

**CWRU Biochemistry MS Program
Recommended Electives**

Course		Credits
BIOC 410	Microbial Physiology and Therapeutic Opportunities	3
BIOC 411	Antimicrobial Therapies and Resistance	3
BIOC 412	Proteins and Enzymes	3
BIOC 415	Biological Membranes and Their Proteins	3
BIOC 434	Structural Biology	3
BIOC 444	Molecular Endocrinology	3
BIOC 445	Metabolic Dysregulation and Human Disease	3
BIOC 450	Molecular Basis of Cancer	3
BIOC 453	Biochemical Pathways in Cancer Therapeutics	3
BIOC 460	Advanced Technologies for Cancer Research	3
BIOC 500	Biotechnology Laboratory: Molecular Biology Basics	1
BIOC 501	Biochemical and Cellular Techniques for Biotechnology	3
BIOC 502A	Biotechnology Laboratory: Molecular Biology and Biochemical Techniques	3
BIOC 502B	Biotechnology Laboratory: Eukaryotic Molecular and Cellular Biology	2
BIOC 502C	Biotechnology Laboratory: Mass Spectrometry Techniques	1
BIOC 511	Practice and Professionalism in Biotechnology	1
BIOC 601	Biochemical Research	1-9
BIOC 611	Seminar	1
BIOC 612	Seminar	1
BIOL 426	Genetics	3
BIOL 443	Microbiology	3
PATH 416	Fundamental Immunology	3
PATH 475	Cell and Molecular Foundations of Pathology	3
PHOL 401A	Physiology and Biophysics of Molecules and Cells	2
PHOL 401B	Physiology and Biophysics of Molecules and Cells	2
PHRM 409	Principles of Pharmacology	3
PQHS 431	Statistical Methods I	3