AREA 1, PROCESS SYSTEMS AND PRODUCT ENGINEERING

CHE 341, Design for Environment
CHE 342, Chemical Engineering Economics and Business Analysis
CHE 356, Optimization: Theory and Practice
CHE 376K, Process Evaluation and Quality Control
E E 370K, Computer Control Systems
E E 379K, Topic: Statistical Quality Control
ARE 323K, Project Management and Economics
M E 335, Engineering Statistics
M E 348D, Introduction to Mechatronics II
M E 353, Engineering Economics Analysis
M E 366L, Operations Research Models
MKT 320F, Foundations of Marketing
I B 378, International Business Operations
MKT 460, Information and Analysis
Upper-division mathematics course

M E 374S, Solar Energy Systems Design
M E 378C, Electroceramics
M E 378S, Structural Ceramics
PHY 338K, Electronic Techniques
PHY 355, Modern Physics for Engineers
PHY 375S, Introductory Solid-State Physics

AREA 3, ENVIRONMENTAL ENGINEERING

C E 341, Introduction to Environmental Engineering
C E 342, Water and Wastewater Treatment Engineering
C E 346K, Hazardous Waste Management
C E 364, Design of Wastewater and Water Treatment Facilities
C E 369L, Air Pollution Engineering
C E 370K, Environmental Sampling and Analysis
CHE 341, Design for Environment
CHE 357, Technology and Its Impact on the Environment
CHE 359, Energy Technology and Policy
CHE 376K, Process Evaluation and Quality Control
M E 374S, Solar Energy Systems Design
M E 379M, Energy Technology and Policy

AREA 2, MATERIALS ENGINEERING

CH 341, Special Topics in Laboratory Chemistry
CH 354, Quantum Chemistry and Spectroscopy
CH 354L, Physical Chemistry II
CH 367L, Macromolecular Chemistry
CH 376K, Advanced Analytical Chemistry
CHE 322M, Molecular Thermodynamics
CHE 323, Chemical Engineering for Microelectronics
CHE 355, Introduction to Polymers
CHE 379, Topic: Computation Methods with Applications to Materials
CHE 379, Topic: Polymer Kinetics and Reaction Engineering
E E 339, Solid-State Electronic Devices
M E 349, Corrosion Engineering
M E 359, Materials Selection

AREA 4, BIOCHEMICAL, BIOMOLECULAR, AND BIOMEDICAL ENGINEERING

Track A: Cellular and Bioprocess Engineering
BIO 311D, Introductory Biology II
BIO 325, Genetics
BIO 326R, General Microbiology: Microbial Cell Structure and Genetics
CHE 339, Introduction to Biochemical Engineering
CHE 339P, Introduction to Biological Physics
CH 339K, Biochemistry I
CH 339L, Biochemistry II
CH 370, Physical Methods for Biochemistry
Track B: Biomedical Engineering
BIO 311D, Introductory Biology II
BIO 320, Cell Biology
BIO 325, Genetics
BIO 326R, General Microbiology: Microbial Cell Structure and Genetics
BIO 365R, Vertebrate Physiology I
BIO 365S, Vertebrate Physiology II
BME 352, Advanced Engineering Biomaterials
BME 353, Transport Phenomena in Living Systems
BME 365R, Quantitative Engineering Physiology I
CHE 339, Introduction to Biochemical Engineering
CHE 339P, Introduction to Biological Physics
CHE 339T, Cell and Tissue Engineering
CHE 355, Introduction to Polymers
CH 339K, Biochemistry I
E E 374K, Biomedical Electronics
M E 374S, Solar Energy Systems Design
M E 379M, Energy Technology and Policy
PGE 305, Energy and the Environment

AREA 6, ENGINEERING ECONOMICS AND BUSINESS LEADERSHIP
CHE 342, Chemical Engineering Economics and Business Analysis
CHE 356, Optimization: Theory and Practice
ARE 323K, Project Management and Economics
ECO 304K, Introduction to Microeconomics
ECO 304L, Introduction to Macroeconomics
ECO 328, Industrial Organization
ECO 339K, International Trade and Investment
ECO 351K, Current Issues in Business Economics
I B 378, International Business Operation
M E 353, Engineering Economics Analysis
M E 366L, Operations Research Models
MKT 320F, Foundations of Marketing
MKT 460, Information and Analysis
STS 332, The Nanotechnology and Science Revolution

AREA 5, ENERGY TECHNOLOGIES
CHE 323, Chemical Engineering for Microelectronics
CHE 339, Introduction to Biochemical Engineering
CHE 341, Design for Environment
CHE 355, Introduction to Polymers
CHE 357, Technology & Its Impact on the Environment
CHE 359, Energy Technology and Policy
C E 341, Intro to Environmental Engineering
E E 339, Solid-State Electronic Devices