Mechanical Engineering - Aerospace Engineering Concentration BME Four-Year Plan

FALL	**SPRING**
First Year	
EGGG 101 - Introduction to Engineering (FYS)	MATH 242 - Analytic Geometry and Calculus B
CHEM 103 - General Chemistry and CHEM 133 - General Chemistry Laboratory	MEEG 102 - Introduction to Mechanical Engineering Design
CISC 106 - General Computer Science for Engineers	MEEG 104 – Data Analysis and Technical Communications
ENGL 110 - First-Year Writing	PHYS 207 - Fundamentals of Physics I and PHYS 227 - Fundamentals of Physics Laboratory I
MATH 241 - Analytic Geometry and Calculus A	Breadth Requirement (1/6)**
Credits: 16	Credits: 17
Second Year	
MATH 243 - Analytic Geometry and Calculus C	MATH 352 - Engineering Mathematics II
MATH 351 - Engineering Mathematics I	MATH 353 - Engineering Mathematics III
MEEG 210 - Statics**	MEEG 211 - Dynamics**
MEEG 241 - Thermodynamics	MEEG 215 - Mechanics of Solids**
PHYS 245 - Introduction to Electricity and Electronics	MEEG 216 - Solid Mechanics Lab
	MSEG 201 - Introduction to Materials Science
Credits: 17	Credits: 16

FALL	SPRING
Third Year	
MEEG 301 - Machine Design-Kinematics and Kinetics	MEEG 304 - Machine Design-Elements
MEEG 311 - Control Systems	
MEEG 312 - Vibration and Control Lab	MEEG 342 - Heat Transfer
MEEG 321 - Materials Engineering	MEEG 346 - Thermal Laboratory
MEEG 331 - Fluid Mechanics I	Technical Elective (Science)*
MEEG 333 - Fluid Mechanics Lab	Breadth Requirement (should satisfy Multicultural Requirement) (2/6)**
	Breadth Requirement (3/6)
Credits: 15	Credits: 17
Fourth Year	
MEEG 401 - Engineering Senior Design or MEEG 402 - Senior Design - FSAE (DLE and Capstone)	Concentration Elective (2/3)*
MEEG 432 - Aerodynamics	Concentration Elective (3/3)*
Concentration Elective (1/3)*	Breadth Requirement (5/6)**
Breadth Requirement (4/6)**	
	Breadth Requirement (6/6)**
Credits: 15	Credits: 12
Total Credits: 125	

*See program page for approved courses.

**Minimum grade of C- required.

Disclaimer: Four-Year Plans are a Departmental suggestion of how a student could complete this degree in four years (eight semesters). Students may opt to take courses in the summer or winter sessions. These plans do not take into account additional requirements brought on by minors or other majors. A Four-Year Plan is subject to change from year-to-year given the resources and focuses of the Department. It is the student's responsibility to meet with his or her assigned advisor at least once a semester to monitor progress and ensure that he or she is on track to graduate on time. This document is intended as a supplemental advisement tool to be used in conjunction with in-person advisement and the Degree Audit. Students should direct any questions or concerns regarding degree progress to their advisor or Academic Assistant Dean.