

Dual Degree Requirements Electrical Engineering – Mechanical Engineering

Effective Fall 2011

There are two approaches you can take to earn a dual degree in both Electrical Engineering (EE) and Mechanical Engineering (ME)

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|-----------------------------|---------------------------------|
| 1. Primary EE, Secondary ME | 43 Additional Hours (175 Total) |
| 2. Primary ME, Secondary EE | 43 Additional Hours (175 Total) |

In both cases, you only need to do one senior project (follow senior project sequence of the primary degree) provided it is interdisciplinary in nature (contains elements of both electrical and mechanical engineering).

Primary EE/Secondary ME

Follow the Electrical Engineering curriculum (132 credit hours) with the additional changes:

Do not take the following courses:

EME4603 Intro To Mechanical Systems
EME4613 Intro to Thermal Systems

Take the following courses:

EGE1023 Engineering Materials	EME2011 Engineering Materials Lab
EME2012 ME Graphics	EME3023 Manufacturing Processes
EGE2013 Statics	EME3043 Dynamics
EME3013 Mechanics of Materials	EGE3003 Thermodynamics
EME3123 Fluid Mechanics	EME4013 Heat Transfer
EME3133 Kinematics and Dyn of Mach	EME4/5xx3 ME Technical Elective
EME4003 Design of Machine Elements	EME4/5xx3 ME Technical Elective
EME4402 Mechanics Lab	EME4/5xx3 ME Technical Elective
EME4412 Thermal Science Lab	MCS3863 Linear Algebra

Primary ME/Secondary EE

Follow the Mechanical Engineering curriculum (132 credit hours) with the additional changes:

Do not take the following course:

EEE2123 Circuits & Electronics

Take the following courses:

EEE2114 Circuits 1	EEE3414 Electromagnetic Fields & Waves
EEE2111 Circuits 1 Lab	EEE4xx3 EE Concentration #1
EEExxx1 EE Laboratory	EEE4xx3 EE Concentration #2
EEE4423 Communication Systems	EEE2214 Digital Electronics & Lab
EEE4514 Control Systems & Lab	EEE4xx3 EE Technical Elective
EEE3233 Microprocessors	EEE3231 Microprocessors Lab
EEE3314 Electronics	EEE3311 Electronics Lab
MCS1142 Intro to C	EEE3121 Circuits 2 Laboratory
EEE3124 Signals and Systems	