
Programs: COMP-ENGR, EE-BS, EE-MIN, MEE-BS, MEE-MIN, NGR-PR, HON-MIN (+10 cr.)

**Engineering Core (89.5 credits) – required for every engineering degree program unless otherwise noted**

1. **Fall 16**
   - HON 101* Required: Built Environment: Energy (Entry Year Experience)
   - HON 100* Writing in Honors (College Writing)
   - CHY 113* Required: Pnic. Chemistry 1 (Science Exp.)
   - PHY 121* Required: General Physics 1 + PHY 114: lab 1
   - MAT 152* Required: Calculus A (Quantitative Reasoning)

2. **Spring 16.5**
   - CHY 114* Required: General Physics 2 + PHY 116: lab 2
   - MAT 153* Required: Calculus B
   - Other discipline requires completion of 3 among courses containing an integral laboratory component

3. **Fall 17**
   - ELE 216* Required: Circuits 1: Steady-State Analysis
   - ELE 217* Required: Circuits 2: System Dynamics
   - ELE 323* Required: Electromechanical Energy Conversion
   - EGN 301* Required: Jr Design Project, Engr. Profession (Capstone)
   - EGN 304* Required: Engineering Economics
   - HON 100* Required: Honors Cultural Interpretation Topics

4. **Spring 17.5**
   - ELE 219* Required: Introduction to Programming: C or Java
   - ELE 220* Required: Intro to Differential Equations and Linear Algebra
   - EGN 248* Required: Theory of Prob. and Statistics (Cluster 3)
   - MEE 150* Required: Appl. Mechanics: Statics
   - MEE 151* Required: Fluid Mechanics
   - MEE 195* Required: Thinking in Honors

5. **Fall 18**
   - ELE 172* Required: Digital Logic
   - ELE 314* Required: Linear signals and Systems
   - ELE 342* Required: Electronics 1: Devices and Circuits
   - EGN 301* Required: Jr Design Project, Engr. Profession (Capstone)
   - EGN 304* Required: Engineering Economics
   - HON 100* Required: Honors Cultural Interpretation Topics

6. **Spring 18.5**
   - ELE 343* Required: Electronics 2: Electronic Design
   - ELE 341* Required: Microprocessor Systems
   - ELE 314* Required: Linear signals and Systems
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems

7. **Fall 19**
   - ELE 314* Required: Linear signals and Systems
   - ELE 342* Required: Electronics 1: Devices and Circuits
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems

8. **Spring 19.5**
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems

9. **Fall 20**
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems
   - ELE 341* Required: Microprocessor Systems

10. **Spring 20.5**
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems

11. **Fall 21**
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems

12. **Spring 21.5**
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems
    - ELE 341* Required: Microprocessor Systems

### Notes:
1. Course containing an integral laboratory component (+1: co-registration with a 1-credit lab course). Lab pre-reqs are in the Catalog.
2. Requires completion of 3 among Science Explorations, Socio-Cultural Analysis, Cultural Interpretation, and Creative Expression.
3. Other institutions may offer equivalents with fewer credits. Consult the registrar for approved equivalents.
4. May be offered more than once/year, based on demand.
5. May be substituted by the HON equivalent from the Honors Program.
6. May be satisfied in conjunction with another requirement (aka double-dipping).