Chemical Engineering and Chemical and Biological Engineering Approved Tech Electives

ACCT 3220	Corporate Financial Reporting 1
ACCT 3230	Corporate Financial Reporting 2
ACCT 3320	Cost Management
ACCT 4240	Advanced Financial Accounting
ACCT 4250	Financial Statement Analysis
ACCT 4330	Advanced Cost Management
ACCT 4430	Personal Financial Training
ACCT 4440	Income Taxation
ACCT 4540	Accounting Information Systems
ACCT 4620	Auditing and Assurance Services
ACCT 4700	International Accounting
ACCT 4800	Accounting for Gov and Nonprofit Orgs
ANTH 2010	Introduction to Physical Anthropology
ANTH 2020	Introduction to Physical Anthropology 2
ANTH 2040	Lab in Physical Anthropology
ANTH 3000	Primate Behavior
ANTH 3010	The Human Animal
ANTH 4000	Quantitative Methods
ANTH 4060	Nutrition and Anthropology
ANTH 4070	Methods in Biological Anthropology
ANTH 4110	Human Evolutionary Biology
ANTH 4120	Advanced Physical Anthropology
ANTH 4130	Advanced Osteology
ANTH 4170	Primate Evolutionary Biology
ANTH 4240	Geoarchaeology
ANTH 4380	Lithic Analysis and Replication
APPM 1710	Application to games Development 1
APPM 1720	Application to games Development 2
APPM 2750	Java: Training, Mathematical Algorithms, and Mobile Apps
APPM 3010	An Introduction to Nonlinear Systems: Chaos
APPM 3050	Scientific Computing in Matlab
APPM 3170	Discrete Applied Mathematics
APPM 3310	Matrix Methods and Applications
APPM 3570	Applied Probability
APPM 4120	Introduction to Operations Research
APPM 4350	Methods in Applied Math: Fourier Series
APPM 4360	Methods in Applied Math: Complex Variables
APPM 4380	Modeling in Applied Mathematics
APPM 4390	Modeling in Mathematical Biolog
APPM 4440	Undergraduate Applied Analysis 1
APPM 4450	Undergraduate Applied Analysis 2
APPM 4520	Introduction to Mathematical Statistics
APPM 4540	Introduction to Time Series
APPM 4560	Markov Processes, Queues & Monte Carlo Sim
APPM 4570	Statistical Methods
APPM 4580	Statistical Applications: Software and Methods

Chemical Engineering and Chemical and Biological Engineering Approved Tech Electives

APPM 4650	Intermediate Numerical Analysis 1
APPM 4660	Intermediate Numerical Analysis 2
APPM 4720	Open Topics in Applied Mathematics
AREN 1027	Engineering Drawing
AREN 1316	Intro to AREN
AREN 2050	Engineering Systems for Buildings
AREN 2406	Introduction to Building Construction
AREN 3010	Mechanical Systems for Buildings
AREN 3050	Environmental Systems for Buildings 1
AREN 3060	Environmental Systems for Buildings 2
AREN 3130	Building Energy Laboratory
AREN 3140	Illumination Laboratory
AREN 3540	Illumination 1
AREN 4010	HVAC System Controls
AREN 4035	Architectural Structures 1
AREN 4045	Architectural Structures 2
AREN 4110	HVAC Design 1
AREN 4315	Design of Masonry Structures
AREN 4317	Architectural Engineering Design
AREN 4416	Construction Costs and Estimating
AREN 4420	Cost Engineering
AREN 4466	Construction Planning and Scheduling
AREN 4540	Exterior Lighting Systems
AREN 4550	Illuminations 2
AREN 4560	Luminous Radiative Transfer
AREN 4570	Building Electrical Systems Design 1
AREN 4580	Daylighting
AREN 4590	Computer Graphics in Lighting Engineering
ASEN 1000	Intro to ASEN
ASEN 1400	Gateway to Space (was ASEN 2500)
ASEN 3112	Structures
ASEN 3116	Introduction to Biomedical Engineering
ASEN 3128	Aircraft Dynamics
ASEN 3200	Orbital Mechanics
ASEN 3300	Electronics and Communications
ASEN 4010	Intro to Space Dynamics
ASEN 4012	Aerospace Materials
ASEN 4013	Foundations of Propulsion
ASEN 4090	Global Positioning Systems Applications
ASEN 4114	Automatic Control Systems
ASEN 4123	Vibration Design
ASEN 4128	Human Factors in Engineering and Design
ASEN 4138	Aircraft Design
ASEN 4148	Spacecraft Design
ASEN 4215	Descriptive Physical Oceanography
ASEN 4216	Neural Signals and Functional Brain Imaging

Chemical Engineering and Chemical and Biological Engineering Approved Tech Electives

ASEN 4218	Large Space Structures Design
ASEN 4222	Materials Science for Composite Manufacturing
ASEN 4238	Computer Aided Control System Design
ASEN 4248	Computer Aided Control System Design 2
ASEN 4255	Environmental Aerodynamics
ASEN 4338	Computer Analysis of Structures
ASEN 4426	Neural Systems and Physiological Control
ASEN 4436	Brains, Minds, Computers
ASTR 1000	General Astronomy - the Solar System (was ASTR 1110)
ASTR 1030	Accelerated Introduction Astronomy 1
ASTR 1040	Accelerated Introduction Astronomy 2
ASTR 1200	General Astronomy - Stars and Galaxies (was ASTR 1120)
ASTR 1400	Gateway to Space
ASTR 2020	Introduction to Space Astronomy
ASTR 2030	Black Holes
ASTR 2600	Computational techniques
ASTR 3300	Extraterrestrial Life
ASTR 3510	Observations and Instrumentation 1
ASTR 3520	Observations and Instrumentation 2
ASTR 3710	Formation and Dynamics of Planetary Systems
ASTR 3720	Plants and Their Atmospheres
ASTR 3730	Astrophysics 1 - Stellar and Interstellar
ASTR 3740	Cosmology and Relativity
ASTR 3750	Planets, Moons, and Rings
ASTR 3760	Solar and Space Physics
ASTR 3800	Introduction to Scientific Data Analysis and Computing
ASTR 3830	Astrophysics 2 - Galactic and Extragalactic
ASTR 4330	Cosmochemistry
ATOC 3070	Introduction to Oceanography
ATOC 3180	Aviation Metrology
ATOC 3300	Analysis of Climate and Weather Observation
ATOC 3500	Air Chemistry and Pollution
ATOC 3600	Principles of Climate
ATOC 3720	Planets and Their Atmospheres
ATOC 4215	Oceanography
ATOC 4720	Intro to Atmospheric Physics and Dynamics
ATOC 4750	Desert Meteorology and Climate
BCOR 2000	Accounting and Financial Analysis
BCOR 2200	Introductory Finance
BCOR 2300	Adding Value with Management
BCOR 2400	Fundamentals of Marketing
BCOR 2500	Introduction to Operations and Information Management
BSLW 4120	Advanced Business Law

Chemical Engineering and Chemical and Biological Engineering Approved Tech Electives

BUSM 2001	Principles of Marketing and Management
BUSM 2002	Principles of Financial Accounting and Finance
BUSM 3001	Managing Innovation in Organizations
BUSM 3002	Business and Financial Analytics
BUSM 3003	New Venture Creation
BUSM 4001	Professional Business/Venture Plan Development for Business Minor
CHEM 4011	Modern Inorganic Chemistry
CHEM 4021	Inorganic Laboratory
CHEM 4171	Instrumental Analysis
CHEM 4181	Instrumental Anal Lab w/ Environ Emphasis
CHEM 4271	Chemistry of Solar Energy
CHEM 4431	Physical Chem with Biochem Applications 2
CHEM 4531	Physical Chemistry 2
CHEM 4541	Physical Chemistry Laboratory for Engineers
CHEM 4581	Physical Chemistry Lab 1
CHEM 4591	Physical Chemistry Lab 2
CHEM 4611	Survey of Biochemistry
CHEM 4621	Genome Databases
CHEM 4711	Biochem 1
CHEM 4731	Biochem 2
CHEM 4751	Current Topics in Biochemical Research
CHEM 4761	Biochem Lab
CHEM 4791	Bioorganic Chem in Biotech
COEN 1400	Engineering projects
COEN 1410	Social Innovation
COEN 1500	Intro to Engineering
CSCI 1000	Intro to CSCI
CSCI 1300	Programming
CSCI 2270	Computer Science 2: Data Structures
CSCI 2400	Computer systems
CSCI 2824	Discrete Structures
CSCI 3002	Human-Centered Computing Foundations
CSCI 3104	Algorithms
CSCI 3155	Principles of Programming Languages
CSCI 3202	Introduction to Artificial Intelligence
CSCI 3287	Database and Information Systems
CSCI 3308	Software Engineering Methods and Tools
CSCI 3434	Theory of Computation
CSCI 3656	Numerical Computation
CSCI 3702	Cognitive Science
CSCI 3753	Operating Systems
CSCI 4000	Entrepreneurship in Computing
CSCI 4113	UNIX System Administration
CSCI 4123	Network laboratory
CSCI 4133	Security Laboratory

Chemical Engineering and Chemical and Biological Engineering Approved Tech Electives

CSCI 4202	Artificial Intelligence 2
CSCI 4229	Computer Graphics
CSCI 4273	Network Systems
CSCI 4308	Software Engineering project 1
CSCI 4312	Health Informatics
CSCI 4314	Algorithms for Modern Biology
CSCI 4317	Genome Databases
CSCI 4318	Software Engineering Project 2
CSCI 4342	Groupware and Workflow Systems
CSCI 4446	Chaotic Dynamics
CSCI 4448	Object Oriented Analysis and Design
CSCI 4555	Compiler Construction
CSCI 4576	High Performance Scientific Computing 1
CSCI 4586	High Performance Scientific Computing 2
CSCI 4593	Computer Organization
CSCI 4753	Computer Performance Modeling
CSCI 4809	Computer Animation
CSCI 4838	User Centered Design

CVEN 1317	Intro to CVEN CVEN
2012	Intro to Geomatics
CVEN 2121	Analytical Mechanics 1
CVEN 3022	Construction Surveying
CVEN 3032	Photogrammetry
CVEN 3111	Analytical Mechanics 2
CVEN 3246	Introduction to Construction
CVEN 3256	Construction Equipment and Methods
CVEN 3323	Hydraulic Engineering
CVEN 3414	Fundamentals of Environmental Engineering
CVEN 3424	Water and Waste water Treatment
CVEN 3434	Introduction to Applied Ecology
CVEN 3525	Structural Analysis
CVEN 3602	Transportation Systems
CVEN 3698	Engineering Geology
CVEN 3708	Geotechnical Engineering 1
CVEN 3718	Geotechnical Engineering 2
CVEN 4087	Contract Administration
CVEN 4147	Civil Engineering Systems
CVEN 4266	Project Administration
CVEN 4323	Water Resource Engineering Design
CVEN 4333	Engineering Hydrology
CVEN 4343	Open Channel Hydraulics
CVEN 4353	Groundwater Engineering
CVEN 4404	Water Chemistry
CVEN 4414	Water Chemistry Lab
CVEN 4424	Environmental Organic Chemistry
CVEN 4434	Environmental Engineering Design
CVEN 4474	Hazardous and Industrial Waste Management

Chemical Engineering and Chemical and Biological Engineering Approved Tech Electives

CVEN 4484	Intro to Environmental Microbiology
CVEN 4511	Finite Element Analysis
CVEN 4525	Analysis of Framed Structures
CVEN 4537	Numerical Methods in Civil Engineering
CVEN 4545	Steel Design
CVEN 4555	Reinforced Concrete Design
CVEN 4565	Timber Design
CVEN 4700	Sustainability and the Built Environment
CVEN 4718	Mechanics and Dynamics of Glaciers
CVEN 4728	Foundation Engineering
CVEN 4822	Geographical Information Systems

EBIO 1230	Lab
EBIO 1240	Lab
EBIO 2040	Ecology
EBIO 2070	Genetics
EBIO 2500	Horticulture
EBIO 3040	Conservation Biology
EBIO 3080	Evolutionary Biology
EBIO 3170	Arctic and Alpine Ecology
EBIO 3175	Arctic and Alpine Ecology Lab
EBIO 3190	Tropical marine Ecology
EBIO 3240	Animal behavior
EBIO 3270	Ecosystem Ecology
EBIO 3400	Microbiology
EBIO 3630	Parisitology
EBIO 3770	Animal Diversity- vert
EBIO 3850	Animal Diversity – Invert
EBIO 4020	Stream Biology
EBIO 4030	Limnology
EBIO 4060	Coral Reef Ecology
EBIO 4060	Landscape Ecology
EBIO 4100	Advanced Ecology
EBIO 4110	Advanced Ecology
EBIO 4140	Plant Ecology
EBIO 4160	Intro to Biogeochemistry
EBIO 4290	Molecular systematics
EBIO 4410	Biometry
EBIO 4500	Plant diversity and evolution
EBIO 4510	Plant anatomy and development
EBIO 4520	Plant Systematics
EBIO 4530	Plant Biology
EBIO 4550	Plant Eco-Evo devo
EBIO 4570	Plant Physiology
EBIO 4660	Insect Biology
EBIO 4740	Bio of Amphibians and Reptiles
EBIO 4750	Ornithology
EBIO 4760	Mammalogy

Chemical Engineering and Chemical and Biological Engineering Approved Tech Electives

ECEN 1000	Freshman Seminar
ECEN 1100	Intro to Electrical Engineering
ECEN 1400	Introduction to Digital and Analog Electronics
ECEN 2120	Computers as Components
ECEN 2250	Circuits/Electronics 1
ECEN 2260	Circuits/Electronics 2
ECEN 2350	Digital Logic
ECEN 2420	Wireless Electronics for Communication
ECEN 2703	Discrete Mathematics for Computer Engineers
ECEN 3030	Electrical/Electronic Circuits Non-Major
ECEN 3170	Energy Conservation 1
ECEN 3250	Circuits/Electronics 3
ECEN 3300	Linear Systems
ECEN 3320	Semiconductor Devices
ECEN 3400	Electromagnetic Fields and Waves
ECEN 3410	Electromagnetic Waves and Transmission
ECEN 3810	Introduction to Probability Theory
ECEN 4106	Photonics
ECEN 4109	Very Large Scale Integrated System Design
ECEN 4116	Intro to Optical Communications
ECEN 4120	Neural Network Design
ECEN 4138	Control Systems Analysis
ECEN 4167	Energy Conservation 2
ECEN 4224	High Speed Digital Design
ECEN 4242	Communication Theory
ECEN 4324	Fundamentals of Microsystem Packaging
ECEN 4345	Introduction to Solid State
ECEN 4375	Microstructures Laboratory
ECEN 4423	Chaotic Dynamics
ECEN 4517	Renewable and Power Electronics Laboratory
ECEN 4532	Digital Signal Processing Laboratory
ECEN 4553	Introduction to Complier Construction
ECEN 4555	Principles of Energy Systems and Design
ECEN 4583	Software System Development
ECEN 4593	Computer Organization
ECEN 4606	Undergraduate Optics Laboratory
ECEN 4613	Embedded System Design
ECEN 4616	Optoelectric System Design
ECEN 4623	Real Time Embedded Systems
ECEN 4632	Introduction to Digital Filtering
ECEN 4633	Hybrid Embedded System
ECEN 4634	Microwave and RF Lab
ECEN 4638	Control Systems Lab
ECEN 4645	Introduction to Optical Electronics
ECEN 4652	Communication Laboratory
ECEN 4653	Real-Time Digital media
ECEN 4696	Optical Circuits Lab
ECEN 4753	Computer Performance Modeling

Chemical Engineering and Chemical and Biological Engineering Approved Tech Electives

ECEN 4797	Introduction to Power Electronics
ECEN 4811	Neural Signals and Functional Brain Imaging
ECEN 4821	Neural Systems and Physiological Control
ECEN 4827	Analog IC Design
ECEN 4831	Brains, Minds, Computers
ECON 3818	Intro to Statistics with computer applications
ECON 4808	Introduction to Mathematical Economics
ECON 4818	Intro to Econometrics
ECON 4838	Microcomputer applications in Economics
ECON 4848	Applied Econometrics
EMEN 4030	Project Management System
EMEN 4050	Leadership and professional Skills
EMEN 4100	Business Methods and Economics
EMEN 4800	Entrepreneurial Marketing
EMEN 4825	Entrepreneurial Business Plan preparation
EMEN 5830	Fundamentals of Systems Engineering
ENVS 3001	Sustainable solutions
ENVS 3040	Conservation Biology
ENVS 3434	Intro to Applied Ecology
ENVS 3600	Principles of Climate
ENVS 4160	Intro to Biogeochemistry
ENVS 4201	Biometeorology
ESBM 3700	Entrepreneurial Environments
ESBM 4570	Entrepreneurial Finance
ESBM 4820	Engineering Entrepreneurship
EVEN 1000	Intro to EVEN
EVEN 4100	Environmental Sampling and Analysis
FNCE 3010	Corporate Finance
FNCE 3700	Financial Markets and Institutions
FNCE 4000	Financial Institutions Management
FNCE 4030	Investment and Portfolio Management
FNCE 4040	Derivative Securities
FNCE 4050	Capital Investment Analysis
GEEN 3400	Invention and Innovation
GEEN 3851	Statics for Engineers
GEEN 3854	Circuits for non-majors
GEOG 1001	Environ Systems 1- Climate and Vegetation
GEOG 1011	Environ Systems 2 - Landscapes and Water
GEOG 2053	Mapping a Changing World

Chemical Engineering and Chemical and Biological Engineering Approved Tech Electives

GEOG 3053	Cartography: Visualization and Information Design
GEOG 3251	Mountain Geography
GEOG 3301	Analysis of Climate and Weather Observation
GEOG 3351	Biogeography
GEOG 3511	Introduction to Hydrology
GEOG 3601	Principles of Climate
GEOG 4023	Introduction to Quantitative Methods in Human Geography
GEOG 4033	Quantitative Methods in Geography Laboratory
GEOG 4043	Cartography 2: Interactive and Multimedia Mapping
GEOG 4083	Mapping from Remotely Sensed Imagery
GEOG 4093	Remote Sensing of the Environment
GEOG 4103	Introduction to Geographic Information Science
GEOG 4201	Biometeorology
GEOG 4203	Geographic Information Science: Modeling Applications
GEOG 4211	Physical Climatology – Principles
GEOG 4231	Physical Climatology/Field Methods
GEOG 4241	Principles of Geomorphology
GEOG 4251	Fluvial Geomorphology
GEOG 4261	Glaciers and Permafrost
GEOG 4271	The Arctic Climate System
GEOG 4291	Mountain Geomorphology
GEOG 4303	GIS Programming for Spatial Analysis
GEOG 4311	Watershed Biogeochemistry
GEOG 4321	Hydrology
GEOG 4331	Mountain Climatology
GEOG 4371	Forest Geography: Principles and Dynamics
GEOG 4401	Soils Geography
GEOG 4411	Methods of Soil Analysis
GEOG 4501	Water Res and Water Man of Western U
GEOL 1010	Introduction to Geology 1
GEOL 1020	Introduction to Geology 2
GEOL 1030	Introduction to Geology Laboratory 1
GEOL 1040	Geology of Colorado
GEOL 1060	Global Change An Earth Science Perspective
GEOL 2001	Planet earth
GEOL 2100	Environmental Geology
GEOL 2110	Physical Science of the Earth System
GEOL 2700	Introduction to Field Geography
GEOL 3010	Introduction to Mineralogy
GEOL 3020	Petrology
GEOL 3023	Statistics for Earth Sciences
GEOL 3030	Introduction to Hydrogeology
GEOL 3040	Global Change: The Recent Geological Record
GEOL 3050	GIS for Geologists
GEOL 3070	Introduction to Oceanography
GEOL 3120	Structural Geology
GEOL 3130	Global Warming

Chemical Engineering and Chemical and Biological Engineering Approved Tech Electives

GEOL 3230	Earth Materials
GEOL 3300	Extraterrestrial Life
GEOL 3320	Introduction to Geochemistry
GEOL 3410	Paleobiology
GEOL 3430	Sedimentology and Stratigraphy
GEOL 3500	Earth Resources and the Environment
GEOL 3540	Intro to Hydrocarbon Geology
GEOL 3720	Evolution of Life: The Geological Record
GEOL 3820	The Fluid Earth
GEOL 3950	Natural Catastrophes and Geologic Hazards
GEOL 4060	Oceanography
GEOL 4070	Paleoclimatology
GEOL 4093	Remote Sensing of the Environment
GEOL 4130	Principals of Geophysics
GEOL 4160	Introduction to Biogeochemistry
GEOL 4241	Principles of Geomorphology
GEOL 4270	Marine Chemistry
GEOL 4330	Cosmochemistry
GEOL 4474	Vertebrate paleontology
GEOL 4550	Petroleum Reservoir modeling
GEOL 4670	Isotope Geology
GEOL 4711	Igneous and Metamorphic Field Geology
GEOL 4712	Structural Field Geology
GEOL 4714	Field Geophysics
GEOL 4715	Field Tech in Surficial Geol and Geohydrology
GEOL 4716	Environmental Field Geochemistry
GEOL 4717	Field Seminar in Geology and Tectonics
GEOL 4750	Field Techniques in Hydrogeology
INBU 4200	International Financial management
INBU 4300	International Business and management
IPHY 3060	Cell Physiology
IPHY 3130	Environmental Animal Physiology
IPHY 3410	Introduction to Human Anatomy
IPHY 3415	Human Anatomy Laboratory
IPHY 3420	Nutrition, Health and Performance
IPHY 3430	Intro to Human Physiology IPHY
3435	Human Physiology Laboratory
IPHY 3450	Comparative Animal Physiology
IPHY 3470	Human Phys 1
IPHY 3480	Human Phys 2
IPHY 3660	Dynamics of Motor Learning
IPHY 3730	Brain and Behavior
IPHY 3800	Forensic Biology
IPHY 3810	Forensic Biology Laboratory
IPHY 4200	Physiological Genetics and Genomics
IPHY 4440	Endocrinology

Chemical Engineering and Chemical and Biological Engineering Approved Tech Electives

IPHY 4470	Biology of Human Reproduction
IPHY 4480	Comparative Reproduction
IPHY 4500	Histology
IPHY 4540	Biomechanics
IPHY 4580	Sleep Physiology
IPHY 4600	Immunology
IPHY 4650	Exercise Physiology
IPHY 4720	Neurophysiology
IPHY 4730	Motor Control
LING 3100	Language Sound Structures
LING 4420	Morphology and Syntax
MATH 2520	Biometry
MATH 3001	Analysis
MATH 3110	Introduction to Theory of Numbers
MATH 3120	Functions and Modeling
MATH 3130	Introduction to Linear Algebra
MATH 3140	Abstract Algebra 1
MATH 3170	Combinatorics 1
MATH 3210	Euclidean and Non-Euclidean Geometries
MATH 4000	Foundations of Mathematics
MATH 4001	Analysis 2
MATH 4120	Introduction to Operations Research
MATH 4140	Abstract Algebra 2
MATH 4200	Intro to Topology
MATH 4210	Euclidean and Non-Euclidean Geometries 2
MATH 4230	Geometry of Curves and Surfaces
MATH 4320	Multivariable Analysis
MATH 4330	Fourier Analysis
MATH 4430	Ordinary Differential Equations
MATH 4440	Mathematics and Coding and Cryptography
MATH 4450	Introduction to Complex Variables
MATH 4470	Partial Differential Equations 1
MATH 4510	Introduction to Probability Theory
MATH 4540	Introduction to Time Series
MATH 4650	Intermediate Numerical Analysis
MATH 4660	Intermediate Numerical Analysis 2
MATH 4730	Set Theory
MCDB 1151	Intro to Cellular Biology Lab
MCDB 1161	From Dirt to DNA: Phage Genomics Laboratory I
MCDB 2150	Principles of Genetics
MCDB 2151	Principles of Genetics Laboratory
MCDB 2161	From DNA to Genes, Phage Genomics Laboratory II
MCDB 3135	Cell Biology
MCDB 3140	Cell Biology Laboratory
MCDB 3145	Molecular Cell Biology II

Approved Tech Electives

MCDB 3150	Biology of the Cancer Cell
MCDB 3280	Molecular Cell Physiology
MCDB 3350	Fertility, Sterility, and Early Mammalian Development
MCDB 3650	The Brain - From Molecules to Behavior
MCDB 4130	Biological Electron Microscopy: Principles and Recent Advances
MCDB 4201	From Bench to Bedside: The Role of Science in Medicine
MCDB 4202	The Python Project
MCDB 4300	Immunology
MCDB 4310	Microbial Genetics and Physiology
MCDB 4314	Algorithms for Molecular Biology
MCDB 4330	Bacterial Disease Mechanisms
MCDB 4350	Microbial Diversity and the Biosphere
MCDB 4361	Evolution and Development
MCDB 4410	Human Molecular Genetics
MCDB 4425	Cellular Stress Responses: Molecular Mechanisms, Physiology, and Human Diseases
MCDB 4426	Cell Signaling and Developmental Regulation
MCDB 4444	The Cellular Basis of Disease
MCDB 4471	Mechanisms of Gene Regulation in Eukaryotes
MCDB 4501	Structural Methods for Biological Macromolecules
MCDB 4520	Bioinformatics and Genomics
MCDB 4550	Cellular and Molecular Motion, A Biophysical Approach
MCDB 4600	Molecular Approaches to Human Diseases
MCDB 4615	Biology of Stem Cells
MCDB 4621	Genome Databases: Mining and Management
MCDB 4650	Developmental Biology
MCDB 4660	Dev Biology Lab
MCDB 4680	Mechanisms of Aging
MCDB 4750	Animal Virology
MCDB 4777	Molecular Neurobiology
MCDB 4790	Experimental Embryology
MCDB 4810	Insane in the Membrane: The Biology and Biophysics of the Membrane

MCEN 1025	CAD
MCEN 1000	Freshman Seminar
MCEN 2023	Statics and Structures
MCEN 2063	Mechanics of Solids
MCEN 3017	Circuits
MCEN 3023	Component Design
MCEN 3030	Computational methods
MCEN 3032	Thermodynamics 2
MCEN 3043	Dynamics
MCEN 4026	Manufacturing processes and Systems
MCEN 4043	System Dynamics
MCEN 4115	Mechatronics
MCEN 4117	Anatomy and Physiology for Engineers
MCEN 4123	Vibration Analysis
MCEN 4124	Mechanical Behavior of Materials
MCEN 4131	Air Pollution Control Engineering

Approved Tech Electives

MCEN 4133	Biomechanics of Solids
MCEN 4141	Indoor Air Pollution
MCEN 4152	Introduction to Combustion
MCEN 4162	Energy Conversion
MCEN 4173	Finite Element Analysis
MCEN 4174	Failure of Materials
MCEN 4183	Mechanics of Composite Materials
MGMT 3030	Critical Leadership Skills
MGMT 4000	Strategic Management
MGMT 4070	International Operations Management
MGMT 4080	Sustainable Operations
MGMT 4085	Project Management Systems
MGMT 4090	IT and Business Strategy
MKTG 3150	Sales Management
MKTG 3250	Buyer Behavior
MKTG 3350	Marketing Research
MKTG 3450	International Marketing
MKTG 4250	Product Strategy
MKTG 4350	Services Marketing Strategy
MKTG 4500	Advertising Management
MKTG 4550	Advertising and Promotion Management
MKTG 4650	Institutional Relationships and Strategy
MKTG 4800	Marketing Policies and Strategies
NAVR 3030	Naval Engineering Systems I
NAVR 3040	Weapons and Systems Analysis
NAVR 4030	Navigation
OPIM 2010	Business Application Programming
OPIM 3000	Systems Thinking
OPIM 3030	Management of Service Operations
OPIM 3100	Business Intelligence OPIM
3101	Business Technologies
OPIM 4040	IT and Business Strategy
OPIM 4050	Supply Chain Management
OPIM 4060	Managing Business Procedure
OPIM 4065	International Operations Management
OPIM 4075	Sustainable Operations
OPIM 4080	Project Management Systems
OPIM 4510	Design of Usable Business Systems
PHYS 1150	Experimental Physics 2
PHYS 2130	General Physics 3
PHYS 2150	Experimental Physics
PHYS 2160	Experimental Physics
PHYS 2170	Foundations of Modern Physics

Approved Tech Electives

PHYS 2210	Classical Mechanics and Math Methods 1
PHYS 3210	Classical Mechanics and Math Methods 2
PHYS 3220	Quantum Mechanics and Atomic Physics 1
PHYS 3310	Principles of Electricity and Magnetism 1
PHYS 3320	Principles of Electricity and Magnetism 2
PHYS 3330	Electronics for the Physical Sciences
PHYS 3340	Introductory Research in Optical Physics
PHYS 4130	Biol Electron Microscopy: Prin & and Recent Adv
PHYS 4150	Plasma Physics
PHYS 4230	Thermodynamics and Statistical Mechanics
PHYS 4340	Introduction to Solid State Physics
PHYS 4410	Quantum Mechanics and Atomic Physics 2
PHYS 4420	Nuclear and Particle Physics
PHYS 4510	Optics

PSYC 2012	Biological Psychology 1
PSYC 2022	Biological Psychology 2
PSYC 3005	Cognitive Science
PSYC 3102	Behavioral genetics
PSYC 4032	Neurobiology of Learning and memory
PSYC 4052	Behavioral Neuroscience
PSYC 4092	Hormones and Behavior
PSYC 4132	Behavioral Neuropharmacology
PSYC 4145	Advanced Cognitive Psychology
PSYC 4155	Cognitive Neuroscience
PSYC 4740	Biology of Amphibians and Reptiles