___ Computer Science	261	(4)	Computer Science I
___ Computer Science	262	(4)	Computer Science II
___ Computer Science	281	(4)	Architecture & Assembler I
___ Computer Science	311	(3)	Theory I
___ Computer Science	361	(3)	Operating Systems
___ English	260	(3)	Technical Writing
___ Mathematics	166	(3)	Discrete Mathematics I
___ Natural Science	395	(2)	Issues in the Natural Sciences
___ Natural Science	460	(3)	Research Methods

**INFORMATION SYSTEMS TRACK**

___ Business	160	(3)	Intro Management
___ Business	235	(3)	Human Resource Management
___ Business	251	(3)	Business Statistics
___ Business/CSCI	341	(3)	Management Information Systems
___ Business	343	(3)	Database Management Systems
___ Business	361	(3)	eCommerce
___ Computer Science	451	(3)	Networking

**PLUS AT LEAST 12 HOURS FROM:**

___ Business	120	(3)	Intro to Marketing
___ Business	140	(3)	Accounting I
___ Business	150	(3)	Accounting II
___ Business	281	(3)	Business Law I
___ Business	285	(3)	Business Law II
___ Computer Science	390	(3)	ST: Data Mining
___ Economics	211	(3)	Micro Economics
___ Economics	201	(3)	Macro Economics

**FOREIGN LANGUAGE: Not Required**

**LIBERAL STUDIES PROGRAM: As outlined on the appropriate Liberal Studies Check Sheet.**

**Among REQUIREMENTS FOR GRADUATION, the student must have a 2.00 average in the major and must pass a comprehensive examination, planned and administered by the division or department, or successfully complete a research writing project.**

**DIVISION OF NATURAL SCIENCES**

**Major in COMPUTING leading to the Bachelor of Science degree Software Engineering track**

**REQUIRED:**

___ Computer Science	261	(4)	Computer Science I
___ Computer Science	262	(4)	Computer Science II
___ Computer Science	281	(4)	Architecture & Assembler I
___ Computer Science	311	(3)	Theory I
___ Computer Science	361	(3)	Operating Systems
___ English	260	(3)	Technical Writing
___ Mathematics	166	(3)	Discrete Mathematics I
___ Natural Science	395	(2)	Issues in the Natural Sciences
___ Natural Science	460	(3)	Research Methods

**SOFTWARE ENGINEERING TRACK**

___ Computer Science	312	(3)	Theory 2
___ Computer Science	343	(3)	Database Management Systems
___ Computer Science	380	(3)	Computer Graphics I
___ Computer Science	390	(3)	ST: Computer Language
___ Computer Science	391	(3)	Software Engineering I
___ Computer Science	392	(3)	Software Engineering II
___ Computer Science	451	(3)	Networking

**PLUS AT LEAST 12 HOURS FROM:**

___ Business	361	(3)	eCommerce
___ Computer Science	282	(3)	Architecture & Assembler II
___ Computer Science	350	(3)	Communications
___ Computer Science	362	(3)	Systems Programming
___ Computer Science	390	(3)	ST: Grid Computing
___ Computer Science	390	(3)	ST: Data Mining
___ Computer Science	400	(1)	Teaching Practicum 3 hrs MAX
___ Mathematics	167	(3)	Discrete Math II
___ Mathematics	231	(4)	Calculus I
___ Mathematics	232	(4)	Calculus II

**FOREIGN LANGUAGE: Not Required**

**LIBERAL STUDIES PROGRAM:** As outlined on the appropriate Liberal Studies Check Sheet.

Among **REQUIREMENTS FOR GRADUATION**, the student must have a 2.00 average in the major and must pass a comprehensive examination, planned and administered by the division or department, or successfully complete a research writing project.