

Cell & Developmental Biology	
Cell & Systems Biology	Medical Biology & Physiology
MCB 102 Survey of Biochemistry & Molecular Biology	MCB 102 Survey of Biochemistry & Molecular Biology
MCB 104 Genetics, Genomics & Cell Biology	MCB 104 Genetics, Genomics & Cell Biology
MCB 130A Cell & Systems Biology	MCB 136 Physiology
MCB 133L Cell Biology & Physiology Lab	MCB 133L Cell Biology & Physiology Lab
CDB Elective A choose 2 (two) from electives list A	CDB Elective B choose 2 (two) from electives list B

CDB: Cell & Systems Biology

(shows as 971: MO&CEL BIO PII, EM 2 on some official University documents)

- MCB 102 Survey of Biochemistry & Molecular Biology (F, Sp, Su; 4 units)
- MCB 104 Genetics, Genomics & Cell Biology (F, Sp; 4 units)
- MCB 130A Cell & Systems Biology (Sp, 4 units)
- MCB 133L Cell Biology & Physiology lab (F, Sp; 4 units)
- [Choose 2 electives from Elective List A](#) (MCB courses only)

CDB: Medical biology & Physiology

(shows as 971: MO&CEL BIO PII, EM 2 on some official University documents)

- MCB 102 Survey of Biochemistry & Molecular Biology (F, Sp, Su; 4 units)
- MCB 104 Genetics, Genomics & Cell Biology (F, Sp; 4 units)
- MCB 136 Physiology (F; 4 units)
- MCB 133L Cell Biology & Physiology lab (F, Sp; 4 units)
- [Choose 2 electives from Elective List B](#)

Approved electives list A for CDB

Molecular and Cell Biology

- C100A Biophysical Chemistry: Physical Principles & the Molecules of Life (F, Sp,; 4 units)
- C103 Bacterial Pathogenesis (Sp, 3 units)
- C112 General Microbiology (F, 4 units)
- 113 Applied Microbiology & Biochemistry
- C114 Introduction to Comparative Virology (Sp, 4 units)
- 115 Molecular Biology of Animal Viruses
- C116 Microbial Diversity (F, 3 units)
- 132 Biology of Human Cancer (F, 4 units)
- C134 Chromosome Biology / Cytogenetics (Sp, alt years, 3 units)
- 135A Molecular Endocrinology (F, alt years, 3 units)
- 136 Physiology (F, 4 units)
- 137 Computer Simulation in Biology (Sp, 3 units)
- 141 Developmental Biology (Sp, 3 units)
- 143 Evolution of Genomes, Cells & Development (F, 3 units)
- C145 Genomics (4 units)
- C146 Topics in Computational Biology and Genomics (4 units)
- C148 Microbial Genomics & Genetics (Sp, 4 units)
- 150 Molecular Immunology (F, Sp, 4 units)
- C160 Introduction to Neurobiology (F, Sp, 4 units)
- 163 Mammalian Neuroanatomy (F, 4 units)
- 165 Molecular Neurobiology (Sp, 3 units)
- 166 Biophysical Neurobiology (F, 3 units)
- 167 Physiological & Genetic Basis of Behavior (Sp, 3 units)

Approved electives list B for CDB

Molecular and Cell Biology

- Any 3-4 unit upper-division MCB course except divisional lab courses (110L, 140L, 150L or 160L) or 110, 180, 190, H196, 198, 199.

Integrative Biology

- 103LF Invertebrate Zoology (Sp, 5 units)
- 104LF Natural History of Vertebrates (Sp, 5 units)
- 117 & 117LF Medical Ethnobotany with Lab (F, Su, 2 & 2 units)*
- 123AL Exercise Physiology (F, 5 units)
- 131 General Human Anatomy (F, Su, 3 units)

- 137 General Endocrinology (F, 4 units)
- 140 Biology & Sociobiology of Human Reproduction (Sp, 4 units)
- C143A Biological Clocks: Physiology & Behavior (F, 3 units)
- C143B Hormones & Behavior (Sp, 3 units)
- 148 Comparative Animal Physiology (F, 3 units)
- ** both lecture AND lab courses must be taken for IB 117/117L to obtain one elective requirement*

Nutritional Sciences & Toxicology

- 103 Nutrient Function & Metabolism (F, 3 units)
- 108A Introduction & Application of Food Science (F, 3 units)
- 110 Food Toxicology (F, 3 units)
- 150 Mechanics of Metabolic Regulation (F)
- 160 Human Nutrition: Physiology & Pathophysiology of Disease (Sp, 4 units)
- 161A Medical Nutrition Therapy (F, 4 units)

Plant & Microbial Biology

- 135 Plant Physiology & Biochemistry (F, 3 units)
- 150 Plant & Microbial Biology (F, 3 units)
- 160 Plant Molecular Genetics (Sp, 3 units)

Psychology

- 110 Introduction to Biological Psychology (F, Sp, Su, 3 units)
- C113 Biological Clocks: Physiology & Behavior (F, 3 units)
- C116 Hormones & Behavior (Sp, 3 units)

Public Health

- 141 Intro to Bio-Statistics (Su, 5 units)
- 142 Probability & Statistics in Bio & Public Health (F, 4 units)
- 150A Intro to Epidemiology & Human Disease (Sp, 3 units)

- 150B Intro to Environmental Health Sciences (F, 3 units)
- 162A Public Health Microbiology (F, Su, 3 units)

Statistics

- 131A Statistical Inference for Life Scientists (F, Sp, 4 units)