



northern *State* university

**Associate of Science in Biotechnology
Plan of Study**

First Year Fall	
Course	Credit
IDL 190, Freshman Seminar	2
BIOL 151/L, General Biology I	4
CHEM 112/L, General Chemistry I	4
BIOL 235/L, Introduction to Biotechnology	3
MATH 102/L, College Algebra*	3-4
	16-17

First Year Spring	
Course	Credit
CHEM 114/L, General Chemistry II	4
ENGL 101, Composition I	3
BIOL 245/L, Cell Culture Techniques	3
Arts and Humanities Course (see catalog)	3
SPCM 101, Fundamentals of Speech*	3
	16

Second Year Fall	
Course	Credit
MICR 231/L General Microbiology, or BIOL 331/L, Microbiology	4
Behavioral/Social Sciences Course (see catalog)	3
BIOL 240/L, Biotechnology Lab Methods and Techniques	3
ENGL 201, Composition II	3
Elective Course	3
	16

Second Year Spring	
Course	Credit
BIOL 204/L, Genetics and Cellular Biology, or BIOL 343/L, Cell and Molecular Biology, or BIOL 371/L, Genetics	4
BIOL 294, Internship	2
BIOL 250/L, Introduction to Bioinformatics and Proteomics	3
Elective Course	3
	12

*Fulfills a General Education Requirement. Other course options may be available. **Fulfills a major requirement. Other course options may be available. ***Fulfills a general elective. Other course options may be available. This plan of study is not an official document. Depending on placement scores, developmental courses may be required. Course rotations may change. Please visit with a professional advisor at least once a semester to review appropriate course choices and plan updates.