

## Acceptable ME Technical Electives from Other Departments

These are courses that we have recently evaluated as possible ME Technical Electives. This is not a complete list, so feel free to make requests for approval of other courses as ME Technical Electives. In general, a course from another department must be junior or senior level in order to be acceptable. Be sure that any pre-reqs or co-reqs are satisfied before enrolling.

### Acceptable Courses

BIOENG1050	Artificial Organs 1
BIOENG1531	Fundamentals of Biochemical Engineering
CEE1217	Green Building and Construction
CEE1703	Transportation Engineering
ECE1185	Computer Systems Interfacing
ECE1201	Electronic Measurements and Circuits Lab
ECE1212	Electronic Design Lab
ECE1236	Electronic Design with Integrated Circuits
ECE1259	Electromagnetics 1
ECE1673	Linear Control Systems (Dynamic Systems Elective)
ECE1769	Power System Analysis 1
EE1185	Computer System Interfacing
EE1192	Intro to VLSI Design
EE1552	Signals and Systems Analysis
EE1700	Construction and Cost of Electrical Supply
ENGR0240	Nanotechnology and Nano-Engineering
ENGR0241	Fabrication and Design in Nanotechnology
ENGR1050	Product Realization
ENGR1051	Business Plan to Product Implementation
ENGR1500	Ethical Dilemmas Balancing Cost, Risk, and Scheduling
ENGR1630	Underground Coal Mining
IE1012	Manufacture of Structural Nanomaterials
IE1013	Manufacturing Process Engineering
IE1014	Database Design
IE1033	Board Governance and Management
IE1035	Engineering Management
IE1052	Manufacturing Processes and Analysis
IE1055	Facility Design
IE1057	Computer Aided Manufacturing
IE1062	Data Mining
IE1076	Total Quality Management
IE 1079	Logistics and Supply Chain Engineering
IE1080	Supply Chain Management
IE1081	Operations Research
IE1087	Finite Element Analysis in Product Design
IE1089	Rapid Prototyping and Reverse Engineering
IE2003	Engineering Management
PETE1160	Petroleum Res. Engineering

### Unacceptable Courses

BIOENG1210	Bioengineering Thermodynamics
BIOENG1630	Biomechanics I: Mechanical Principles of Biological Systems
CEE1503	Introduction to Environmental Engineering
IE1040	Engineering Economic Analysis
IE1051	Computer Aided Design
IE1054	Productivity Analysis
IE1061	Human Factors Engineering