

Biology (Pre-Med) Pathway

Junior Year	Senior Year
Fall Semester (11 Credit Hours)	Fall Semester (11 Credit Hours)
<p>ENG 100 Ideas & Their Expressions I (3)</p> <p>MATH 110 Pre-Calculus (4) OR MATH 131 Calculus I (4)</p> <p>BIO 101 Concepts of Biology I with lab (4)</p> <p>World Language (GCSVPS, if needed)</p>	<p>MATH 132 Calculus II (4) OR MATH 224 Probability and Statistics (4) OR MATH 231 Calculus III (4)</p> <p>CHEM 106 General Chemistry VI (3) CHEM 116 General Chemistry VI Lab (1)</p> <p>Social Science Elective (3)</p> <p>Internship</p> <p>**Additional Options available with administrative approval</p>
Spring Semester (14 Credit Hours)	Spring Semester (12-13 Credit Hours)
<p>ENG 101 Ideas & Their Expressions II (3)</p> <p>MATH 131 Calculus I (4) OR MATH 132 Calculus II (4)</p> <p>BIO 102 Concepts of Biology 2 with lab(4)</p> <p>Social Science Elective (3)</p> <p>World Language (GCSVPS, if needed)</p>	<p>ENGL 220 English Literature (3)</p> <p>CHEM 107 General Chemistry VII (3) and CHEM 117 General Chemistry VII Lab (1) OR BIO 221 General Microbiology (4)</p> <p>SPCH 250 Speech Fundamentals (3)</p> <p>Social Science or Humanities Elective (3)</p> <p>Internship</p> <p>**Additional Options available with administrative approval</p>

Engineering Pathway

Junior Year	Senior Year
Fall Semester (12 Credit Hours)	Fall Semester (13 Credit Hours)
ENG 100 Ideas & Their Expressions I (3) MATH 131 Calculus I (4) CHEM 106 General Chemistry VI (3) CHEM 116 General Chemistry VI Lab (1) GEEN 111 Engineering Colloquium I (1) World Language (GCSVPS, if needed)	ENG 220 English Literature I (3) MATH 231 Calculus III (4) PHYS 241 General Physics I (3) PHYS 251 General Physics I Lab (1) GEEN 100 Engineering Design & Ethics (2) Internship **Additional Options available with administrative approval
Spring Semester (15 Credit Hours)	Spring Semester (11-12 Credit Hours)
ENG 101 Ideas & Their Expressions II (3) MATH 132 Calculus II (4) CHEM 107 General Chemistry VII (3) CHEM 117 General Chemistry VII Lab (1) GEEN 121 Engineering Colloquium II (1) World Language (GCSVPS, if needed)	Math 431 Intro to Differential Equation (3) PHYS 242 General Physics II (3) PHYS 252 General Physics II Lab (1) ECEN 101 Engineering Problem Solving with MATLAB (3) or MEEN 104 Graphics for MEEN (2) or CHEN 218 Analysis of Chemical Process Data (3) SPCH 250 Speech Fundamentals (3) Internship **Additional Options available with administrative approval

Renewable Energy and Sustainability Pathway

Junior Year	Senior Year
Fall Semester (12 Credit Hours)	Fall Semester (13 Credit Hours)
ENG 100 Ideas & Their Expressions I (3) MATH 131 Calculus I (4) CHEM 106 General Chemistry VI (3) CHEM 116 General Chemistry VI Lab (1) GEEN 111 Engineering Colloquium I (1) World Language (GCSVPS, if needed)	MATH 231 Calculus III (4) ENG 220 English Literature I (3) BIO 101 Concepts of Biology (4) GEEN 100 Engineering Design and Ethics (2) Internship **Additional Options available with administrative approval
Spring Semester (15 Credit Hours)	Spring Semester (11-12 Credit Hours)
ENG 101 Ideas & Their Expressions II (3) MATH 132 Calculus II (4) CHEM 107 General Chemistry VII (3) CHEM 117 General Chemistry VII Lab (1) GEEN 121 Engineering Colloquium II (1) World Language (GCSVPS, if needed)	CHEM 221 Organic Chemistry (3) CHEM 223 Organic Chemistry Lab (2) or PHYS 241 General Physics (3) PHYS 242 General Physics Lab (1) GEEN 161 Computer Programming in MatLab (2) MEEN 260 Materials Science (2) CAEE 232 Engineering Solid Mechanics I (3) Internship **Additional Options available with administrative approval

Information Technology Pathway

Junior Year	Senior Year
Fall Semester (11 Credit Hours)	Fall Semester (13 Credit Hours)
ENG 100 Ideas & Their Expressions I (3) MATH 110 Pre-Calculus (4) OR MATH 131 Calculus I (4) BIO 101 Concepts of Biology I with lab (4) World Language (GCSVPS, if needed)	ENG 101 Ideas & Their Expressions II (3) CST 120 Fundamentals of Technology (3) OR CST 130 Intro to Unix/Linux CST 112 Electric Circuits I with lab (4) Social Science Elective (3) Internship **Additional Options available with administrative approval
Spring Semester (14 Credit Hours)	Spring Semester (13 Credit Hours)
MATH 131 Calculus I (4) OR MATH 224 Probability and Statistics (4) BIO 102 Concepts of Biology II with lab (4) Social Science or Scientific Reasoning Elective (3) World Language (GCSVPS, if needed)	ENGL 220 English Literature (3) CST 140 Intro to Computer Programming with lab (4) SPCH 250 Speech Fundamentals (3) Social Science or Humanities Elective (3) Internship **Additional Options available with administrative approval