

University Name: Winona State University

Award: BS Degree: Biology: Cell & Molecular

Total Credits: 60

3 rd Year/Fall Semester		
Course No.	Course Name	Credits
BIOL 308 OR 312	Cell Biology or General Ecology	3
MATH 120	Pre-calculus	4
Gen Ed	Goal Area courses(s)	3-6
Univ Req	Physical Development & Wellness	2
Semester Credits Total		12-15
Notes: MnTC Goals 1-10 must be met. If a goal area is not completed at the sending institution, it must be completed at WSU. A minimum of 40 credits of MnTC coursework is required to earn a degree. To remain at 60 credits, complete courses that meet two goal areas within Goals 5-10. WSU requires 2 credits of Physical Development & Wellness and 12 credits of upper-level intensive courses. Intensives are often included in major course requirements; check with your advisor. A minimum of 40 credits at the 300-400 level is required to earn a degree.		

4 th Year/Fall Semester		
Course No.	Course Name	Credits
BIOL	Biology electives	3
BIOL	Cell & Molecular option elective	3-4
CHEM 405	Biochemistry I	3
CHEM 406	Biochemistry I Lab	1
PHYS 201	General Physics I	4
Semester Credits Total		14-15
Notes: Cell & Molecular option requires 6-8 SH from the following courses: BIOL 309, 393, 394, 402, 409, 431, or 445 9 credits total of BIOL electives required PHYS 201 and PHYS 202 may be substituted with PHYS 221 and PHYS 222		

3 rd Year/Spring Semester		
Course No.	Course Name	Credits
BIOL 430	Molecular Biology	3
BIOL	Biology electives	3
CHEM 340	Organic Chemistry Survey	4
MATH 212	Calculus I	4
Gen Ed	Goal Area course(s)	3
Semester Credits Total		17
Notes: CHEM 350 & CHEM 351 may be substituted for CHEM 340 9 credits total of BIOL electives required		

4 th Year/Spring Semester		
Course No.	Course Name	Credits
BIOL	Cell & Molecular option elective	3-4
BIOL	Biology electives	3
BIOL 499	Capstone Project	3
PHYS 202	General Physics II	4
Gen Ed	Goal Area course(s)	3
Semester Credits Total		16-17
Notes: Cell & Molecular option requires 6-8 SH from the following courses: BIOL 309, 393, 394, 402, 409, 431, or 445 9 credits total of BIOL electives required		