# ELECTRICAL & COMPUTER ENGINEERING

## FIRST YEAR

### Academic Year 2021-2022

### Fall

- **ENGR 100**
The Oregon State Engineering Student  
  F, W, S, E (3)

- **CH 201**  
  Chemistry for Engineers 
  F, W (3)

- **MTH 251**
  Differential Calculus 
  F, W, S, U, E (4)

- **WR 121**
  English Composition 
  Alpha Sectioned 
  F, W, S, U, E (4)

- **HHS 231**
  Lifetime Fitness 
  F, W, S, U, E (2+1)

### Winter

- **ENGR 102**
  Design Engineering and Problem Solving  
  F, W, S, E (3)

- **Perspectives** 
  Biological Science  
  F, W, S, U, E (4)

- **MTH 252**
  Integral Calculus  
  F, W, S, U, E (4)

- **COMM 111/114**  
  Speech  
  F, W, S, U (3)

- **PAC**
  Physical Activity  
  F, W, S, U, E (1)

### Spring

- **ENGR 103**
  Engineering Computation and Algorithmic Thinking  
  F, W, S, E (3)

- **MTH 231**
  Discrete Math I  
  F, W, S, U, E (4)

- **Perspectives** 
  Western Culture  
  F, W, S, U, E (3)

- **CS 162**
  Intro to Comp. Sci. II  
  C++, C  
  F, W, S, U (4)

### Fall

- **ENGR 102 & co-req MTH 112**

- **MTH 111**

### Winter

- **ENGR 201**
  Electrical Fundamentals I  
  F, W, S, U (3)

- **PH 211**
  Physics with Calculus  
  F, W, S, U (4)

- **MTH 254**
  Vector Calculus  
  F, W, S, U (4)

### Spring

- **ENGR 203**
  Electrical Fundamentals III  
  F, S, U (3)

- **PH 212**
  Physics with Calculus  
  F, W, S (4)

- **MTH 255**
  Vector Calculus II  
  F, W, S, U (4)

- **CS 261**
  Data Structures  
  C  
  F, W, S, U (4)

### Notes:
1.  
   - F, W, S, U: Represents the term the course is offered (Fall, Winter, Spring, Summer, Ecampus)
2.  
   - (): Represents the credits of the course
3.  
   - Arrows: Represents prerequisites, co-requisites
4.  
   - Summer Courses may be cancelled due to low enrollment
5.  
   - 180 total credits are needed to graduate
6.  
   - Students cannot S/U major courses

Revised 6/21/2021