

MINOR IN MECHANICAL ENGINEERING

Overview

The University of Miami Department of Mechanical and Aerospace Engineering offers a minor in Mechanical Engineering

Curriculum Requirements

Code	Title	Credit Hours
Core Courses		
CAE 210	Mechanics of Solids I	3
Elective Courses		
EGN 123 or EGN 114 OR EGN 110	Computing and Digital Solutions for the future	3
Select 9 credit hours from one of the following areas of specialization:		9
Energy Engineering:		
MAE 303	Thermodynamics	
MAE 420	Applied Thermodynamics	
MAE 503	Internal Combustion Engines	
MAE 506	Nuclear Engineering	
MAE 510	Fundamentals of Solar Energy Utilization	
Environmental Engineering:		
MAE 303	Thermodynamics	
MAE 309	Fluid Mechanics	
MAE 408	Heating, Ventilating, and Air Conditioning	
MAE 510	Fundamentals of Solar Energy Utilization	
MAE 521	Exhaust Emission Control	
Materials Engineering:		
MAE 207	Mechanics of Solids II	
MAE 301	Engineering Materials Science	
MAE 302	Mechanical Behavior of Materials	
MAE 507	Advanced Mechanics of Solids	
Thermal Engineering:		
MAE 303	Thermodynamics	
MAE 310	Heat Transfer	
MAE 408	Heating, Ventilating, and Air Conditioning	
MAE 420	Applied Thermodynamics	
MAE 441	Design of Fluid and Thermal Systems	
MAE 503	Internal Combustion Engines	
MAE 508	Intermediate Heat Transfer	
MAE 510	Fundamentals of Solar Energy Utilization	
Total Credit Hours		15

* At least 9 credit hours of Mechanical Engineering courses must be taken at the University of Miami; subject to approval of an academic advisor.

** A minimum 2.0 grade point average in all MAE courses taken is required.