



## **Biomedical Sciences Course Prerequisites**

Students must receive a “C” or better in all prerequisite courses, unless otherwise stated.

### **Core Courses**

<b>Course</b>	<b>Prerequisites</b>
<b>BCH 4024</b> Medical Biochemistry	CHM 2211
<b>BCH 4053</b> Biochemistry I	CHM 2211
<b>BSC 2010C</b> Biology I	None
<b>BSC 3403C</b> Quantitative Biological Methods	BSC 2010C and CHM 2046
<b>CHM 2045C</b> Chemistry Fundamentals I	Score of 76% on the Chemistry Placement Exam or students enroll in CHM 2040/CHM 2041
<b>CHM 2046</b> Chemistry Fundamentals II	CHM 2045C or CHM 2040/CHM 2041
<b>CHM 2046L</b> Chemistry Fundamentals Laboratory	CHM 2046 (can be taken as a co-requisite)
<b>CHM 2210</b> Organic Chemistry I	CHM 2046
<b>CHM 2211</b> Organic Chemistry II	CHM 2210
<b>CHM 2211L</b> Organic Laboratory Techniques I	CHM 2046L and CHM 2210
<b>MAC 2311C</b> Calculus with Analytic Geometry I	Appropriate score on the Math Placement Exam or MAC 1105C, MAC 1114C, and MAC 1140C
<b>MCB 3020C</b> General Microbiology	BSC 2010C and CHM 2046
<b>PCB 3233</b> Immunology	BSC 2010C
<b>PCB 3233L</b> Immunology Laboratory	BSC 2010C
<b>PCB 3522</b> Molecular Biology I	CHM 2211 and MCB 3020C
<b>PCB 4280</b> Molecular Immunology	MCB 3020C
<b>PCB 4524</b> Molecular Biology II	CHM 2211 and MCB 3020C
<b>PHY 2048C</b> General Physics Using Calculus I	MAC 2311C
<b>PHY 2049C</b> General Physics Using Calculus II	MAC 2312 and PHY 2048C
<b>PHY 2053C</b> College Physics I	MAC 1105C and MAC 1114C
<b>PHY 2054C</b> College Physics II	PHY 2053C
<b>SLS 2311C</b> Overview of Select Medical Careers	None
<b>STA 2023</b> Statistical Methods I	Any MAC course



## Restricted Electives Recommended for Pre-Professional Students

See separate sheet for a full list of restricted electives.

<b>Course</b>	<b>Prerequisites</b>
<b>BCH 4054</b> Biochemistry II	BCH 4053
<b>MCB 3202</b> Principles of Infectious Disease	MCB 3020C
<b>MCB 3203</b> Pathogenic Microbiology	MCB 3020C
<b>MCB 3203L</b> Pathogenic Microbiology Lab	MCB 3020C and CR: MCB 3203
<b>MCB 4207</b> Infectious Processes	MCB 3020C
<b>MCB 4224</b> Molecular Biology of Diseases	PCB 3522 or PCB 3023
<b>MCB 4276</b> Epidemiology of Infectious Diseases	MCB 3020C
<b>MCB 4312</b> Molecular Biotechnology	MCB 3020C
<b>MCB 4414</b> Microbial Metabolism	BSC 3403C
<b>MCB 4503C</b> Virology	PCB 3522
<b>MLS 3305</b> Hematology	CHM 2210 and PCB 3703C
<b>MLS 3305L</b> Hematology Lab	MLS 3305
<b>MLS 4334</b> Hemostasis	CHM 2210 and PCB 3703C
<b>MLS 4505C</b> Immunodiagnostics	PCB 3233 and PCB 3233L
<b>PCB 3063</b> Genetics	BSC 2010C and CHM 2046
<b>PCB 3703C</b> Human Physiology	BSC 2010C and CHM 2045C
<b>PCB 4028</b> Molecular and Cellular Pharmacology	PCB 3522
<b>PCB 4234</b> Cancer Biology	PCB 3522 or PCB 3023
<b>PCB 4514</b> Genetics II	PCB 3063 with a "B" or better
<b>PCB 4723</b> Animal Physiology ( <i>pre-vet students</i> )	PCB 3023
<b>PCB 4805</b> Endocrinology	CHM 2211 and PCB 3703C
<b>ZOO 3713C</b> Comparative Vertebrate Anatomy ( <i>pre-vet students</i> )	BSC 2010C and BSC 2011C
<b>ZOO 3733C</b> Human Anatomy	BSC 2010C
<b>ZOO 3744</b> Neurobiology	BSC 2010C
<b>ZOO 3755C</b> Introductory Histology	PCB 3703C and ZOO 3733C
<b>ZOO 4513</b> Animal Behavior ( <i>pre-vet students</i> )	PCB 3044
<b>ZOO 4603C</b> Embryology/Development	PCB 3063 and PCB 3023, or PCB 3522
<b>ZOO 4605</b> Human Clinical Embryology	ZOO 3733C
<b>ZOO 4701</b> Dissection Techniques	ZOO 3733C
<b>ZOO 4742</b> Advanced Neurobiology	ZOO 3744
<b>ZOO 4743C</b> Clinical Neuroanatomy & Neuroscience	ZOO 3733C with a "B" or better
<b>ZOO 4747C</b> Clinical Neuroscience	ZOO 3744 or ZOO 4743C
<b>ZOO 4753C</b> Vertebrate Histology	ZOO 3733C