

Biotechnology, Associate in Science Degree (University Transfer Degree)

Prerequisites for each specialized course are indicated under each course title.

BIOL 1224 Biology for Majors	CHEM 1315 General Chemistry I	BIOT 1113 Intro to Biotechnology
No prerequisites (concurrent HS enrollment possible)	MATH 1513 w/ "C" or better	No prerequisites (concurrent HS enrollment possible)

BIOL 2164 Microbiology	BIOT 1315 Biotech Laboratory Methods and Techniques			CHEM 1415 General Chemistry II	
CHEM 1315	BIOL 1224 w/ grade of "C" or better	BIOT 1113 or concurrent enrollment	CHEM 1315 w/"C" or better	BIOL 1224 or concurrent enrollment	CHEM 1315 w/"C" or better

BIOT 2101 Biotech Quality Assurance	CHEM 2145 Organic Chemistry I			BIOT 1534 Cell Culture Techniques		
BIOT 1113	CHEM 1415			BIOT 1315 Or concurrent	BIOL 2164 Or concurrent	CHEM 1415 with w/"C" or better

BIOT 2335 Proteomics and Instrumentation	BIOT 2246 Molecular Biology and Techniques			BIOT 2512 Biotechnology Apprenticeship (recommended but <u>not required</u> for this degree)	
BIOT 1534 w/"C" or better	BIOL 2164	BIOT 1315	CHEM 1415 w/"C" or better	BIOT 2335 w/"C" or better	BIOT 2246 w/"C" or better

General education requirements:

ENGL 1113 Composition I	ENGL 1213 Composition II	MATH 1513 College Algebra	POLS 1113 American Federal Government	HIST 1483 or HIST 1493 US History
CSCI 1203 Computer Concepts & Applications (or demonstrated proficiency)		Humanities 3 hours (Phil 2153 Medical Ethics recommended)		Humanities 3 hours (see list of choices in TCC Catalog)
Elective 3 hours (see list of choices in TCC Catalog)				

Other recommended courses not required for degree:	ENGL 2333 Technical Professional Writing	BIOT 2512 Biotechnology Apprenticeship (see prerequisites above)
CHEM 2353 Introduction to Biochemistry	CHEM 2245 Organic Chemistry II	MATH 2193 Elementary Statistics