

## Chemistry 6-12 School of Education

### General Education Classes and College Requirements

General Education /KBOR System-Wide Framework	Title of Course	Hrs	Grade	Notes
Bucket 1: English Discipline	ENGL 101	3		
	ENGL 102	3		
Bucket 2: Communication Discipline	COMM 111	3		
Bucket 3: Mathematics & Statistics Discipline  <i>Math 131 does not fulfill the prerequisite for any further math course.</i>	MATH 112 or 123 (Prerequisite Requirement for PHYS 213)	3-5		
Bucket 4: Natural & Physical Science w/ lab	BIOL 210 w/ lab	4		
Bucket 5 : Social & Behavioral Sciences Discipline in two subjects	CESP 334	3		
		3		
Bucket 6: Arts and Humanities in two subjects		3		
		3		
Bucket 7: Institutionally Designated Area <ul style="list-style-type: none"> <li>• One course with Diversity Designation</li> <li>• First Year Seminar required of all freshmen.</li> <li>• Diversity designation may be used in Buckets #4-7.</li> </ul>	FIRST YEAR SEMINAR *	3		
	GEOL 300	3		
<b>Total</b>		<b>34-36 hrs</b>		

\*Students who have earned an Associate Degree or 30 credit hours prior to high school graduation and before starting classes at WSU as a degree-bound student, may be exempt from taking a First-Year Seminar Course.

### Content Courses Outside of Core Classes

Course and Number	Title of Course	Grade Required if applicable	Hrs	Grade	Notes
CI 270	Introduction to the Education Profession	B-	3		
CHEM 211	General Chemistry I	C	5		
CHEM 212	General Chemistry II	C	5		
CHEM 531	Organic Chemistry I	C	5		
CHEM 532	Organic Chemistry II		5		
CHEM 523	Analytical Chemistry		4		Fall Only
CHEM 524	Instrumental Methods of Chemical Analysis		4		Spring Only
CHEM 661	Introductory Biochemistry		3		
PHYS 213	General College Physics I		5		Prereq: Math 112
GEOL 300	Energy, Resources and Environment		3		Gen Ed
BIOL 210	General Biology I		4		Gen Ed
<b>Total</b>			<b>46</b>		

**Professional Education Courses**  
 All courses below require a B- or better

Course and Number	Core 1 – Foundations of Education = 10 hrs	Hrs	Grade	Notes
CESP 334	Intro to Diversity: Human Growth and Development	3		Gen Ed
CI 315	Core I Practicum	1		
CI 320	Intro to Diversity: Exceptionalities	2		
CI 321	Intro to Diversity: Cultural Issues	2		
CI 325	Instructional Strategies, Assessment and Management ISAM: Middle/Secondary General Methods (B- or better)	2		
	<b>Core 2 – Methods and Field Experiences = 8 hrs</b>			
CI 403	Learning and Educational Assessment (B- or better)	2		
CI 425S	Instructional Strategies, Assessment and Management ISAM: Middle/Secondary Sciences Methods I (B- or better)	2		
CI 426S	Core II Practicum – Sciences (B- or better)	1		
CI 427	Philosophy, History & Ethics of Education (B- or better)	3		
	<b>Core 3 – Pre-Teaching Internship = 11 hrs</b>			
CI 413S	Teaching Internship I: Secondary Level Sciences (B- or better)	3		
CI 417	Instructional Strategies, Assessment and Management ISAM Literacy Strategies in the Content Areas (B- or better)	2		
CI 435S	Instructional Strategies, Assessment and Management ISAM: Middle/Secondary Sciences Methods II (B- or better)	3		
CI 505	Science, Technology and Society (B- or better) <i>Should be taken with Core I or Core III</i>	1		
CI 780S	Technology in the Classroom: Science (B- or better) <i>Should be taken with Core I or Core III</i>	2		
	<b>Core 4 – Teaching Internship = 12 hrs</b>			
CI 436S	Instructional Strategies, Assessment and Management ISAM: Middle/Secondary Sciences Methods III (B- or better)	2		
CI 471S	Teaching Internship II: Secondary Level Sciences (B- or better) 15 weeks	10		
CAS 501	Teacher Licensure Capstone	0		
<b>Total</b>		<b>41</b>		

Electives for 120 hours: @ 9-11 hrs
