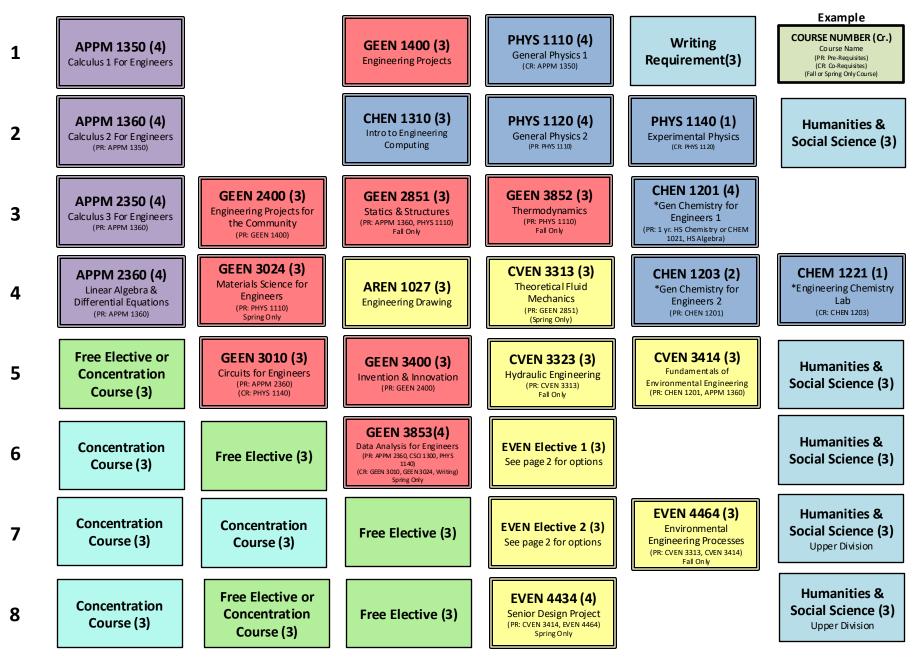
INTEGRATED DESIGN ENGINEERING *Environmental Emphasis* – *FALL* 2022



Effective: Fall 2022

Integrated Design Engineering Curriculum

Environmental Engineering Emphasis

Standard Course Substitutions

- APPM 1350: MATH 1300
- APPM 1360: MATH 2300
- APPM 2350: MATH 2400
- APPM 2360: MATH 2130 and MATH 3430
- AREN 1027: CVEN 1027, GEEN 1017, MCEN 1025
- *CHEN 1201: CHEN 1211, MCEN 1024 (CHEM 1113 approved for transfer students)
 - 30 total science credits are required. If alternate courses are taken, additional science credits are required to reach 30.
- CHEN 1310: ASEN 1320, CSCI 1320, CSCI 1300, ECEN 1310 approved for transfer students
- CVEN 3313: CHEN 3200, MCEN 3021
- EVEN 4434: CVEN 4434
- EVEN 4464: CVEN 4464
- GEEN 2851: CVEN 2121, MCEN 2023
- GEEN 3010: ECEN 3010
- GEEN 3024: ASEN 1022, MCEN 2024
- GEEN 3852: ASEN 2110, EVEN 3012, CHEN 3320, MCEN 3012
- GEEN 3853: MCEN 3047

EVEN Electives

- CVEN 3424: Water & Wastewater Treatment (Spring Only)
- CVEN 3434: Introduction to Applied Ecology (Spring Only)
- CVEN 4333: Engineering Hydrology
- CVEN 4474: Hazardous & Industrial Waste Management
- EVEN 4404 or CVEN 4404: Water Chemistry (Fall Only)
- EVEN 4484: Introduction to Environmental Microbiology (Spring Only)
- MCEN 4131: Air Pollution Control Engineering (Spring Only)

Humanities & Social Science Electives/Writing Requirements

Visit the college's <u>Humanities, Social Sciences, and Writing Requirements</u> webpage for options.

Grade Requirements

The minimum passing grade for a prerequisite or co-requisite course within the Civil Engineering Emphasis is a C-. This requirement includes courses completed in another program or department (APPM, PHYS, etc.). The minimum passing grade for standalone classes is a **D**-. In addition, students need to have a cumulative and major GPA of at least 2.000 in order to graduate from the College of Engineering. **Pass/Fail** is only permitted for up to 16 Free Elective credits.