

NOISE AND VIBRATION MINOR

The Noise and Vibration Minor provides students with foundational knowledge in acoustics, vibration, and signal processing. The minor is designed for students interested in NVH, noise control, dynamic systems, structural vibrations, acoustic testing, and related engineering applications. Students complete one core acoustics/vibration course and three supporting electives to develop interdisciplinary depth in the area.

Code	Title	Credit Hours
Select One of the Following		4
MECH-443	Noise and Vibration	
PHYS-388	Acoustics in the Human Environment	
Select Three of the Following		12
EE-336	Continuous-Time Signals and Systems	
EE-338	Discrete-Time Signals and Systems	
MECH-330 & MECH-331	Dynamic Systems with Vibrations and Dynamic Sys w Vibrations Lab	
MECH-416	Finite Element Analysis with Structural Applications	
MECH-442	Chassis Systems	
MECH-443	Noise and Vibration	
MECH-435	Digital Twins and Model-Based Engineering	
PHYS-302	Vibration, Sound and Light	
PHYS-388	Acoustics in the Human Environment	
EP-485	Acoustic Testing and Modeling	
Total Credit Hours		16