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**First Year**

**Sophomore Year**

**Junior Year**

**Senior Year**

**Graduation Requirements**

1. ENE Major
2. > 130 Credits
3. 2 ENE/CIE Design Electives
4. University Discovery Courses
5. University Writing Intensive Courses
6. Overall GPA > 2.00
7. GPA in Engineering Courses > 2.00

**Notes**

1. A continuous line symbolizes a prerequisite, a dashed line symbolizes a co-requisite, an asterisk symbolizes a "writing-intensive" course.
2. Courses with a solid triangle in the upper left indicate a course on the critical path. Delaying or failing these courses may delay graduation.
3. If MATH 418 is taken in Fall of the first year, all MATH courses move back one semester. Credit for Math 418 cannot be used towards the cumulative credits (> 130) needed for graduation.
4. No ENE or CIE 600 level course may be taken until the following is true:
   - The student has achieved a cumulative average of > 2.00 for the double boxed courses.
   - The student has an overall GPA of > 2.00.

**Biological Science = ENE 756**

**Physical Science = PHYS 407**

**Enviro. Tech. in Soc. = ENE 520**

**Discovery in Disciplines**

- FPA
- HP
- SS
- Huma
- WC
- Inquiry Met (__________)

- Biological Science = ENE 756
- Physical Science = PHYS 407
- Enviro. Tech. in Soc. = ENE 520
**How to Fill Out Course Boxes**

When a course is planned, indicate the semester in the lower, left-hand corner. (Here Fall, 2004)

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When the student is currently enrolled in the course, indicate this with a single slash in the upper, right-hand corner.

When the course is completed, finish the upper, right-hand corner and add the grade to the lower, right-hand corner.

**Public Health and Geospatial Science Electives**

- CIE 796 GIS in Water Resources 4 Cr
- NR 757 Remote Sensing of the Env. 4 Cr
- NR 760 GIS in Natural Resources 4 Cr
- NR 782 Monitoring Forest Health 4 Cr

**Hydraulics Electives**

- CIE 741 Open Channel Flow 3 Cr
- 745 Engineering Hydrology 3 Cr
- 755 Pressured Water Systems 4 Cr
- 757 Coastal Engineering 3 Cr
- 758 Stormwater Man. Designs 4 Cr
- 759 Stream Restoration 3 Cr

**Environmental and Civil Engineering Non-Design Electives**

- ENE 708 Indus. Process and Design 4 Cr
- 743 Enviro. Sampling and Analysis 4 Cr
- 747 Marine Pollution 4 Cr
- CIE 741 Open Channel Flow 3 Cr
- 745 Engineering Hydrology 3 Cr
- 750 Ecohydrology 3 Cr
- 755 Pressured Water Systems 4 Cr
- 757 Coastal Engineering 3 Cr
- 758 Stormwater Man. Designs 4 Cr
- 759 Stream Restoration 3 Cr
- 766 Geo environmental Eng. 3 Cr
- OE 710 Ocean Measurements Lab 4 Cr

**Environmental and Civil Engineering Design Electives**

- ENE 748 Solid and Haz. Waste Design 4 Cr
- CIE 755 Pressured Water Systems 4 Cr
- 758 Stormwater Man. Designs 4 Cr
- 759 Stream Restoration 3 Cr
- 781 Green Building Design 3 Cr
- 797 Asset Management 4 Cr

**Hydrology Electives**

- ESCI 705 Principles of Hydrology 4 Cr
- 710 Groundwater Hydrology 4 Cr
- 745 Engineering Hydrology 3 Cr
- 750 Ecohydrology 3 Cr

Note: If a course from this list is taken to satisfy the Hydraulics Elective, it cannot be used as a non-design elective.

Note: Any course that is a design elective may be used as a non-design elective but, it cannot be used as both a design and non design elective.

Note: If CIE 745, or 750 are taken to satisfy the Hydrology Elective, they cannot be used as a non-design elective.

Note: Other courses (e.g. in sustainable design) may be acceptable if approved by the ENE Faculty.