

# Mechanical Engineering

## General Mechanical

**Graduate Certificate in Engineering: 12 credits / 4 courses**

Students pursuing this option complete four mechanical engineering core courses.

General Mechanical Core (choose four):	
	ENME600 Engineering Design Methods
	ENME605 Advanced Systems Control
	ENME607/ENRE671 Engineering Decision Making and Risk Management
	ENME610 Engineering Optimization
	ENME631 Advanced Conduction and Radiation Heat Transfer
	ENME632 Advanced Convection Heat Transfer
	ENME640 Fundamentals of Fluid Mechanics
	ENME662 Linear Vibrations
	ENME690 Mechanical Fundamentals of Electronic Systems
	ENME712 Measurement, Instrumentation and Data Analysis for Thermo-Fluid Processes
	ENPM652 Applied Finite Element Methods (every summer) or ENME674 Finite Element Methods
	ENPM654 Energy Systems Management* (every summer)
	ENPM671 Advanced Mechanics of Materials

*NOTE: Any courses not listed above must be approved by the Senior Academic Advisor **PRIOR** to registration.*

KEY	
Online Option *	(offering information)
[Prerequisite course]	

*DISCLAIMER: All offerings are tentative and subject to change.*

*Updated 9/30/2020*

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