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## Major in Computer Science

*Following is one suggested four-year degree plan. Students are encouraged to see their adviser each semester for help with program decisions and enrollment. Students are responsible for meeting all course prerequisites.*

*\*See the University Core requirements section of this catalog for approved list of course options.*

*\*\* See Arts and Sciences Core requirements section of catalog approved list of course options.*

### BS with a Major in Computer Science

#### FRESHMAN YEAR

FALL	HOURS
CSCI 1110, Program Development (using C++)	4
ENGL 1310, College Writing I*	3
MATH 1710, Calculus I	4
PSCI 1040, American Government*	3
Oral Communication (see degree requirements)	<u>3</u>
Total	17

#### FRESHMAN YEAR

SPRING	HOURS
CSCI 1120, Structured Programming (using C++)	4
ENGL 2700, Technical Writing*	3
MATH 2770, Discrete Structures	3
PSCI 1050, American Government*	3
Visual and Performing Arts*	<u>3</u>
Total	16

#### SOPHOMORE YEAR

FALL	HOURS
CSCI 2010, Assembly Language Programming	3
ELET 2720, Digital Logic	4
Humanities*	3
HIST 2610, United States History to 1865*	3
MATH 1720, Calculus II	3
CSCI Option	<u>3</u>
Total	19

#### SOPHOMORE YEAR

SPRING	HOURS
CSCI 3100, Computer Organization	3
CSCI 3400, Data Structures	3
Social and Behavioral Science*	3
Literature**	3
HIST 2620, United States History Since 1865*	3
MATH 1780, Introduction to Statistical Analysis	<u>3</u>
Total	18

#### JUNIOR YEAR

FALL	HOURS
CSCI 3600, Principles of Systems	3
MATH 2700, Linear Algebra or MATH 3350, Numerical Analysis or MATH 3410, Differential Equations	3
PHYS 1710, General Technical Physics	3
PHYS 1730, Lab for PHYS 1710	1
CSCI Option (advanced)	3
Wellness*	<u>3</u>
Total	16

#### JUNIOR YEAR

SPRING	HOURS
CSCI Option (advanced)	3
CSCI Option (advanced)	3
ENGL 4180, Advanced Technical Writing or ENGL 4190, Technical Editing, or ENGL 4250, Writing Technical Procedures	3
PHYS 2220, General Technical Physics	3
PHYS 2240, Lab for PHYS 2220	1
Cross-cultural, Diversity, and Global Studies*	<u>3</u>
Total	16

#### SENIOR YEAR

FALL	HOURS
CSCI 4450, Analysis of Algorithms	3
ENGL 4180, Advanced Technical Writing, or ENGL 4190, Technical Editing, or ENGL 4250, Writing Technical Procedures	3
CSCI Option (advanced)	3
Elective (advanced)	3
Natural/Life Science (see degree requirements)	<u>4</u>
Total	16

#### SENIOR YEAR

SPRING	HOURS
CSCI 4600	1
CSCI Option (advanced)	3
CSCI Option (advanced)	3
Natural/Life Sciences or Physical Sciences (see degree requirements)	4
Elective (advanced)	3
Elective (advanced)	<u>2</u>
Total	16

*Actual degree plans may vary depending on availability of courses in a given semester.*

*Some courses may require prerequisites not listed. Students may wish to use opportunities for electives to complete to complete a minor of their choice or secondary education courses for teacher certification.*

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