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Mechanical Engineering Minor

Requirements

Admission to the Joint Engineering program is required. A minimum of 19 credit hours in Joint Mechanical Engineering and Engineering courses are required.

Required Courses

Total Hours

ENGR 2310 Statics 3 ENGR 2320 Dynamics 3 J M ENGR 2410 Mechanics of Deformable Bodies 3 Choose at least one of the following four options for an additional 10 credit hours: Option 1 J M ENGR 3250 Material Science for J M ENGR Any other two J M ENGR courses for 6 credit hours Option 2 J M ENGR 3200 Thermodynamics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 3 J M ENGR 3700 Fluid Mechanics J M ENGR 3700 Fluid Mechanics J M ENGR 3721 Fluid Mechanics J M ENGR 3721 Fluid Mechanics J M ENGR 3700 Fluid Mechanics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 4 J M ENGR 4170 Dynamic Response of Physical Systems J M ENGR 4180 Dynamic Response Laboratory Any other J M ENGR course for 7 credit hours	Required Courses		
J M ENGR 2410 Mechanics of Deformable Bodies 3 Choose at least one of the following four options for an additional 10 10 credit hours: Option 1 J M ENGR 3250 Material Science for J M ENGR Any other two J M ENGR courses for 6 credit hours Option 2 J M ENGR 3200 Thermodynamics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 3 J M ENGR 3700 Fluid Mechanics J M ENGR 3700 Fluid Mechanics J M ENGR 3721 Heat Transfer Laboratory Option 3 J M ENGR 3700 Fluid Mechanics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 4 J M ENGR 4170 Dynamic Response of Physical Systems J M ENGR 4180 Dynamic Response Laboratory	ENGR 2310	Statics	3
Choose at least one of the following four options for an additional 10 credit hours: Option 1 J M ENGR 3250 Material Science for J M ENGR Any other two J M ENGR courses for 6 credit hours Option 2 J M ENGR 3200 Thermodynamics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 3 J M ENGR 3200 Thermodynamics J M ENGR 3700 Fluid Mechanics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 4 J M ENGR 4170 Dynamic Response of Physical Systems J M ENGR 4180 Dynamic Response Laboratory	ENGR 2320	Dynamics	3
Option 1 J M ENGR 3250 Material Science for J M ENGR Any other two J M ENGR courses for 6 credit hours Option 2 J M ENGR 3200 Thermodynamics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 3 J M ENGR 3200 Thermodynamics J M ENGR 3700 Fluid Mechanics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 4 J M ENGR 4170 Dynamic Response of Physical Systems J M ENGR 4180 Dynamic Response Laboratory	J M ENGR 2410	Mechanics of Deformable Bodies	3
Any other two J M ENGR courses for 6 credit hours Option 2 J M ENGR 3200 Thermodynamics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 3 J M ENGR 3700 Fluid Mechanics J M ENGR 3700 Fluid Mechanics J M ENGR 3721 Heat Transfer Laboratory Option 3 J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 4 J M ENGR 4170 Dynamic Response of Physical Systems J M ENGR 4180 Dynamic Response Laboratory			
Any other two J M ENGR courses for 6 credit hours Option 2 J M ENGR 3200 Thermodynamics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 3 J M ENGR 3200 Thermodynamics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 4 J M ENGR 4170 Dynamic Response of Physical Systems J M ENGR 4180 Dynamic Response Laboratory	Option 1		
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J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 3 J M ENGR 3200 Thermodynamics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 4 J M ENGR 4170 Dynamic Response of Physical Systems J M ENGR 4180 Dynamic Response Laboratory	J M ENGR 3700	Fluid Mechanics	
or J M ENGR 3722 Heat Transfer Laboratory Option 3 J M ENGR 3200 Thermodynamics J M ENGR 3700 Fluid Mechanics J M ENGR 3710 Principles of Heat Transfer J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 4 J M ENGR 4170 Dynamic Response of Physical Systems J M ENGR 4180 Dynamic Response Laboratory	J M ENGR 3710	Principles of Heat Transfer	
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J M ENGR 3721 Fluid Mechanics Laboratory or J M ENGR 3722 Heat Transfer Laboratory Option 4 J M ENGR 4170 Dynamic Response of Physical Systems J M ENGR 4180 Dynamic Response Laboratory	J M ENGR 3700	Fluid Mechanics	
or J M ENGR 3722 Heat Transfer Laboratory Option 4 J M ENGR 4170 Dynamic Response of Physical Systems J M ENGR 4180 Dynamic Response Laboratory	J M ENGR 3710	Principles of Heat Transfer	
Option 4 J M ENGR 4170 Dynamic Response of Physical Systems J M ENGR 4180 Dynamic Response Laboratory	J M ENGR 3721	Fluid Mechanics Laboratory	
J M ENGR 4170 Dynamic Response of Physical Systems J M ENGR 4180 Dynamic Response Laboratory	or J M ENGR 3722	Heat Transfer Laboratory	
Systems J M ENGR 4180 Dynamic Response Laboratory	Option 4		
, ,	J M ENGR 4170		
Any other J M ENGR course for 7 credit hours	J M ENGR 4180	Dynamic Response Laboratory	
	Any other J M ENGR cour	se for 7 credit hours	

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