# Engineering Science (ESC) 5 Semester Degree Map

## Year 1

### Semester 1
- **ENG 100.5** Intensive English Composition (3 credits)
- **MAT 206.5** Intermediate Algebra and Precalculus (4 credits)
- **SPE 100** Fundamentals of Public Speaking (3 credits)

### Semester 2
- **ENG 201** Introduction to Literature (3 credits)
- **XXX xxx** U.S. Experience in Its Diversity (3 credits)
- **MAT 301** Calculus I (4 credits)
- **CHE 201** College Chemistry I (4 credits)

## Year 2

### Semester 3
- **SCI 120** Computer Methods in Science (4 credits)
- **MAT 302** Calculus II (4 credits)
- **CHE 202** College Chemistry II (4 credits)
- **PHY 215** University Physics I (4 credits)

### Semester 4
- **XXX xxx** Individual and Society (3 credits)
- **ESC 113** Computer Aided Analysis for Engineering (2 credits)
- **ESC 111** Elements of Engineering Design (1 credit)
- **PHY 225** University Physics II (4 credits)

### Semester 5
- **MAT 501** Ordinary Differential Equations (3 credits)

## Year 3

### Semester 6
- **XXX xxx** World Cultures and Global Issues (3 credits)
- **XXX xxx** Curriculum Elective (4 credits)
- **MAT 303** Calculus III (4 credits)
- **MAT 501** Ordinary Differential Equations (3 credits)

**Total: 69 Credits**

### Footnotes

1. ENG 100.5 is a combination of Intensive Writing and English Composition. Students must be exempt reading (ACR) in order to take this course. Once this course is passed, students will be able to move on to ENG 201.
2. MAT 206.5 is a combination course of Intermediate Algebra and Trigonometry and Precalculus. MAT 206.5 will satisfy the General Elective Requirement.
3. Please consult with an academic or faculty advisor.
4. MAT 302 must be passed in order to take MAT 303.
5. MAT 302 must be passed in order to take CHE 201.
6. MAT 302 must be passed in order to take MAT 303.
7. A total of 9 credits is required. Choose from CHE 230, CHE 240, ESC 130, ESC 131, ESC 201, ESC 202, ESC 211, ESC 221, ESC 223, GY 210, MAT 315, or PHY 240.
8. A Writing Intensive course is needed to graduate.