



Biotechnology and Molecular Biology Major with PA Dual Degree

	Fall	Spring
Year One	BIO 160 Concepts in Biology w/Lab (Core) CHE 131 General Chemistry I w/Lab (Core) MAT 114/117 Elementary Functions or Calculus (Core) PSY 101 General Psychology (Core) Core	BIO 220 Genetics w/Lab CHE 132 General Chemistry II w/Lab Core (Sociology suggested) Core Core
Year Two	CHE 201 Organic Chemistry I w/Lab PHY 201 General Physics I w/Lab PHI 262 Biomedical Ethics (Core) Core HSC 100 Systems Approach to Delivering Health Care (Recommended elective, but not required)	CHE 202 Organic Chemistry II w/Lab PHY 201 General Physics II w/Lab PSY 224 Statistics Core Core
Year Three	BIO 240 Mammalian Anatomy w/Lab CHE 414 Biochemistry w/Lab PHI 260 Biomedical Ethics (Core) Core Core (if necessary)	BIO 370 General Physiology w/Lab BIO 440 Biotechnology in Theory and Practice w/Lab Core (if necessary) Elective Elective
Year Four	BIO 250 Microbiology w/Lab BIO 2XX Biology Elective Elective Elective Elective	BIO 340 Molecular and Cellular Biology w/Lab Elective Elective Elective Elective
Graduate program	View the PA graduate program curriculum.	

- The semesters when the courses above are offered are subject to change. Consequently, the student should work closely with his or her advisor when developing a plan of study.