Environmental Engineering – Program Map – 2012-13

First Year
- MATH 021 Calc for Sci & Engr
- PHYS 008 Intro Physics I
- CORE 001 The World at Home
- CSE 020

Semester 3
- MATH 022 Calc II for Sci & ENGR
- PHYS 009 Intro Phys II
- CHEM 002 Intro to Chem I
- CSE 021

Semester 4
- MATH 023 Vector Calculus
- ENGR 057 Statics & Dynamics
- CHEM 010 Intro to Chem II
- WRI 010 College Wri & Comp.

Semester 5
- MATH 024 Lin Algebra/Diff Equations
- ENVE 020 Intro to Environmental Science & Tech
- BIO 001 Contemp. Bio.
- MATH 032 Probability & Stats

Semester 6
- ENVE 100 Environmental Chemistry
- ENVE 110 Hydrology & Climate
- ENGR 120 Fluid Mechanics
- ENVE 130 Meteorology & Air Pollution

Semester 7
- Engineering Fundamentals
- ENVE 160 Sustainable Energy
- Engineering Fundamentals
- ENVE 18X (F) Field Methods

Semester 8
- ENVE 190 ENVE Capstone Design
- Technical Elective
- Technical Elective
- General Education
- ENGR 191 Professional Sem.
- ENGR 155 Engr Econ Analysis

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
  - 1 – Environmental Biology course (ESS 105, 120, 124, 148, 149)
  - 1 – Earth Systems Science course (ESS 103, 105, 112, 170)
  - 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 180

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