

COURSE WORK OPTION STUDENTS: CAPSTONE COURSE INFORMATION

EE Students can elect to take the course work only option. Course work students must take eleven courses and maintain a minimum 3.0 GPA. Course work students must complete at least one approved “capstone” course as part of the eleven course requirement.

Following is a partial listing which is subject to change.

Biomedical Systems:

EEL-6936	Biomedical Image Processing
EEL-6935	Chemical and Biological Sensor Microsystems
GM-7930	Anatomy for Bio-engineers

MEMS: Micro-Electro-Mechanical Systems BioMEMS and Microsystems

EEL 6765	Design and Fabrication of MEMS
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Microelectronics:

Materials, Processes and Devices:

EEL-6935	Advanced IC Technology
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Systems and Design:

EEL-6935	VHDL an Introduction
EEL-6935	System on a Chip
EEL-6936	Rapid System Prototyping

Communication and Signal Processing:

EEL-6752	Digital Signal Processing II
EEL-6586	Speech Signal Processing
EEL-6935	Digital Medical Imaging
EEL-6935	Wireless Network Architectures and Protocols
EEL-6936	Advanced Topics in Wireless Communications

Energy, Power Electronics, and Controls:

EEL-6935	Electric Power Systems II
EEL-6935	Electric Power Distribution II
EEL-6935	Industrial Power Systems
EEL-6613	Modern Control Theory

Wireless and Microwave:

EEL-6936	RF and MW Circuits II
EEL-6936	Advanced RFIC Design
EEL-6936	Advanced Monolithic Microwave Circuits
EEL-6658	RF/MW Measurement