



NORTHEASTERN STATE UNIVERSITY

College of Science & Health Professions

2016 – 2017 Cell and Molecular Biology

First Year – Freshman

Fall Semester	Spring Semester
ENGL 1113* Freshman Comp I	BIOL 1013* Intro Biology I
MATH 1513* College Algebra	BIOL 1011* Intro Biology I Lab
UNIV 1003* University Strategies	CHEM 1123* General Chemistry I
Humanities, 3 hours*	CHEM 1131* General Chemistry I Lab
Life Skills, 3 hours*	ENGL 1213* Freshman Comp II
	Communications, 3 hours* COMM 2213 recommended
	Humanities, 3 hours*
Total Hours 15	Total Hours 17

Second Year – Sophomore

Fall Semester	Spring Semester
BIOL 1023 Intro Biology II	BIOL 3124 Cell Biology
BIOL 1021 Intro Biology II Lab	BIOL 3224 Microbiology
BIOL 3114 Genetics	CHEM 3123 Organic Chemistry I
CHEM 1223 General Chemistry II	CHEM 3132 Organic Chemistry I Lab
CHEM 1231 General Chemistry II Lab	HIST 1483 or 1493* American History
A course in statistics, MATH 3513 recommended	
Total Hours 15	Total Hours 16

Third Year – Junior

Fall Semester	Spring Semester
BIOL 4543 Molecular Biology	BIOL 4242 Trends and Issues in Molecular Biology
CHEM 3223 Organic Chemistry II	BIOL 4354 Immunology
CHEM 3232 Organic Chemistry II Lab	Biology Research, 2 hours (ED or RB)
H ED 1113 Personal Health or NUTR 1653 Basic Nutr.*	CHEM 4214 Biochemistry
PHYS 1115 General Physics I	PHYS 1215 General Physics II
Total Hours 16	Total Hours 17

Fourth Year – Senior

Fall Semester	Spring Semester
BIOL 4232 Cell/Molecular Lab	BIOL 4103 Developmental Biology
Biology elective, 4 hours	BIOL 4621 Senior Seminar
Global Perspectives, 3 hours*	Biology elective, 4 hours
Social Sciences, 3 hours*	POLS 1113* American Federal Government
Free electives, 2 hours	Free electives, 3 hours
Total Hours 14	Total Hours 14

Total Degree Plan Hours 124

*General Education Requirement. **See current catalog "General Requirements" for selection.

