Mechanical Engineering
2023/2024 (128 Hours)
Academic Flowchart

YEAR ONE
- CH 121/125 Chemistry I
- MA 171 Calculus A
- MA 172 Calculus B
- PH 111/114 Physics I
- MA 244 Linear Algebra
- MAE 211 Intro to Comp Tools
- EGR 101 Comp for Engineers
- HSBS/HFA Humanities & Fine Art

YEAR TWO
- MA 201 Calculus C
- PH 112/118 Physics II
- MA 238 Diff Equations
- MAE 284/284L Numerical Methods
- MAE 272 Dynamics
- MAE 271 Statics
- MAE 341 Thermodynamics I
- EE 213 Elec Circuits I
- MAE 270 Intro Heat & Mass
- MAE 275 Mech/Des Mach Elem
- MA 244 Linear Algebra

YEAR THREE
- MAE 342 Thermodynamics II
- MAE 270 Intro Heat & Mass
- MAE 311/311L Prin Meas & Instr
- MAE 284/284L Numerical Methods
- MAE 378 Mat & Mfg Pro.
- MAE 370/375 Mech of Materials
- MAE 364/364L Kin & Dyn of Mach
- MAE 341 Thermodynamics I

YEAR FOUR
- MAE 455 Design Therm Sys
- MAE 450/451 Intro Heat & Mass
- MAE 485/485C Design Therm Sys
- MAE 489 Comp Aided Eng
- MAE 466 Mech/Das Mach Elem
- MAE 490 Senior Design I
- MAE 491 Senior Design II
- MAE 480 Analy of Eng Sys
- MAE 491 Senior Design II
- HSBS/HFA Humanities & Fine Art

Legend:
- Mathematics
- Physics
- Chemistry / Biology
- Engineering General
- Engineering Major
- Engineering Elective
- College Writing
- History, Social & Behavioral Science
- Humanity & Fine Art (HSBS/HFA)
- Offered only in semester listed
- Credit Hours
- Prerequisite
- Prereq w/concurrency

Note: No ET (Engineering Technology) courses may be used to satisfy degree requirements.