

# CONTROL OF MECHANICAL SYSTEMS - MINOR

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The objectives of the Mechanical Engineering (MEEN) minor in Control of Mechanical Systems are to expand the working knowledge of mechanical engineering principles to broader engineering activities and to provide non-MEEN students with a specialized aspect of mechanical engineering to enhance their skillset and capabilities within their discipline-specific field. The minor in Control of Mechanical Systems focuses on providing the basic background in dynamic systems and controls through required courses and additional hours can be selected from elective courses in robotics, automotive engineering, mechatronics, etc. Candidates for a Mechanical Engineering minor must be high-achieving in their own discipline. Students may apply for the minor as early as their fourth semester of college but before their seventh semester of college.

## Program Requirements

Code	Title	Semester Credit Hours
MEEN 363	Dynamics and Vibrations	3
MEEN 364	Dynamic Systems and Controls	3
MEEN 431	Advanced System Dynamics and Controls	3
Select two of the following:		6
MEEN 408	Mechanics of Robotic Manipulators	
MEEN 411	Mechanical Controls	
MEEN 432	Automotive Engineering	
MEEN 433	Mechatronics	
MEEN 434	Dynamics and Modeling of Mechatronic System	
MEEN 459	Sound and Vibration Measurements	
<b>Total Semester Credit Hours</b>		<b>15</b>

Minimum of 6 hours at 300- to 400-level.

Prerequisites of required and elective courses must have a grade of C or better even if not counting toward degree or minor.

Students may substitute up to 6 hours of minor coursework from other College of Engineering departments. Any course substitutions and prerequisite waivers must be approved in advance by the Department of Mechanical Engineering.