

# CHEMISTRY SECONDARY EDUCATION, BED

placement exam score. Depending on the student's level of readiness in mathematics, the total number of credits may be higher than 120.

3. MA 117, MA 123, or MA 151 can satisfy the University Core Requirement in place of MA 116. If a student can bypass the prerequisite courses and take MA 151, the student may end up with a total of 117 credits and will need to take another elective course to meet the minimum requirement of 120 credits for a bachelor degree.

Code	Title	Hours
<b>Chemistry Course Requirements</b>		
CH 151	Fundamentals of Chemistry I	5
CH 152	Fundamentals of Chemistry II	5
CH 340	Organic Chemistry I	3
CH 342	Organic Chemistry Lab I	2
CH 320	Analytical Chemistry	3
CH 321	Analytical Chemistry Lab	1
CH 350	Biochemistry I	3
CH 351	Biochemistry Lab	2
CH 381	Physical Chemistry I	3
CH 385	Physical Chemistry Lab	1
CH 386	Inorganic Chemistry	3
CH 345	Inorganic Chemistry Lab	2
CH 390	Undergraduate Chemical Research	2
CH 391	Chemistry Seminar	1
Subtotal		36
<b>Correlated Science Course Requirements</b>		
PS 281	General Physics I	5
PS 282	General Physics II	5
MA 151	Calculus & Analytic Geometry I	5
Subtotal		15
<b>Education Course Requirements</b>		
ED 155	Teaching, Learning, Leadership	3
ED 165	Ed. 1, Examining Teaching as a Profession: Diversity 1, Literacy 1, Technology 1	3
ED 275	Ed. 2 Exploring Teaching as a Profession (Classroom Management 1, Diversity 2, Technology 2) Ed. 2	3
ED 285	Educational Psychology	3
ED 295	Ed. 3 Experiencing Teaching as a Profession (Classroom Management 2, Diversity 3, Literacy 2)	3
ED 302	Teaching Exceptional Learners	3
ED 352	Methods of Teaching Science in Secondary School	3
or ED 350	General Secondary Methods	
ED 354	Curriculum and Assessment	3
ED 395	Ed. 4 Extending Teaching as a Profession (Classroom Management 3, Literacy 3, Technology 3)	3
ED 410	Secondary Student Teaching	12
Subtotal		39
<b>Total Hours</b>		<b>90</b>

1. PS 281 and MA 151 together will satisfy the 9-credit Natural Sciences component of the General Education Requirements.

2. This program requires MA 151 which has a prerequisite of MA 117 or MA 123 or an ACT Math score of 28 (or higher) or a satisfactory math