

**Major Planning Worksheet**  
**Biology-Chemistry Education (99.5-103.5 hours)**  
**Bachelor of Science**  
 2024-2025 Catalog

Name: \_\_\_\_\_ ID Number: \_\_\_\_\_

Planned Degree Completion Date: Mo. \_\_\_\_ Yr. \_\_\_\_

<b>Required Courses</b>		<b>Hours</b>
_____	BIOL 229/L Intro to Molecular Biology/Lab*	3.0/1.0
_____	BIOL 313/L Microbiology/Lab	3.0/1.0
_____	OR	
_____	BIOL 365 Cell Biology	3.0
_____	BIOL 364/L Comparative Vertebrate Anatomy/Lab	3.0/1.0
_____	BIOL 422/L Advanced Human Physiology/Lab	3.0/1.0
_____	CHEM 111/L General Chemistry I/Lab	3.0/1.0
_____	CHEM 113/L General Chemistry II/Lab	3.0/1.0
_____	CHEM 235/L Analytical Chemistry/Lab*	3.0/1.0
_____	CHEM 311/L Organic Chemistry I/Lab*	3.0/1.0
_____	CHEM 312/L Organic Chemistry II/Lab	3.0/1.0
_____	NASC 202 Exploring STEM Careers	1.0
_____	NASC 450 Senior Seminar	1.0

**One year of physics selected from:**

_____	PHYS 111 College Physics I	4.0
_____	PHYS 112 College Physics II	4.0
_____	OR	
_____	PHYS 210 General Physics I	4.0
_____	PHYS 220 General Physics II	4.0

**Two courses w/lab from:**

_____	BIOL 106/L Principles of Biology I w/Lab	3.0/1.0
_____	BIOL 108/L Principles of Biology II w/Lab	3.0/1.0
_____	BIOL 202/L Fundamentals of Human Anatomy w/Lab	3.0/1.0
_____	BIOL 204/L Fundamentals of Human Physiology w/Lab	3.0/1.0

**Two hours from the following:**

_____	CHEM 341 Physical Chemistry I	3.0
_____	CHEM 342 Physical Chemistry II	3.0
_____	CHEM 405 Biochemistry I	3.0
_____	CHEM 412 Medicinal Chemistry	3.0
_____	CHEM 425 Advanced Organic Chemistry	3.0
_____	CHEM 435 Advanced Inorganic Chemistry	3.0
_____	CHEM 441 Advanced Analytical Lab I	1.0
_____	CHEM 443 Advanced Analytical Lab II	1.0
_____	CHEM 496 Research	1.0-2.0

**Professional Education Requirements**

_____	EDUC 111 Exploring Educational Systems	3.0
_____	EDUC 112 The Exceptional Learner	3.0
_____	EDUC 202 Professional Learning Communities I	0.5
_____	EDUC 204 Professional Learning Communities II	0.5
_____	EDUC 207 Integrating Tech into the Classroom	3.0
_____	EDUC 223 Child & Adolescent Development	3.0
_____	EDUC 230 Educational Psychology	3.0
_____	EDUC 246 Educational Assessment	3.0
_____	EDUC 302 Professional Communities III	0.5
_____	EDUC 304 Professional Communities IV	0.5
_____	EDUC 343 Disciplinary Literacy	3.0
_____	EDUC 402 Professional Learning Communities V	0.5
_____	EDUC 430 Culturally Responsive Classroom Communities	3.0
_____	EDUC 440 General Methods for Adolescent Teachers	3.0
_____	EDUC 475 High School Student Teaching	7.0
_____	EDUC 477 Jr. High/Middle School Student Teaching	6.0
_____	ENG/MODL 350 Teaching English to Speakers of Other Languages	3.0
_____	INTD 355 Critical Issues in Education	3.0

\*Courses satisfy the Bachelor of Science Degree requirement

Notes: