

Pathway Courses

Students interested in engineering have the opportunity to enroll in appropriate mathematics and science courses during their first two years of study. Upon completing this pathway, successful students will be prepared to transfer to an engineering school. The following is a suggested course of study. The engineering advisor can help each student develop an individualized program.

Chemistry

CHEM 111+12+13 General Chemistry I,II,III 5+5+5

Mathematics

MATH 131+132 Calculus I,II 4+4
MATH 265 Elementary Linear Algebra 4
MATH 267 Multivariable Calculus 5
MATH 269 Elementary Differential Equations 4

Information Systems

INFS 115 Intro to Computer Programming 4

Physics

PHYS 111+12+13 General Physics I,II,III 4+4+4
PHYS 265 Calculus Applications for Physics 3
PHYS 280 Physical Science Research 1
PHYS 290 Sophomore Seminar 0.5

Written & Oral Communication

COMM 105 Communication & Public Speaking 4
ENGL 101+102 College English 4+4

Sample Two-Year Program

The following plan illustrates a two-year program for a well-prepared student.

The engineering advisor can help each student develop an individualized program. Some students may find a decelerated program to be more manageable.

| First Year | F | W | S |
|-----------------------------------|-----------|-------------|-----------|
| General Chemistry I,II,III | 5 | 5 | 5 |
| Calculus I,II | 4 | 4 | - |
| Elementary Linear Algebra | - | - | 4 |
| Intro to Computer Programming | - | - | 4 |
| College English I, II | 4 | 4 | - |
| General Education/Electives | 3 | 3 | 3 |
| | 16 | 16 | 16 |
| Second Year | F | W | S |
| General Physics I,II,III | 4 | 4 | 4 |
| Multivariable Calculus | 5 | - | - |
| Elementary Differential Equations | - | 4 | - |
| Physical Science Research | - | - | 1 |
| Sophomore Seminar | - | 0.5 | - |
| Communication & Public Speaking | 4 | - | - |
| Calculus Apps for Physics | - | - | 3 |
| General Education/Electives | 3 | 8 | 8 |
| | 16 | 16.5 | 16 |

For More Information

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