CmpE:
Typical 8-Semester Schedule and Significant Prerequisites

Sem 1
Chem 1310
General Chemistry
Math 1551
Differential Calculus
Math 1553
Linear Algebra
CS 1371
Computing for Engineers
Wellness Elective
ENGL 1101
English Comp I

Sem 2
Math 1552
Integral Calculus
ECE 2020
Fund. Digital Systems Design
ENGL 1102
English Comp II

Sem 3
PHYS 2211
Physics I
PHYS 2212
Physics II
Math 2552
Differential Equations
ECE 2035
Programming HW/SW Sys.
ECE 2026
Intro to Signal Processing

Sem 4
Math 2551
Multiv. Calc.
ECE 2040
Circuit Analysis
ECE 2031
Digital Design Lab
ECE 2036
Engineering Software Des.

Sem 5
Science Elective
ECE 3020
Math. Found. of Comp Engr
ECE 3030
Physical Found. of Comp Engr
ECE 3056
Arch., Conc. & Energy

Sem 6
ECE/Approved/Engineering Elective
Prob/Stat
ECE/App/Engr Elective
ECE/CS Elective
ECE/CS Elective
ECE/CS Elective
ECE/CS Elective
ECE/CS 4XXX Elective
ECE/CS 4XXX Elective
ECE/CS 4XXX Elective
ECE/CS 4XXX Elective

Sem 7
Engineering Elective
ECE/Cs Elective
ECE 4011
Senior Design I
ECE/Cs 4XXX Elective
ECE/Cs 4XXX Elective
ECE/Cs 4XXX Elective
ECE/Cs 4XXX Elective

Sem 8
Humanities Elective
ECE 4012
Senior Design II
ECE/Cs 4XXX Elective
ECE/Cs 4XXX Elective
Approved Elective
Approved Elective

Key
Requires a grade of “C” or better
May be taken pass-fail
Prerequisite
Prerequisite with concurrency

(ECE 2035 or 2036)
(Math 2551/2552)
Typical 8-Semester Schedule and Significant Prerequisites with credit for Math 1551

**Sem 1**
- Chem 1310
- Math 1552
- CS 1371
- Wellness Elective
- ENGL 1101
  - General Chemistry
  - Integral Calculus
  - Computing for Engineers

**Sem 2**
- PHYS 2211
- Math 1553
- ECE 2020
- History/Government Elective
  - Physics I
  - Linear Algebra
  - Fund. Digital Systems Design

**Sem 3**
- PHYS 2212
- Math 2552
- ECE 2035
- Social Sciences Elective
  - Differential Equations
  - Programming HW/SW Sys.

**Sem 4**
- Science Elective
- Math 2551
- ECE 2040
- Social Sciences Elective
  - Multiv. Calc.
  - Circuit Analysis
  - Engineering Software Des.

**Sem 5**
- Humanities Elective
- ECE 3020
- ECE 3030
  - Math. Found. of Comp Engr
  - Physical Found. of Comp Engr

**Sem 6**
- ECE/Approved/Engineering Elective
- Prob/Stat
- ECE/CS Elective
- Economics Elective
  - Elective
  - Elective

**Sem 7**
- Engineering Elective
- ECE 4011
- ECE 4012
- Approved Elective
  - Senior Design I
  - Senior Design II

**Sem 8**
- Humanities Elective
- Approved Elective
- Approved Elective

**Key**
- Requires a grade of “C” or better
- May be taken pass-fail
- Prerequisite
- Prerequisite with concurrency

Rev F4