

Minor

Mechanical Engineering Minor

The Department of Mechanical and Aerospace Engineering offers a minor program with two emphases: thermal sciences and mechanics.

Requirements

The specific minimum courses required are as follows:

Thermal Sciences

MAE 303	Mechanics of Fluids	3
MAE 311	Thermodynamics I	3
MAE 312	Thermodynamics II	3
or MAE 414	Introduction to Gas Dynamics	
MAE 315	Heat and Mass Transfer	3
Total Credit Hours		12

Mechanics

MAE 332	Mechanical Engineering Design I	3
MAE 340	Computational Methods in Mechanical Engineering	3
MAE 404	Vibrations	3
MAE 436	Dynamic Systems and Control	3
Total Credit Hours		12

It may be possible to substitute other appropriate junior- or senior-level mechanical engineering courses for those specified above with prior approval of the department. Exceptions are rare and are not encouraged. All prerequisites and corequisites must be satisfied for all courses taken.

For completion of a minor, a student must have a minimum overall cumulative grade point average of 2.00 in all courses specified as a requirement for the minor exclusive of lower-level courses, prerequisites and corequisites and complete at least six hours in upper-level courses in the minor requirement through courses offered by Old Dominion University.