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 Curriculum section of this catalog for approved list of course options.
***** See College of Engineering degree requirements section of this catalog for 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
GNET 2060, Professional Presentations (may be used to satisfy Communication requirement**)	3
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*	3
Total	16

SOPHOMORE YEAR

FALL	HOURS
CSCI 2010, Assembly Language Programming	3
CSCI 3400, Data Structures	3
ELET 2720, Digital Logic	4
HIST 2610, United States History to 1865*	3
MATH 1720, Calculus II	3
Humanities*	3
Total	19

SOPHOMORE YEAR

SPRING	HOURS
CSCI 3100, Computer Organization	3
CSCI 2320, Programming Laboratory (using language other than C or C++), or CSCI 3210, Symbolic Processing, or CSCI 4250, Survey of Computer Languages	3-4
HIST 2620, United States History Since 1865*	3
MATH 1780, Introduction to Statistical Analysis	3
Literature**	3
Social and Behavioral Sciences*	3
Total	18-19

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*	3
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*	3
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 Sciences (see degree requirements)	4
Total	16

SENIOR YEAR

SPRING	HOURS
CSCI 4600, Social Implications of Computer Science	1
CSCI Option (advanced)	3
CSCI Option (advanced)	3
Natural/Life Sciences or Physical Sciences (see degree requirements)	4
Elective (advanced)	3
Elective (advanced)	2
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.***

At the time this catalog went to press, curriculum changes were in progress to remove the Literature requirement from this degree. Consult a degree program adviser for more information.