# B.S. IN ENVIRONMENTAL ENGINEERING <br> CATALOG YEAR 2017-2018 

Below is the advised sequence of courses for this degree program and prerequisites as of 3/07/17.
The official degree requirements and prerequisites can be found in the University General Catalog and the prerequisites are subject to change.

| COURSE NUMBER AND TITLE | UNITS | PREREQUISITES |
| :---: | :---: | :---: |
| $1^{\text {ST }}$ SEMESTER |  |  |
| MATH 122A/B or MATH 125 Calculus I with Applications | 5/3 | Appropriate Math Placement |
| CHEM 151 General Chemistry I or CHEM 105A/ 106A | 4 | Appropriate Math Placement |
| ENGL 101 or 107 or 109H First-Year Composition | 3 |  |
| ENGR 102A/B Introduction to Engineering or ENGR 102 | 3 | Completion or concurrent enrollment in MATH 122B or 125 |
| Tier I General Education | 3 |  |
| $2^{\text {ND }}$ SEMESTER |  |  |
| MATH 129 Calculus II | 3 | MATH 122B or 125 with C or better |
| CHEM 152 General Chemistry II or CHEM 105B/106B or MSE 110 | 4 | CHEM 151 or 105A/106A |
| AME 105 Introduction to MATLAB I | 1 | Completion or concurrent enrollment in MATH 122B or 125 |
| ENGL 102 or 108 or 109H First-Year Composition | 3 | ENGL 101 or ENGL 107 |
| PHYS 141 Introductory Mechanics or PHYS 161H | 4 | MATH 122B or 125 or appropriate Math Placement Level |
| Tier I General Education | 3 |  |
| $3^{\text {RD }}$ SEMESTER |  |  |
| CHEE 201 Elements of Chemical Engineering I and CHEE 201L Elements of Chemical Engineering I Computational Lab (Fall Only) | $\begin{aligned} & 3 \\ & 1 \end{aligned}$ | MATH 122B or 125, CHEM 152, CHEE 201L: Completion or concurrent enrollment MATH 129, CHEM 152 or 105B/106B |
| MATH 223 Vector Calculus | 4 | MATH 129 with C or better |
| AME 205 Introduction to MATLAB II | 1 | AME 105 |
| CHEM 241A Lectures in Organic Chemistry or CHEM 242A or CHEM 246A | 3 | CHEM 152 or 105B/106B |
| CHEM 243A Organic Chemistry Laboratory or CHEM 247A | 1 | CHEM 152 or 105B/106B; Prerequisites or concurrent in CHEM 241A or CHEM 242A or CHEM 246A. |
| CHEE 295E Careers in Environmental Engineering | 1 |  |
| ENVS 200 Introduction to Soil Science | 3 | CHEM 151 |
| $4^{\text {TH }}$ SEMESTER |  |  |
| CHEE 202 Elements of Chemical Engineering II (Spring Only) | 4 | CHEE 201, 201L, Prerequisite or concurrent enrollment in MATH 254 |
| CHEE 370R Environmental and Water Engineering | 3 | CHEE 201 and (CHEM 241A or 242A or 246A) and (CHEM 243A or 247A) or Adv. Standing Engineering |
| MATH 254 Intro to Ordinary Differential Equations | 3 | MATH 129 or 223 with C or better |
| PHYS 241 Introductory Electricity and Magnetism or PHYS 261H | 4 | PHYS 141 or 161 H ; MATH 129; MATH 223 is recommended not required |
| ENGR 211C Engineering Science Module - Statics | 1 | PHYS 141 and MATH 129 are recommended but not required |


*Tier I and II General Education Courses must meet University general education requirements. One course must be recognized by the university as meeting the Diversity Requirement.

