

University Name: Winona State University

Award: BS Degree: Chemistry: ACS Environmental Chemistry

Total Credits: 60

3 rd Year/Fall Semester		
Course No.	Course Name	Credits
BIOL 312	General Ecology	3
BIOL 313	General Ecology Lab	1
CHEM 360	Chemical Information	2
CHEM 412	Physical Chemistry I	3
CHEM 413	Physical Chemistry I Lab	1
CHEM 425	Analytical Chemistry I	4
Univ Req	Physical Development & Wellness	1
Semester Credits Total		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
CHEM 405	Biochemistry I	4
CHEM 406	Biochemistry I Lab	1
CHEM 450	Advanced Inorganic Chemistry I	4
CHEM/BIOL/GEOS*	Elective(s)	3-6
Gen Ed	Goal Area 5-9 course(s)	3-6
Semester Credits Total		15
Notes: *4 credits BIOL 415 or 420 required; 3 credits total of 400-level CHEM electives required; and 4 credits GEOS 309, 316, 325, or 420 required		

3 rd Year/Spring Semester		
Course No.	Course Name	Credits
CHEM 320* OR	Environmental Chemistry	3-4
Gen Ed	Goal Area 5-9 course	
CHEM 414	Physical Chemistry II	3
CHEM 415	Physical Chemistry II Lab	2
CHEM 426	Analytical Chemistry II	4
CHEM 436** OR	Topics in Environmental Chemistry	3
Gen Ed	Goal Area 5-9 course	
Semester Credits Total		15-16
Notes: *CHEM 320 offered springs of even-numbered years only **CHEM 436 offered springs of odd-numbered years only		

4 th Year/Spring Semester		
Course No.	Course Name	Credits
CHEM 320* OR	Environmental Chemistry	3-4
Gen Ed	Goal Area 5-9 course	
CHEM 436* OR	Topics in Environmental Chemistry	3-7
CHEM/BIOL/GEOS***	Elective(s)	
CHEM 475	Seminar in Chemistry	1
Univ Req	Physical Development & Wellness	1
Semester Credits Total		14-17
Notes: *CHEM 320 offered springs of even-numbered years only **CHEM 436 offered springs of odd-numbered years only ***4 credits BIOL 415 or 420 required; 3 credits total of 400-level CHEM electives required; and 4 credits GEOS 309, 316, 325, or 420 required		