

MAE Dual Degree Program - Total Credit Hours 150

Catalog Year: 2021 - 2024

If your primary program is **Mechanical Engineering**, you will need to complete an additional **22** credit hours from the following Aerospace Engineering curriculum.

	Prefix and Number	Cr. Hr	Course Name	Offered
Aerospace	EAS 3101	3	Fundamentals of Aerodynamics	SP/SU/FA
	EAS 3810C	3	Design of Aerospace Experiments	FA/SP
	EAS 4105	3	Flight Mechanics	FA
	EAS 4134	3	High-Speed Aerodynamics	FA/SP
	EAS 4200	3	Analysis and Design of Aerospace Structures	FA
	EAS 4300	3	Aerothermodynamics of Propulsion Systems	FA/SP
	EAS 4505	3	Orbital Mechanics	SP
	Approved Elective	*1	<i>(Please refer to the Technical Elective Sheet)</i>	

If your primary program is **Aerospace Engineering**, you will need to complete an additional **22** credit hours from the following Mechanical Engineering curriculum.

	Prefix and Number	Cr. Hr	Course Name	Offered	
Mechanical	EML 3500	3	Design and Analysis of Machine Components	SP/SU/FA	
	EML 4142	3	Heat Transfer	SP/SU/FA	
	EML 4301C or EML 4306C	3	Mechanical or Energy Systems Lab	FA/SP	
	Approved Electives	*7	<i>(Please refer to the Technical Elective Sheet)</i>		
	Choose 2 of these 5 Courses				
	EML 3101	3	Thermodynamics of Mechanical Systems	SP	
	EML 4143	3	Heat Transfer II	FA	
	EML 4313	3	Intermediate System Dynamics and Controls	FA	
	EML 4504	3	Design and Analysis of Machine Components II	SP	
	EML 4703	3	Fluid Mechanics II	FA	

*Only needed if **not** meeting the minimum 150 unduplicated semester units requirement and/or **not** meeting the restricted elective requirements for one of the majors.

Students pursuing a dual degree should speak with Mrs. Bonnie Esparza to set up a class schedule that works towards graduation.

Academic Advising Offices ENG 1 Room 381

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