

Discovery in Disciplines

- Fine and Performing Arts
- Historical Perspectives
- Social Science
- Humanities
- World Cultures
- Biological Science = ENE 656
- Physical Science = PHYS 407
- Enviro. Tech. in Soc. = ENE 520

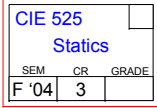
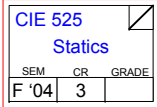
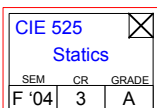
Notes

1. A continuous line symbolizes a prerequisite, a dashed line symbolizes a corequisite, 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.
4. No ENE or CIE 600 level course may be taken until the following is true:
 - The student has achieved an average grade of ≥ 2.00 in all double boxed courses taken.
 - The student has an overall GPA of ≥ 2.00 .

Graduation Requirements

1. ENE Major
2. ≥ 128 Credits
3. ENE/CIE Design Elective
4. University Discovery Courses
5. University Writing Intensive Courses
6. Overall GPA ≥ 2.00
7. GPA in Engineering Courses ≥ 2.00

How to Fill Out Course Boxes

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

Technical Electives

CIE 526 Strength of Materials	3 Cr
CHE 501 Introduction to Chemical Eng.	3 Cr
502 Introduction to Chemical Eng.	3 Cr
703 Mass Transfer & Stage Oper.	3 Cr
707 Chemical Eng. Kinetics	3 Cr
761 Biochemical Engineering	4 Cr
CHEM 517 Quantitative Analysis	4 Cr
ESCI 705 Principles of Hydrology	4 Cr
654 Fate and Transport	4 Cr
501 Introduction to Oceanography	4 Cr
741 Geochemistry	4 Cr
ECE 537 Introduction to Electrical Eng.	4 Cr
EREC 708 Environmental Economics	4 Cr
GEOG 658 Introduction to GIS	4 Cr
760 GIS and Natural Resources	4 Cr
MATH 740 Intl Stat & Dsgn of Exper.	4 Cr
744 Design of Experiments II	4 Cr
ME 503 Thermodynamics	3 Cr
NR 501 Introduction to Soil Science	4 Cr
604 Watershed Hydrology	4 Cr
607 Soil and Land Evaluation	4 Cr
OE 690 Introduction to Ocean Eng.	4 Cr
744 Corrosion	4 Cr
754 Ocean Waves and Tides	4 Cr
PHYS 408 General Physics II	4 Cr
Note: Other appropriate technical electives in science or engineering can be used with permission of advisor.	

Hydraulics Elective

CIE 741 Open Channel Flow	3 Cr
755 Pressured Water Systems	4 Cr
758 Stormwater Man. Designs	4 Cr
759 Stream Restoration	3 Cr

Engineering Laboratory Electives

CIE 665 Soil Mechanics	4 Cr
ENE 709 Fundamentals of Air Pollution	4 Cr
743 Enviro. Sampling and Analysis	4 Cr
OE 710 Ocean Measurements Lab	4 Cr

Environmental and Civil
Engineering Design Electives

ENE 740 Public Health Engineering	3 Cr
748 Solid and Haz. Waste Design	4 Cr
CIE 755 Pressured Water Systems	4 Cr
758 Stormwater Man. Designs	4 Cr
760 Foundation Design I	4 Cr

Note: If CIE 755 or 758 is taken as the alternative in the spring semester of the junior year it cannot be used as a design elective.

Environmental and Civil
Engineering Non-Design Electives

ENE 708 Indust. Process and Design	4 Cr
709 Air Pollution	4 Cr
747 Marine Pollution	4 Cr
751 Sustainable Engineering	3 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 Geoenvironmental Eng.	3 Cr

Note: If CIE 741, 755, 758 or 759 is taken as the alternative in the spring semester of the junior year, it cannot be used as a non-design elective.