

ME ELECTIVES

<u>Course</u>	<u>Name</u>
BIOL-141/142	GENERAL BIOLOGY AND LABORATORY
BIOL-241/242	HUMAN BIOLOGY AND LABORATORY
BIOL-341	ANATOMY AND PHYSIOLOGY
BUSN-572	INNOVATION AND NEW VENTURES
CE-210	DIGITAL SYSTEMS I
CE-310	DIGITAL SYSTEMS II
CE-320	MICROCOMPUTERS I
CE-480	COMPUTER NETWORKS
CHEM-223	INTRODUCTION TO POLYMER SCIENCE
CHEM-237/238	GENERAL CHEMISTRY II AND LABORATORY
CHEM-337/338	FUEL CELL ELECTROCHEMISTRY AND LABORATORY
CHEM-345/346	ORGANIC CHEMISTRY I AND LABORATORY
CHEM-347/348	ORGANIC CHEMISTRY II AND LABORATORY
CHEM-351/352	BIOCHEMISTRY AND LABORATORY
CHEM-361/362	PHYSICAL CHEMISTRY I AND LABORATORY
CHEM-363/364	PHYSICAL CHEMISTRY II AND LABORATORY
EE-210/211	CIRCUITS I AND LABORATORY
EE-310	CIRCUITS II
EE-320/321	ELECTRONICS I AND LABORATORY
EE-322	APPLIED POWER ELECTRONICS
EE-325	PRINCIPLES OF MICROELECTRONIC PROCESSING
EE-330	DIGITAL SIGNAL PROCESSING
EE-340	ELECTROMAGNETIC WAVE PROPAGATION
EE-342	ELECTRICAL MACHINES
EE-344	FUNDAMENTALS OF POWER SYSTEMS
EE-346	HIGH VOLTAGE GENERATION AND MEASUREMENT TECHNIQUES
EE-348	ELECTROMAGNETIC COMPATIBILITY
EE-420	ELECTRONICS II
EE-424	POWER ELECTRONICS AND APPLICATIONS
EE-426	SOLID STATE DEVICES
EE-430	COMMUNICATION SYSTEMS
EE-432	FEEDBACK CONTROL SYSTEMS
EE-520	ELECTRONIC CIRCUITS AND SYSTEMS
EE-524	FUEL CELL SYSTEM INTEGRATION AND PACKAGING
EE-530	DIGITAL CONTROL SYSTEMS
EE-580	AUTOMOTIVE ELECTRONIC SYSTEMS
EE-582	ROBOT DYNAMICS AND CONTROL
EE-584	WIRELESS COMMUNICATIONS FOR AUTOMOTIVE APPLICATIONS
IME-202	MATERIALS AND PROCESS SELECTION
IME-321	SYSTEMS MODELING I: DETERMINISTIC MODELS
IME-332	ENGINEERING STATISTICS II: STATISTICAL INFERENCE AND REGRESSION
IME-333	ENGINEERING STATISTICS III: DESIGN OF EXPERIMENTS
IME-352	SYSTEMS ANALYSIS II: PRODUCTION SYSTEMS DESIGN
IME-361	WORK DESIGN I: METHODS & STANDARDS
IME-403	COMPUTER NUMERICAL CONTROL MACHINING
IME-404	SHEET METAL FORMING
IME-405	CASTING PROCESSES
IME-406	JOINING PROCESSES
IME-408	AUTOMATION WITH ROBOTICS AND CNC
IME-409	COMPUTER INTEGRATED MANUFACTURING
IME-412	APPLIED CONTROL SYSTEMS DESIGN
IME-474	DESIGN FOR MANUFACTURE AND ASSEMBLY
IME-507	POLYMER PROCESSING

ME ELECTIVES

IME-564	ETHICS AND PRACTICE OF ENGINEERING
IME-575	FAILURE ANALYSIS
MATH-307	MATRIX ALGEBRA
MATH-313	BOUNDARY VALUE PROBLEMS
MATH-317	ADVANCED MATRIX THEORY
MATH-321	REAL ANALYSIS I
MATH-328	METHODS OF APPLIED MATHEMATICS
MATH-412	COMPLEX VARIABLES
MATH-416	VECTOR ANALYSIS
MATH-420	MATHEMATICAL MODELING
MATH-421	REAL ANALYSIS II
MATH-423	PARTIAL DIFFERENTIAL EQUATIONS
MATH-426	MATHEMATICAL STATISTICS I
MATH-427	MATHEMATICAL STATISTICS II
MATH-428	SAMPLING THEORY
MATH-438	DATA ANALYSIS FOR ENGINEERING AND SCIENTISTS
MECH-350	INTRODUCTION TO BIOENGINEERING APPLICATIONS
MECH-412	DESIGN OF MECHANICAL COMPONENTS II
MECH-448	VEHICLE DESIGN PROJECT
MECH-490	FLUID POWER SYSTEMS
MECH-510	ANALYSIS AND DESIGN OF MACHINES AND MECHANICAL ASSEMBLIES
MECH-512	MECHANICAL SYSTEMS DESIGN PROJECT
MECH-514	EXPERIMENTAL MECHANICS
MECH-515	FAILURE AND MATERIAL CONSIDERATIONS IN DESIGN
MECH-516	INTRODUCTION TO FINITE ELEMENT ANALYSIS WITH STRUCTURAL APPLICATION
MECH-521	ENERGY AND ENVIRONMENTAL SYSTEMS DESIGN
MECH-522	ENGINEERING ANALYSIS
MECH-526	FUEL CELL SCIENCE & ENGINEERING
MECH-540	INTRODUCTION TO INTERNAL COMBUSTION ENGINES AND AUTOMOTIVE POWER SYSTEMS
MECH-541	ADVANCED AUTOMOTIVE POWER SYSTEMS
MECH-542	CHASSIS SYSTEM DESIGN
MECH-544	INTRODUCTION TO AUTOMOTIVE POWERTRAINS
MECH-545	HYBRID ELECTRIC VEHICLE PROPULSION
MECH-546	VEHICLE SYSTEMS DYNAMICS
MECH-550	AUTOMOTIVE BIOENGINEERING: OCCUPANT PROTECTION AND SAFETY
MECH-551	VEHICULAR CRASH DYNAMICS AND ACCIDENT RECONSTRUCTION
MECH-554	BIOENGINEERING APPLICATIONS PROJECT
MECH-580	PROPERTIES OF POLYMERS
MECH-584	PLASTICS PRODUCT DESIGN
PHYS-342	MATERIALS SCIENCE
PHYS-362	MODERN PHYSICS
PHYS-372	OPTICS I
PHYS-374	LASERS AND OPTOELECTRONICS
PHYS-382	ACOUSTICS I: SOUNDS AND SOURCES
PHYS-412	THEORETICAL MECHANICS
PHYS-442	PHYSICS OF SEMICONDUCTOR DEVICES
PHYS-452	THERMODYNAMICS AND STATISTICAL PHYSICS
PHYS-462	QUANTUM PHYSICS
PHYS-472	OPTICS II
PHYS-482	ACOUSTICS II: SOUND AND VIBRATION
PHYS-484	ACOUSTICAL MEASUREMENTS