



## Biomedical Sciences Restricted Electives

Students must take at least **7 restricted elective courses**. At least **2 courses must be laboratory courses**.

No more than 2 courses may be MLS courses. No more than 2 courses may be outside of the department.

**\* = outside of the Biomedical Sciences department**    **\*\* = recommended for pre-professional students**

<b>BCH 4054</b> Biochemistry II*/**	<b>PCB 4135</b> Applied Molecular Cell Biology
<b>BCH 4103L</b> Biochemical Methods*	<b>PCB 4174</b> Foundation of Bio-Imaging Science
<b>BOT 4434C</b> General Mycology	<b>PCB 4234</b> Cancer Biology**
<b>BOT 4850</b> Medicinal Botany*	<b>PCB 4264</b> Stem Cell Biology
<b>BSC 3424</b> Nanobiotechnology	<b>PCB 4284</b> Immunobiology
<b>BSC 4434</b> Biomedical Informatics: Sequence Analysis	<b>PCB 4402</b> Disease Ecology & Ecoimmunology*
<b>BSC 4439</b> Biomedical Informatics: Structure Analysis	<b>PCB 4514</b> Genetics II*/**
<b>MCB 3202</b> Principles of Infectious Disease**	<b>PCB 4521</b> Tissue Engineering
<b>MCB 3203/L</b> Pathogenic Microbiology + Lab**	<b>PCB 4529C</b> Experimental Molecular Cell Biology
<b>MCB 4201</b> Microbial Stress Response	<b>PCB 4663</b> Human Genetics
<b>MCB 4204</b> Cellular Microbiology: Host-Pathogen Interactions	<b>PCB 4678</b> Evolution and Medicine*
<b>MCB 4207</b> Infectious Processes**	<b>PCB 4683, 4683L</b> Evolutionary Biology + Lab*
<b>MCB 4224</b> Molecular Biology of Diseases**	<b>PCB 4708L</b> Lab Virtual Simulations in Physiology
<b>MCB 4276</b> Epidemiology of Infectious Diseases**	<b>PCB 4805</b> Endocrinology**
<b>MCB 4312</b> Molecular Biotechnology**	<b>PCB 4813</b> Molecular Aspects of Obesity, Diabetes, & Metabolism
<b>MCB 4404</b> Bacterial Genetics and Physiology	<b>PCB 4832</b> Cellular and Molecular Basis of Brain Functions
<b>MCB 4503C</b> Virology**	<b>PCB 4833</b> Advanced Human Physiology
<b>MCB 4603</b> Environmental Microbiology	<b>PCB 4843</b> Cellular and Molecular Neuroscience
<b>MCB 4721C</b> Methods in Biotechnology	<b>ZOO 3701C</b> Human Gross Anatomy & Dissection Techniques**
<b>MLS 3220C</b> Techniques in Clinical Microscopy	<b>ZOO 3733C</b> Human Anatomy**
<b>MLS 3305</b> Hematology**	<b>ZOO 3744</b> Neurobiology**
<b>MLS 4334</b> Hemostasis**	<b>ZOO 3755C</b> Introductory Histology
<b>MLS 4430C</b> Clinical Parasitology**	<b>ZOO 4513</b> Animal Behavior*
<b>MLS 4505C</b> Immunodiagnosics**	<b>ZOO 4603C</b> Embryology/Development*/**
<b>MLS 4625</b> Advanced Clinical Chemistry I	<b>ZOO 4605</b> Human Clinical Embryology**
<b>MLS 4630</b> Advanced Clinical Chemistry II	<b>ZOO 4742</b> Advanced Neurobiology**
<b>PCB 3063</b> Genetics*/**	<b>ZOO 4743C</b> Clinical Neuroanatomy & Neuroscience**
<b>PCB 3703C</b> Human Physiology**	<b>ZOO 4747C</b> Clinical Neuroscience**
<b>PCB 4028</b> Molecular and Cellular Pharmacology**	<b>ZOO 4753C</b> Vertebrate Histology**

**Note: Participating in GEAR, PURE, PILOT, or HIM will substitute for one restricted elective course.**