Physical Sciences

ANTHRO 132	Course Not Available	
ANTHRO 134	Analysis of the Archaeological Record	4
ANTHRO 134A	Field Course in Archaeological Methods	6
ARCH 39A	Freshman/Sophomore Seminar	2-4
ARCH 140	Energy and Environment	4
ARCH 149	Special Topics in Energy and Environment	1-4
ARCH 150	Introduction to Structures	4
ASTRON: Any course, except ASTRON 100		
BIO ENG C125	Introduction to Robotics	4
CHEM: Any course, except CHEM 20, CHEM 130A, and CHEM 130B		
CHM ENG 140	Introduction to Chemical Process Analysis	4
CHM ENG 141	Chemical Engineering Thermodynamics	4
CHM ENG 142	Chemical Kinetics and Reaction Engineering	4
CHM ENG 150A	Transport Processes	4
CHM ENG 150B	Transport and Separation Processes	4
CHM ENG 154	Chemical Engineering Laboratory	4
CHM ENG 160	Chemical Process Design	4
CHM ENG 162	Dynamics and Control of Chemical Processes	4
CHM ENG 170A	Biochemical Engineering	3
CHM ENG 176	Principles of Electrochemical Processes	3
CHM ENG 179	Process Technology of Solid-State Materials Devices	3
CIV ENG 70	Engineering Geology	3
CIV ENG 100	Elementary Fluid Mechanics	4
CIV ENG 103	Introduction to Hydrology	3
CIV ENG C106	Air Pollution	3
CIV ENG 111	Environmental Engineering	3
CIV ENG 112	Environmental Engineering Design	3
CIV ENG 115	Water Chemistry	3
CIV ENG C116	Chemistry of Soils	3
CIV ENG 122N	Design of Steel Structures	3
CIV ENG 123N	Design of Reinforced Concrete Structures	3
CIV ENG 124	Structural Design in Timber	3
CIV ENG 153	Transportation Facility Design	3
CIV ENG 166	Construction Engineering	3
CIV ENG 171	Rock Mechanics	3
CIV ENG 173	Groundwater and Seepage	3
CIV ENG 175	Geotechnical and Geoenvironmental Engineering	3
CIV ENG 177	Foundation Engineering Design	3
COMPSCI 61C	Machine Structures	4
COMPSCI 61CL	Machine Structures (Lab-Centric)	4
COMPSCI 188	Introduction to Artificial Intelligence	4
EL ENG 40	Course Not Available	4
EL ENG 42	Introduction to Digital Electronics	3
EL ENG 100	Electronic Techniques for Engineering	4
EL ENG 117	Electromagnetic Fields and Waves	4
EL ENG 121	Introduction to Digital Communication Systems	4
EL ENG 122	Introduction to Communication Networks	4
EL ENG 123	Digital Signal Processing	4
EL ENG C125	Course Not Available	
EL ENG 130	Integrated-Circuit Devices	4
EL ENG 140	Linear Integrated Circuits	4
EL ENG 141	Course Not Available	
EL ENG 142	Integrated Circuits for Communications	4
EL ENG 143	Microfabrication Technology	4
ENE,RES C100	Energy and Society	4
ENE,RES 102	Quantitative Aspects of Global Environmental Problems	4
ENGIN 45	Properties of Materials	3
ENGIN 117	Methods of Engineering Analysis	3
ENV SCI 10	Introduction to Environmental Sciences	3
EPS: Any course, except EPS 39A, EPS 60, EPS C100, EPS 104, EPS 106AC, and EPS 120		
ESPM 2	The Biosphere	3
ESPM 15	Introduction to Environmental Sciences	3
ESPM 120	Soil Characteristics	3
ESPM C128	Chemistry of Soils	3
ESPM C129	Biometeorology	3
ESPM 172	Photogrammetry and Remote Sensing	3
ESPM C180	Air Pollution	3
ESPM 181A	Fire Ecology	3
GEOG 1	Global Environmental Change	4
GEOG 40	Introduction to Earth System Science	4
GEOG C82	Oceans	3
GEOG C139	Atmospheric Physics and Dynamics	3
GEOG 140A	Physical Landscapes: Process and Form	4
GEOG 144	Principles of Meteorology	3
GEOG 171	Special Topics in Physical Geography	3
HISTORY 181B	Topics in the History of the Physical Sciences: Modern Physics: From the Atom to Big Science	4
IND ENG 130	Methods of Manufacturing Improvement	3
IND ENG 131	Discrete Event Simulation	3
IND ENG 140	Course Not Available	
IND ENG 150	Production Systems Analysis	3
IND ENG 161	Course Not Available	
IND ENG 162	Linear Programming and Network Flows	3
IND ENG 165	Engineering Statistics, Quality Control, and Forcasting	3
IND ENG 180	Senior Project	4
INTEGBI C82	Oceans	3
L & S C70T	The Planets	3
L & S C70U	Introduction to General Astronomy	4
L & S C70V	Descriptive Introduction to Physics	3
L & S C70W	Physics and Music	3
L & S C70Y	Earthquakes in Your Backyard	3
MAT SCI 102	Bonding, Crystallography, and Crystal Defects	3
MAT SCI 103	Phase Transformations and Kinetics	3
MAT SCI 104	Materials Characterization	4
MAT SCI 111	Properties of Electronic Materials	4
MAT SCI 112	Corrosion (Chemical Properties)	3
MAT SCI 117	Properties of Dielectric and Magnetic Materials	3
MAT SCI 120	Materials Production	3

MAT SCI 121	Metals Processing	3
MAT SCI 122	Ceramic Processing	3
MAT SCI 123	ELECTRONIC MATERIALS PROCESSING	4
MAT SCI 125	Thin-Film Materials Science	3
MEC ENG 101	Introduction to Lean Manufacturing Systems	3
MEC ENG 104	Engineering Mechanics II	3
MEC ENG 106	Fluid Mechanics	3
MEC ENG 109	Heat Transfer	3
MEC ENG 110	Introduction to Product Development	3
MEC ENG 122	Processing of Materials in Manufacturing	3
MEC ENG 130	Design of Planar Machinery	3
MEC ENG 132	Dynamic Systems and Feedback	3
MEC ENG 133	Mechanical Vibrations	3
MEC ENG C134	Feedback Control Systems	4
MEC ENG 135	Design of Microprocessor-Based Mechanical Systems	4
MEC ENG 140	Combustion Processes	3
MEC ENG 151	Advanced Heat Transfer	3
MEC ENG 163	Engineering Aerodynamics	3
MEC ENG 170	Engineering Mechanics III	3
MEC ENG 173	Fundamentals of Acoustics	3
MEC ENG 175	Intermediate Dynamics	3
MEC ENG 185	Introduction to Continuum Mechanics	3
NUC ENG 92	Course Not Available	2,3
NUC ENG 107	Introduction to Imaging	3
NUC ENG 124	Radioactive Waste Management	3
NUC ENG 150	Introduction to Nuclear Reactor Theory	4
NUC ENG 161	Nuclear Power Engineering	4
NUC ENG 162	Radiation Biophysics and Dosimetry	3
NUC ENG 180	Introduction to Controlled Fusion	3
PHYSICS: Any course, except PHYSICS 39		
PUB POL C184	Energy and Society	4