### Core Requirements

- CHE 211 4 College Chemistry I  
- COS 120 4 Introduction to Computational Problem Solving  
- COS 143 3 Interactive Webpage Design  
- COS 491 2 Senior Engineering Project I  
- COS 492 3 Senior Project  
- COS 495 1 Senior Engineering Project II  
- ENP 104 3 Introduction to Engineering and Software Tools  
- ENP 252 4 Principles of Engineering  
- ENP 332 4 Control Systems  
- ENP 405 1 Engineering Ethics  
- MAT 151 4 Calculus I  
- MAT 230 4 Calculus II  
- MAT 240 4 Calculus III  
- PHY 211 4 University Physics I  
- PHY 212 5 University Physics II  
- SYS 101 3 Introduction to Systems

### Additional Requirements

- ECO 201 4 Principles of Microeconomics  
- ENP 231 4 Introduction to Electric Circuits  
- ENP 301 3 Statics  
- IAS 330 3 Human Relations in Organizations  
- NAS 480 1 Seminar

Select one course from the following:

- ENP 302 3 Strength of Materials and Machine Design  
- ENP 351 3 Thermodynamics  
- SYS 320 3 Economic Decision Analysis

### Major Requirements

- ENT 420 3 Creativity and Concept Development  
- MAT 251 4 Differential Equations  
- MAT 352 4 Mathematical Statistics  
- MAT 382 3 Advanced Statistical Methods  
- SYS 214 3 Principles of Human Computer Interaction  
- SYS 390 3 Information Systems Analysis  
- SYS 392 1 Systems Seminar  
- SYS 395 2 Practicum  
- SYS 401 3 Operations Research  
- SYS 402 3 Modeling and Simulation  
- SYS 403 3 Operations Management  
- SYS 405 3 Operations Research II

Select one course from the following:

- ENP 491 1 Review of the Fundamentals of Engineering  
- SYS 410 2 Fundamentals of Quality Management

**Total Major Hours Required:** 107-108

### Degree Requirements

- 128 minimum hours and 42 minimum upper-division hours (3XX/4XX course numbers).  
- Fifty percent of the minimum hours must be completed at Taylor—64 hours.  
- Fifty percent of the major/minor hours must be completed at Taylor.  
- 22 of the last 30 hours earned must be completed at Taylor.  
- Cumulative GPA of 2.0; major GPA of 2.3 (higher GPA may be required in certain curricula). (See current catalog for policy).  
- All foundational core, major, minor, and proficiency requirements must be completed (including Senior Comprehensive Exam/Paper/Project).  
- Two years of one foreign language is required for the BA degree.  
- Candidates for 2 degrees must complete a minimum of 158 semester hours and meet all requirements for 2 different majors.