Major in Computer Engineering

*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 Engineering

FRESHMAN YEAR

FALL	HOURS
CSCI 1110, Program Development	4
ENGL 1310, College Writing I, or ENGL 1313, Computer Assisted College Writing I*	3
HIST 2610, United States History to 1865*	3
MATH 1710, Calculus I	4
PHYS 1710, Mechanics (PHYS 1710)	3
PHYS 1730, Laboratory in Mechanics	1
Total	18

SOPHOMORE YEAR

FALL	HOURS
ELET 2720, Digital Logic	4
ENGR 2405, Fundamentals of Electrical Engineering	4
GNET 2060, Professional Presentations (may be used to satisfy Communication requirement**)	3
MATH 2700, Linear Algebra and Vector Geometry	3
MATH 2770, Discrete Mathematical Structures	3
Total	17

FRESHMAN YEAR

SPRING	HOURS
CSCI 1120, Structured Programming Using C++	4
ENGL 2700, Technical Writing**	3
HIST 2620, United States History Since 1865*	3
MATH 1720, Calculus II	3
PHYS 2220, Electricity and Magnetism	3
PHYS 2240, Laboratory in Wave Motion, Electricity, Magnetism and Optics	1
Total	17

SOPHOMORE YEAR

SPRING	HOURS
CHEM 1410, General Chemistry for Science Majors	3
CHEM 1430, General Chemistry Laboratory	1
CSCE 2610, Computer Organization	3
CSCI 3400, Data Structures	3
MATH 1780, Probability Models	3
MATH 2730, Multivariable Calculus	3
Total	16

JUNIOR YEAR

FALL	HOURS
CSCE 2020, Signals and Systems	3
CSCI 3600, Principles of Systems Programming	3
CSCI 4510, Machine Structures	3
PSCI 1040, American Government*	3
Technical Elective (advanced)	3
Social and Behavioral Sciences*	3
Total	18

SENIOR YEAR

FALL	HOURS
CSCE 4910, Computer Engineering Design I	3
CSCI 4010, Software Development	3
CSCE Specialty Area (advanced)	3
Mathematics or Science Elective (advanced)	3
Visual and Performing Arts*	3
Total	15

JUNIOR YEAR

SPRING	HOURS
CSCE 3020, Fundamentals of Communication Theory	3
CSCE 3730, Reconfigurable Logic	3
ELET 3720, Electronics I	3
PSCI 1050, American Government*	3
CSCE Specialty Area (advanced)	3
Total	15

SENIOR YEAR

SPRING	HOURS
CSCE 4915, Computer Engineering Design II	3
CSCE Specialty Area Elective (advanced)	3
Cross-cultural, Diversity and Global Studies*	3
Humanities*	3
Technical Elective (advanced)	3
Wellness*	3
Total	18

Actual degree plans may vary depending on availability of courses in a given semester. Some courses may require prerequisites not listed.