

## Options for Bachelor of Science in Computer Engineering

	General	Wireless Architecture	Wireless Software
<i>Pursue Careers in</i>	<i>Computer Engineering, Digital Systems Design, Robotics, Embedded Systems, Computer Architecture, Control Systems</i>	<i>Same career opportunities as the general program with additional preparation for careers in Wireless Sensor Networks, Mobile Computing</i>	<i>Same career opportunities as the general program with additional preparation for careers in Systems Simulation, Internet Security</i>
<b>Computer Science Courses</b>	19 Hours Computer Programming Data Structure & Algorithms Social Implications of Computing	Same as General	Same as General
<b>Computer Engineering Courses</b>	36Hours	Same as General	Same as General
<b>Technical Electives</b>	16 Hours Select one elective package; Architecture Software Control Communications	16 Hours Concentration Courses in; Personal Area Networks, Wireless Sensor Networks, Mobile Computing, Digital Communications	20 Hours Concentration Courses in; System Simulation, Wireless Sensor Networks, Internet Security, Mobile Computing, Intro to Software Engineering
<b>Other Required Engineering Courses</b>	13 Hours Circuit Analysis Linear Systems Electronic Devices	Same as General	Same as General
<b>Technical Communications</b>	3 Hours	Same as General	Same as General
<b>General Education</b>	40 Hours	Same as General	Same as General
<b>Mathematics Courses</b>	29 Hours Calculus, Differential Equations, Matrix Algebra, Discrete Mathematics, Statistics	Same as General	Same as General
<b>Physics Courses</b>	16 Hours	Same as General	Same as General
<b>Science and Mathematics Electives</b>	3 Hours	Same as General	Same as General
<b>General Electives</b>	16 Hours	Same as General	12 Hours
<b>Total Hours</b>	191 Hours	191 Hours	191 Hours