

# Department of Industrial & Systems Engineering

## ENGR and TECH Electives

### **ENGR (pre Spring 2004) List of Approved Electives**

ENGR 2010 Thermo, ENGR 2050 Statics, ENGR 2070 Mech of Matl, ENGR 2200 Thermo, Fluids, Heat Transfer, ENGR 2350 Dynamics, ELEC 3820 Industrial Instrumentation, MATL 2100 Intro to Matl, MECH 2110 Statics and Dynamics

### **ENGR List of Approved Electives effective Spring term, 2004**

ENGR 2050 Statics, ENGR 2200 Thermo, Fluids, Heat Transfer, MATL 2100 Intro to Materials Science, MECH 2110 Statics and Dynamics

### **ENGR List of Approved Electives effective Spring term, 2006**

ENGR 2050 Statics  
ENGR 2200 Thermo, Fluids, Heat Transfer  
ENGR 2100 Mechanics  
MECH 2110 Statics and Dynamics

### **TECH (pre Spring 2004) List of Approved Electives**

All 3000 and above courses in the College of Engineering

### **TECH List of Approved Electives effective Spring term, 2004**

Any ISE course not required for the major, COMP 6000 Web Application Development, ELEC 3820 Industrial Instrumentation, ELEC 6150 Information Security, MATL 3100 Eng. Material-Metals, MECH 3220 Computer Aided Engineering, MECH 6510 Acoustics, STAT 6620 Non Parametric Statistics, STAT 6630 Sample Survey Design and Analysis

### **TECH List of Approved Electives effective Spring term, 2010**

Any INSY course not required for the major  
COMP 5000 Web Application Development (Senior Standing)  
ELEC 3820 Industrial Instrumentation (Pre-req ELEC 3810)  
ELEC 5150 Information Security (Senior Standing)  
MATL 3100 Eng. Material-Metals (Pre-req MATL 2100)  
MECH 3220 Computer Aided Engineering (Pre-req ENGR 1110, COMP 1200, co-req MATH 2650)  
MECH 5510 Acoustics (Pre-req MATH 2650)  
STAT 4610 Applied Regression Analysis (Pre-req STAT 3610 or STAT 3010)  
STAT 4620 Applied Nonparametric Statistics (Pre-req STAT 3610 or STAT 3010)  
STAT 4630 Applied Time-Series Analysis (Pre-req STAT 3610 or STAT 3010)  
STAT 5630 Sample Survey, Design and Analysis (Pre-req STAT 3600)  
STAT 5670 Probability and Stochastic Processes (Pre-req MATH 2630)  
STAT 5690 Chaotic and Random Phenomena (Pre-req MATH 1620)

**NOTE:** Six (6) hours of ROTC required courses count as the ENGR elective and the TECH elective. Three (3) hours of BET required courses count as a TECH elective.