



**COES**  
**Technical Electives**  
**and**  
**Graduate Courses**  
**2010-2011**

**MICRO/NANO**  
**SYSTEMS**

**Fall Quarter**

**ELEN 437/MSE 401/MSE 501**

Microfab Principles

**ELEN 535**

Adv. Topic Microelectronics

**MSE 557/NSE 410**

Nanosystems & Devices

**MSNT 521**

Cell and Molecular Biology

**PHYS 412/512**

Solid State Systems

**Winter Quarter**

**MSE 402/502**

Microsystems Principles II

**MSE 404/504**

Micro/Nano Materials

**MSE 407/MSE 507/ELEN 537**

Adv. Microfab w/CAD

**PHYS 417**

Modern Physics II

**Spring Quarter**

**BIEN 557**

Biomedical Microsystems/Microdevices

**CHEM 450**

Polymer Chemistry

**CMEN 420/NSE 490**

Nanosystems Modeling

**ELEN 557**

Wireless Sensor Networks

**ELEN 533**

Optoelectronics

**MSE 405/505/MSNT505**

Nanotechnology Principles

**MSE 406/506**

Micro/Nano Measurement and Analysis

**MSE 508/ELEN 538**

Adv. Microelectronics w/CAD

**PHYS 424**

Quantum Mechanics

\*\*senior option courses – may be used as technical electives, as well