## Required Courses

<table>
<thead>
<tr>
<th>Semester I (Fall)</th>
<th>Credit Hours</th>
<th>Prerequisite (Corequisite)</th>
<th>Term Offered</th>
<th>Available Online</th>
<th>Grade / Term Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>COLL 1000 First Year Seminar</td>
<td>1</td>
<td></td>
<td></td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>ENGL 1010 English Composition I</td>
<td>3</td>
<td>Satisfactory test scores or completion of corequisite requirements</td>
<td></td>
<td>Yes</td>
<td></td>
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<tr>
<td>ENST 1350 Industrial Safety</td>
<td>3</td>
<td></td>
<td></td>
<td>No</td>
<td></td>
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<tr>
<td>EVST 1001 Orientation to Water Operations</td>
<td>1</td>
<td></td>
<td></td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>EVST 1210 Regulation &amp; Compliance</td>
<td>2</td>
<td></td>
<td></td>
<td>No</td>
<td></td>
</tr>
<tr>
<td>MATH 1710 Precalculus Algebra</td>
<td>3</td>
<td>HS algebra I and II and ACT math score of at least 22 and an ACT reading score of at least 19 or equivalent math and reading scores or MATH 1030 or equivalent course</td>
<td></td>
<td>Yes</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Semester II (Spring)</th>
<th>Credit Hours</th>
<th>Prerequisite (Corequisite)</th>
<th>Term Offered</th>
<th>Available Online</th>
<th>Grade / Term Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1110 General Chemistry I</td>
<td>4</td>
<td>ACT math score of at least 22 or MATH 1130 or MATH 1710 or MATH 1730</td>
<td></td>
<td>No</td>
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</tr>
<tr>
<td>ENST 1310 Computers in Engineering Technology</td>
<td>3</td>
<td></td>
<td></td>
<td>No</td>
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</tr>
<tr>
<td>EVST(^1) Environmental Science Technology Sequence</td>
<td>3</td>
<td></td>
<td></td>
<td>No</td>
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<tr>
<td>EVST 1410 Water Facilities &amp; Maintenance</td>
<td>3</td>
<td>(ENST 1350)</td>
<td></td>
<td>No</td>
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<tr>
<td>MATH 1720 Precalculus Trigonometry</td>
<td>3</td>
<td>MATH 1710 or consent of mathematics department</td>
<td></td>
<td>Yes</td>
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</table>

<table>
<thead>
<tr>
<th>Semester III (Fall)</th>
<th>Credit Hours</th>
<th>Prerequisite (Corequisite)</th>
<th>Term Offered</th>
<th>Available Online</th>
<th>Grade / Term Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHEM 1120 General Chemistry II</td>
<td>4</td>
<td>CHEM 1110</td>
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<td>No</td>
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<tr>
<td>ENGL 2950 Business &amp; Technical Writing</td>
<td>3</td>
<td>ENGL 1010</td>
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<tr>
<td>EVST(^1) Environmental Science Technology Sequence</td>
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<td>No</td>
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<tr>
<td>METC 1320 Fluid Mechanics</td>
<td>3</td>
<td>MATH 1710 or MATH 1730</td>
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<td>No</td>
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<tr>
<th>Semester IV (Spring)</th>
<th>Credit Hours</th>
<th>Prerequisite (Corequisite)</th>
<th>Term Offered</th>
<th>Available Online</th>
<th>Grade / Term Completed</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 2130 Microbiology</td>
<td>4</td>
<td>BIOL 1110 or BIOL 2010 or CHEM 1010 or CHEM 1110</td>
<td></td>
<td>Yes</td>
<td></td>
</tr>
<tr>
<td>EETC 2331 PLC I</td>
<td>3</td>
<td>EETC 1313 and EETC 1314 or EETC 1350 or consent of program coordinator</td>
<td></td>
<td>No</td>
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<tr>
<td>EVST 2390 Capstone</td>
<td>3</td>
<td>Must be taken in the final semester and with consent of program coordinator</td>
<td></td>
<td>No</td>
<td></td>
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<tr>
<td>HUM(^2) Humanities/Fine Arts Elective</td>
<td>3</td>
<td></td>
<td></td>
<td>Yes</td>
<td></td>
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<tr>
<td>SBS(^2) Social/Behavioral Sciences Elective</td>
<td>3</td>
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<td></td>
<td>Yes</td>
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</tr>
</tbody>
</table>

**Total Credit Hours Needed for Graduation: 60-61**

\(^1\)EVST

Complete the sequence of courses based upon the focus area of interest:
- Water Operations focus EVST 2110 and EVST 2150 and EVST 2180
- Wastewater Operations focus EVST 2210 and EVST 2220 and EVST 2270

\(^2\)HUM/FA / SBS

See the list of General Education electives below.

03-28-2019 aa
2019-2020 General Education Electives by Category

♦ This is a General Education course transferable within the Tennessee Board of Regents System.
★ This course is directly equivalent to a course at the University of Tennessee, Knoxville.

Mathematics
- MATH 1010 - Math for General Studies ♦★
- MATH 1050 - Trigonometric Applications ♦
- MATH 1130 - College Algebra ♦★
- MATH 1530 - Introductory Statistics ♦★
- MATH 1630 - Finite Mathematics ♦★
- MATH 1710 - Precalculus Algebra ♦★
- MATH 1720 - Precalculus Trigonometry ♦★
- MATH 1730 - Precalculus ♦★
- MATH 1830 - Applied Calculus ♦★
- MATH 1910 - Calculus I ♦★

Humanities/Fine Arts
- ART 2010 - Art History Survey I ♦★
- ART 2020 - Art History Survey II ♦★
- ENGL 2035 - Introduction to Fiction ♦★
- ENGL 2055 - African-American Literature ♦★
- ENGL 2110 - Early American Literature ♦★
- ENGL 2120 - Modern American Literature ♦★
- ENGL 2150 - Appalachian Literature ♦
- ENGL 2210 - Early British Literature ♦★
- ENGL 2220 - Modern British Literature ♦★
- ENGL 2310 - Early World Literature ♦★
- ENGL 2320 - Modern World Literature ♦★
- ENGL 2510 - Introduction to Poetry ♦★
- ENGL 2520 - Introduction to Drama ♦★
- ENGL 2860 - Introduction to Film ♦★
 (ENGL 2860 will not fulfill a literature elective.)
- MUS 1030 - Music Appreciation ♦★
- MUS 1035 - History of Jazz ♦
- PHIL 1030 - Introduction to Philosophy ♦★
- PHIL 1040 - Introduction to Ethics ♦★
- PHIL 1300 - Critical Thinking ♦★
- PHIL 1500 - Philosophy & Film ♦
- PHIL 2200 - Introduction to World Religions ♦★
- PHO 1200 - History of Photography ♦
- THEA 1030 - Introduction to Theatre ♦★

Natural Sciences
- BIOL 1110 - General Biology I ♦★
- BIOL 1120 - General Biology II ♦★
- BIOL 2100 - Human Anatomy & Physiology I ♦★
- BIOL 2100 - Human Anatomy & Physiology II ♦★

- BIOL 2310 - General Botany I ♦★
- BIOL 2320 - General Botany II ♦★
- CHEM 1010 - Introductory Chemistry I ♦★
- CHEM 1020 - Introductory Chemistry II ♦★
- CHEM 1050 - Concepts of Chemistry ♦
- CHEM 1110 - General Chemistry I ♦★
- CHEM 1120 - General Chemistry II ♦★
- GEOL 1040 - Physical Geology ♦★
- GEOL 1050 - Historical Geology ♦★
- GEOL 1300 - Environmental Science W/Lab ♦★
- PHYS 1070 - Concepts of Physics ♦
- PHYS 2100 - Non-Calculus Physics I ♦★
- PHYS 2100 - Non-Calculus Physics II ♦★
- PHYS 2110 - Calculus Based Physics I ♦★
- PHYS 2120 - Calculus Based Physics II ♦★

Social/Behavioral Sciences
- AAST 2200 - African-American Studies ♦★
- ANTH 1230 - Introduction to Cultural Anthropology ♦★
- ECON 2100 - Principles of Macroeconomics ♦★
- ECON 2200 - Principles of Microeconomics ♦★
- GEOG 1000 - Introduction to Geography ♦
- PHED 1100 - Concepts of Wellness ♦
- POLS 1010 - Introduction to Political Science ♦★
- POLS 1030 - American Government ♦★
- PSYC 1030 - Introduction to Psychology ♦★
- PSYC 2100 - Psychology of Human Development ♦★
- PSYC 2120 - Social Psychology ♦
- PSYC 2130 - Lifespan Psychology ♦★
- PSYC 2210 - Biological Basis of Behavior ♦
- SOCI 1010 - Introduction to Sociology ♦★
- SOCI 1040 - Social Problems ♦★
- WGST 2050-Introduction to Women/Gender Studies★

Revised: March 28, 2019 for AAS Checklists