

## Freshman

## Sophomore

## Senior

NONE  
**ENGL 1010 (3)**  
Writing 1  
NONE

ENGL 1010  
**ENGL 1020 (3)**  
Writing 2  
NONE

ENGL 1020 (C or better)  
**LIT (3)**  
(World, Amer, Brit.)  
NONE

ENGL 1020  
**PC 2500 (3)**  
ENGL 1020

**Legend for Flowchart:**

Prerequisites  
**Course Number**  
Course Title  
Co-requisites

**SBS 1 (3)**

**SBS 2 (3)**

**HUFA 1 (3)**

**HUFA 2 (3)**

-OR-  
NONE  
**COMM 2025 (3)**  
NONE

**AOE 1 (3)**

**AOE 3 (3)**

NONE  
**ENGR 1020 (1)**  
Connections to Engr.  
NONE

MATH 1720, 1730,1845 or 1910  
or ACT Math (27 or better)  
**ENGR 1120 (2)**  
Programming  
MATH 1910

MATH 1920 (C or better)  
MATH 2010 (C or better)  
MATH 2120 (C or better)  
**ECE 2010 (3)**  
Circuits 1  
MATH 2120

ENGR 1120, MATH 2010, MATH 2120  
**ME 3001 (3)**  
Mech. Engr. Analysis  
NONE

ME 2330, ME 3023, ME 3001  
**ME 3050 (3)**  
DMC  
ME 3060

**AOE 2 (3)**

**AOE 4 (3)**

**HIST 2010/2020**  
NOTE: Only if American History not taken in High School

MATH 1920  
**PHYS 2110 (4)**  
Physics 1  
MATH 1920

PHYS 2110  
MATH 2110 or MATH 2120  
**PHYS 2120 (4)**  
Physics 2  
MATH 2110 or MATH 2120

ECE 2010, PHYS 2120  
**ME 3023 (3)**  
Measurements  
CEE 3110

NONE  
**ME 3060 (1)**  
DMC Lab  
ME 3050

**AOE 5 (3)**

NONE  
**ENGR 1110 (2)**  
Engr. Graphics  
NONE

MATH 1920 (C or better)  
**CEE 2110 (3)**  
Statics  
PHYS 2110

CHEM 1110  
CEE 2110 (C or better)  
**ME 3010 (3)**  
Materials  
NONE

CEE 2110 (C or better)  
**CEE 3110 (3)**  
Mech. of Materials  
NONE

CEE 3110, ME 2330, ME 3010  
**ME 4010 (3)**  
Machine Design  
NONE

ME 3220, ME 3710, ME 3720  
**ME 4720 (3)**  
Thermal Design  
NONE

ME 3023, ME 3710, ME 3720  
**ME 4751 (2)**  
Energy Systems Lab  
NONE

-OR-

ME 3610, ME 4010  
**ME 4020 (3)**  
Applied Mach.  
NONE

MATH 1730 (C or better) or ACT MATH (27 or better)  
**MATH 1910 (4)**  
Calculus 1  
NONE

MATH 1910 (C or better)  
**MATH 1920 (4)**  
Calculus 2  
NONE

MATH 1910 (C or better)  
**MATH 2010 (3)**  
Matrix Algebra  
NONE

MATH 1920 (C or better)  
**MATH 2110 (4)**  
Calculus 3  
NONE

ME 2330  
**ME 3720 (3)**  
Fluid Mechanics  
NONE

MATH 2120  
**ME 3710 (3)**  
Heat Transfer  
ME 3210

ME 3001, ME 3023, ME 3220, ME 3610, ME 3710, ME 3720, ME 4010, ME 3050, ME 3060, ME 4910  
**ME 4410 (3)**  
Senior Design I  
ME 3050, ME 3060, ME 4910

ME 4020 (5020) OR ME 4720;  
ME 4410, ME 4910  
ME 3050 & 3060  
**ME 4420 (3)**  
Senior Design II  
ME 4020 (5020)  
Or ME 4720

NONE  
**CHEM 1110 (4)**  
Gen. Chem. 1  
NONE

MATH 1920 (C or better)  
**MATH 2120 (3)**  
Diff. E.  
NONE

CHEM 1110  
MATH 2110  
**ME 3210 (3)**  
Thermo 1  
NONE

ME 3210  
**ME 3220 (3)**  
Thermo 2  
NONE