Excluded courses:  CB 434 (FSHN 471) - Food & Industrial Microbiology

APPROVED MCB/BIOC Courses

MCB 300 Microbiology
MCB 301 Experimental Microbiology
MCB 314 Introduction to Neurobiology (NEUR 314)
MCB 316 Genetics and Disease (cannot receive credit for both MCB 316 and MCB 317)
MCB 317 Genetics and Genomics (4 hrs) – (cannot receive credit for both MCB 316 and MCB 317)
MCB 320 Mechanisms of Human Disease
MCB 400 Cancer Cell Biology
MCB 401 Cell and Membrane Physiology
MCB 402 Systems and Integrative Physiology
MCB 403 Cell and Membrane Physiology Laboratory
MCB 404 Systems and Integrative Physiology Laboratory
MCB 408 Immunology
MCB 410 Developmental Biology
MCB 413 Endocrinology
MCB 419 Brain, Behavior & Info Process (BIOP 419, NEUR 419)
MCB 421 Microbial Genetics
MCB 424 Microbial Biochemistry
MCB 426 Bacterial Pathogenesis
MCB 428 Bacterial Pathogens Laboratory
MCB 430
MCB 431 Microbial Physiology
MCB 432 Computing in Molecular Biology
MCB 433 Virology & Viral Pathogenesis (PATH 433)
MCB 434 Food Microbiology
MCB 435 Microbial Ecology and Evolution
MCB 436 – 1 credit hr. – Global Biosecurity
MCB 442 Comparative Immunobiology (ANSC 450, PATH 410)
MCB 458 Basic Human Pathology
MCB 461 Cellular & Molecular Neuroscience (NEUR 461)
MCB 462 Integrative Neuroscience (NEUR 462)
MCB 471 Advanced Cell biology
MCB 480 (Eukaryotic Cell Signaling)
MCB 481 Developmental Neurobiology (NEUR 481)
MCB 508 Intro to systems Neuroscience (PSYC 508)

BIOC 492 Senior Thesis (no more than 7 hours applied to tech elects)
Non-MCB Courses – Approved Advanced Technical Elective Courses

ABE 446  Biological Nanoengineering
BIOE 461  Cellular Biomechanics (TAM 461)
BIOP 432  Photosynthesis (IB 421, CPSC 489)
CB 467  Fundamental Pharm Disc & Devel
CHBE 471  Biochemical Engineering
CHBE 472  Techniques in Biomolecular Engr.
CHBE 473  Biomolecular Engineering
CHBE 475  Tissue engineering
CHEM 312  Inorganic Chemistry
CHEM 437  Organic Chem II Lab
CHEM 438  Advanced Organic Chemistry
CHEM 474  Drug Discovery and Development
CHEM 480  Polymer Chemistry (MSE 457)
CHEM 482  Polymer Physical Chemistry (MSE 458)
CHEM 492 - topics
CHEM 534  Advanced Organic Synthesis
CS 466  Introduction to Bioinformatics
FSHN 3**, 4**
IB 302  Evolution
IB 360  Evolution and Human Health (ANTH 360)
IB 361  Ecology and Human Health (ANTH 361)
IB 364  Bioinformatics and the Human Genome
IB 402  Molecular Evolution
IB 420  Plant Physiology (CPSC 484)
IB 424  Plant Development
IB 426  Env. and Evol. Physl. of Animals
IB 432  Genes and Behavior
IB 445  Chemical Ecology
IB 485  Environmental Toxicology & Health (CHLH 461, ENVS 431)
IB 487  Math Modeling in Life Sciences (ANSC 448, STAT 458)
MATH 4** - any 400 level math course
MATH 415  Applied Linear Algebra
MATH 453  Elementary Theory of Numbers
PHYS 404  Electronic Circuits
PHYS 420  Space Time & Matter (PHIL 420)
PHYS 475  Introduction to Biophysics
PSYC 403  Memory and Amnesia (NEUR 403)
PSYC 413  Psychopharmacology (NEUR 413)
PSYC 417  Neuroscience of Eating and Drinking
STAT 400  Statistics & Probability I (MATH 463)
STAT 420 – Method of Applied Statistics
STAT 430 – Topics of Applied Statistic (check sections)
STAT 551  Theory of Probability I (MATH 561)
TSM 435  Elec Computer CTRL Sys