



NORTHEASTERN STATE UNIVERSITY

College of Science & Health Professions

2010 – 2011 Biology – Cellular Emphasis Road Map

First Year – Freshman

Fall Semester		Spring Semester	
BIOL 1123*	Evolution and Diversity	CHEM 1123/1131*	General Chemistry I plus Lab
BIOL 1131*	Investigative Lab	ENGL 1213*	Freshman Comp II
MATH 1513*	College Algebra	Communications, 3 hours*	See list in NSU catalog
UNIV 1002*	College Strategies	Culture and Ideas, 3 hours*	See list in NSU catalog
ENGL 1113*	Freshman Comp I	Fine Arts Appreciation, 3 hours*	See list in NSU catalog
CS/IS 1003* **	Computers in Modern Society		
Total Hours	15	Total Hours	16

Second Year – Sophomore

Fall Semester		Spring Semester	
BIOL 3114	Genetics	BIOL 3124	Cell Biology
CHEM 1223/1231	General Chemistry II plus Lab	CHEM 3123/3132	Organic Chemistry I plus lab
POLS 1113*	American Federal Government	MATH 3513	Statistical Methods
HIST 1483 or 1493*	American History	Social Sciences, 3 hours*	See list in NSU catalog
Free elective, 3 hours	Consult with advisor	UNIV 2091	Capstone
Total Hours	17	Total Hours	16

Third Year – Junior

Fall Semester		Spring Semester	
CHEM 3223/3232	Organic Chemistry II plus lab	BIOL 3013	Animal Biology
BIOL 3003	Plant Biology	Global Perspectives, 3 hours*	See list in NSU catalog
BIOL 3524	Ecology	BIOL 4242 ²	Trends and Issues in Mol Biol
Global Perspectives, 3 hours*	See list in NSU catalog	BIOL 4232	Cell/Molecular Lab
		Free elective, 4 hours	Consult with advisor
Total Hours	15	Total Hours	14

Fourth Year – Senior

Fall Semester		Spring Semester	
BIOL 4543 ¹	Molecular Biology	BIOL 4621	Senior Seminar
Biology elective, 4 hours		Biology elective, 4 hours	
H ED 1113 or HFS 1653*	Pers. Health/Basic Nutrition	Free elective, 3 hours	Consult with advisor
Life Skills, 3 hours*	See list in NSU catalog	Free elective, 3 hours	Consult with advisor
CHEM 4214	Biochemistry	BIOL 4103 ²	Developmental Biology
Total Hours	17	Total Hours	14

Total Degree Plan Hours 124

Shown for Chemistry minor. A Mathematics minor is also possible. Consult your advisor.

* General education requirement ** Requirement may be met in other ways. Consult your advisor.

¹ Offered fall only. ² Offered spring only.

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