Environmental Engineering – Program Map – 2016-17

First Year

- MATH 021 Calc for Sci & Engr
- PHYS 008 Intro Physics I
- CHEM 002 Intro to Chem I
- CORE 001 The World at Home

Second Year

- MATH 022 Calc II for Sci & ENGR
- PHYS 009 Intro Phys II
- CHEM 010 Intro to Chem II
- General Education

Third Year

- MATH 023 Vector Calculus
- ENGR 057 Statics & Dynamics
- ENGR 020 Intro to Environmental Science & Tech
- MATH 032 Probability & Stats
- ME 021
- WRI 010 College Wri & Comp

Fourth Year

- MATH 024 Lin Algebra/Diff Equations
- ENVE 020 Intro to Environmental Science & Tech
- MATH 032 Probability & Stats
- Science Course
- Choose 1 from: BIO 001, BIO 005, ESS 001, ESS 005

Fifth Year

- ENVE 100 Environmental Chemistry
- ENVE 110 Hydrology & Climate
- ENGR 120 Fluid Mechanics
- Earth Systems Science Course

Sixth Year

- Engineering Fundamental
- ENVE 160 Sustainable Energy
- Engineering Fundamental
- ENVE 18X (F) Field Methods
- Environmental Biology Course

Seventh Year

- ENVE 130 Meteorology & Air Pollution
- General Education
- ENGR 155 Engr Econ Analysis
- Upper Division Writing

Eighth Year

- ENVE 190 ENVE Capstone Design
- Technical Elective
- Technical Elective
- General Education
- ENGR 191 Professional Sem.

Notes:
- ENGR Fundamentals - Minimum 18 units
  ENGR 057, 120, & 155 required
  The remaining 7 units may be chosen from:
  ENGR 045, 065, 130, 151, 180
- ENVE Technical Electives – Minimum 15 units
  Choose 1 – Environmental Biology course (ESS 105, 120, 124, 148, 149)
  Choose 1 – Earth Systems Science course (ESS 103, 105, 112, 170)
  Choose 1 – Environmental Engineering Field Method (ENVE 181, 182, 183, 184)
  The remaining units may be chosen from:
  ENVE 105, 114, 116, 118, 121, 132, 140, 152, 155, 162, 164, 170, 171, 176, ENGR 097/197 or ENVE 195 (max 4 units), ENGR 180

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