Mechanical Engineering

UNIVERSITY of WASHINGTON | BOTHELL
SCHOOL OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

Website

- This is a sample schedule of courses based on degree requirements. The actual degree plan may differ depending on the course of study selected, the number of starting credits, or the starting admission point.
- This guide is not a substitute for academic advising. Contact your academic advisor with questions about scheduling, unique interests, or degree requirements.

	Autumn	Winter	Spring
Year 1	◇ **STMATH 124 - Calculus I**	◇ **STMATH 125 - Calculus II**	◇ **STMATH 126 Calculus III**
	◇ **B PHYS 121 - Mechanics**	◇ **B PHYS 122 – Electromagnetism**	◇ B PHYS 123 – Waves
	❖ A & H	◇ **B WRIT 134 Composition**	B WRIT 135 Research Writing
Year 2	**Autumn**	**Winter**	**Spring**
	◇ **B ME 221: Statics**	◇ **B ME 222: Mechanics of Material**	◇ **B ME 223: Dynamics**
	B CHEM 143 + 144 Gen. I Chem & Lab	❖ SSc	❖ A & H
	◇ **STMATH 224 Multivariable Calculus**	◇ **STMATH 207 Differential Equations**	❖ SSc
Mechanical Engineering is a cohort-based program, and the upper division coursework must be completed in the order prescribed.			
Year 3	**Autumn**	**Winter**	**Spring**
	B ME 301 Introductory Seminar for Mechanical Engineering (1)	B ME 332 Fluid Mechanics (4)	B ME 333 Heat Transfer (4)
	B ME 315 Intro to 3D Modeling, Design and Analysis (4)	B ME 341 Mechanical Systems Design I (4)	B ME 334 Thermal Fluids Lab (2)
	B ME 331 Thermodynamics (4)	B ENGR 321 Materials Engineering Lab (Can take A or W) (2cr)	B ME 342 Mechanical Systems Design II (4)
	B ENGR 320 Fundamentals of Materials Science (4)	B ENGR 310 Computational Physical Modeling (4)	STMATH 390 Probability & Statistics in Engineering (Can take A, W, Sp, or Sum)
	CSS 112 Introduction to Programming for Scientific Applications (4)		
Year 4	**Autumn**	**Winter**	**Spring**
	B ENGR 494 Engineering Design and Innovation (3)	B ENGR 495 Capstone Project in Engineering I (3)	B ENGR 496 Capstone Project in Engineering II (4)
	B ME 343 Mechanical Systems Design III (4)	B ME 410 Electric Power & Machinery	Upper Division Engineering Elective (4)
	B ME 481 Citizen Engineer	Upper Division Engineering Elective (4)	Upper Division Engineering Elective (4)
		Upper Division Engineering Elective (4)	

◇ **Prerequisite: Must be completed prior to applying for a major.**
❖ May be fulfilled with Discovery Core

All classes are 5 credits unless followed by a parenthesis with a number, indicating the number of credits.
Refer to the time schedule for up to date course offerings; including quarters, days and times

This Map is a suggested sequence of the current curriculum which may be altered to carry out the academic objectives of the University. The University specifically reserves the right to change the student's current map at any time within the student's period of study.
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