

2012-2013 CATALOG YEAR

MAE Dual Degree Requirement - Total Credit Hours 150

A student who satisfies the Mechanical Engineering degree requirement of 128 credit hours will need an additional 22 credit hours from the following courses in the Aerospace Engineering Program.

	Prefix and Number	Cr. Hr.	Course Name	Offered
Aerospace	EAS 3101	3	Fundamentals of Aerodynamics	FA
	EAS 4105	3	Flight Mechanics	FA
	EAS 4200	3	Aerospace Structures	FA
	EAS 4300	3	Propulsion Systems	SP
	EAS 4134	3	High-Speed Aerodynamics	FA
	EAS 3810C	3	Aerospace Engineering Measurements	SP
	Electives	4	<i>(Please refer to the Technical Electives Sheet)</i>	

The following courses are not allowed because there are similar courses in the ME Program.

Prefix and Number	Course Name
EAS 3800C	Aerospace Measurements I
EAS 4700C	Aerospace Design I
EAS 4710C	Aerospace Design II
EMA 3706	Structures and Properties of Aerospace Materials

A student who satisfies the Aerospace Engineering degree requirement of 128 credit hours will need an additional 22 credit hours from the following courses in the Mechanical Engineering Program. Students have the option of Materials, Energy, or Mechanical Systems.

For Materials courses please contact the Academic Affairs Office in ENG I Room 107

	Prefix and Number	Cr. Hr.	Course Name	Offered
Energy Systems Option	EML 3101	3	Thermodynamics II	FA
	EML 4306C	3	Energy Systems Lab	SP
	EML 4143	3	Heat Transfer II	FA
	EML 4703	3	Fluids II	FA
	Electives	10	<i>(Please refer to the Technical Electives Sheet)</i>	

	Prefix and Number	Cr. Hr.	Course Name	Offered
Materials Option	EMA 3124	3	Design and Selection of Materials	FA
	EMA 4102	3	Thermo and Kinetics of Materials	FA
	EMA 4223	3	Fundamentals of Mechanical Behavior in Matls	SP
	EMA 3012C	3	Experimental Techniques	FA/SP
	Electives	10	<i>(Please refer to the Technical Electives Sheet)</i>	

	Prefix and Number	Cr. Hr.	Course Name	Offered
Mechanical Systems	EML 4301C	3	Mechanical Systems Lab	SP
	EML 3500	3	Machine Design	FA/SP
	EML 4313	3	Intermediate Vibrations and Controls	SP
	Electives	13	<i>(Please refer to the Technical Electives Sheet)</i>	

The following courses are not allowed because there are similar courses in the AE Program.

Prefix and Number	Course Name
EML 3303C	Mechanical Measurements I
EML 4501C	Mechanical Design I
EML 4502C	Mechanical Design II
EGN 3365	Structures and Properties of Materials

Students pursuing a dual degree should speak with Ms. Lynn Grabenhorst since requirements are different for each catalog year.

ENGR 1, Room 381, e-mail mmaeugrad@ucf.edu