

Dual Degree Requirements

Electrical Engineering – Mechanical Engineering

Effective Fall 2006

There are two approaches you can take to earn a dual degree in both Electrical Engineering and Mechanical Engineering.

1. Primary EE, Secondary ME 42 additional hours (173 total)
2. Primary ME, Secondary EE 42 additional hours (173 total)

In both cases, you only need to do one senior project provided it is interdisciplinary in nature. Automotive projects tend to be very good for this.

Primary EE/Secondary ME

Do not take:

EEE3011	Intro to ECE Projects
EEE3422	Adv. Comp Application Lab
EEE4811	EE Projects 1
EEE4822	EE Projects 2
EEE4xx3	EE Technical Elective
EME4603	Intro to Mech. Systems
EME4613	Intro to Thermal Systems

Do take the following courses:

EGE1023	Engineering Materials	EME3043	Dynamics
EGE1101	ECAL - Excel	EME4003	Design of Mach Elements
EGE2013	Statics	EME4013	Heat Transfer
EGE3003	Thermodynamics	EME4212	Engineering Projects 1
EME2011	Eng. Materials Lab	EME4222	Engineering Projects 2
EME2012	ME Graphics	EME4402	Mechanics Lab
EME3011	Intro to Eng. Projects	EME4412	Thermal Science Lab
EME3013	Mech. of Materials	EME4xx3	ME Technical Electives
EME3023	Manufacturing Processes	EME4xx3	ME Technical Electives
EME3024	Fluid Mechanics	EME4xx3	ME Technical Electives
EME3033	Eng. Numerical Methods		
EME3034	Kinematics & Dyn of Mach		

Primary ME/Secondary EE

Note: EEE3314 & EEE3233 are co-requisites for EME3011.

Do not take:

EEE2123	Circuits & Electronics
EEE3153	Electrical Mach & Controls
EEE3161	Intro to Elect Eng. Lab
EME4xx3	ME Technical Elective

Do take the following courses:

EEE2111	Circuits 1 Lab	EEE3414	Electromagnetic Flds & W
EEE2114	Circuits 1	EEExxx3	EE Concentration #1
EEE2214	Digital Electronics & Lab	EEExxx1	EE Laboratory
EEE3121	Circuits 2 Lab	EEE4423	Communication Systems
EEE3123	Circuits 2	EEE4514	Control Systems & Lab
EEE3231	Microprocessors Lab	EEE4xx3	EE Concentration #2
EEE3233	Microprocessors	EEE4xx3	EE Concentration #3
EEE3311	Electronics Lab	EEE4xx3	EE Technical Elective
EEE3314	Electronics	EEE4xx1	EE Laboratory
		MCS1142	Intro to C

If no Entrepreneurial Cert., take:

EGE2231	Project Management
EGE3361	Business Plans
EGExxx1	Entrepreneurial Tech Elect.

If Entrepreneurial Certificate, take:

EEE4xx3	EE Tech Elective
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