

BIOLOGY – SECONDARY EDUCATION (BIOL_BS_02)

BS DEGREE – 32 COURSE UNITS

MAJOR COURSE REQUIREMENTS

Fulfill via completion of course requirements in three categories

Core Courses (5)	Major Options (4) Specialization Courses (8) (13 course units)	Correlate Courses (7)
BIO 099 – Orientation Seminar (zero-credit)	Biology option course (by advisement)	CHE 201 – General Chemistry I
BIO 185 – Themes in Biology	Biology option course (by advisement)	CHE 202 – General Chemistry II
BIO 211 – Biology of the Eukaryotic Cell	Biology option course (by advisement)	CHE 331 – Organic Chemistry I
BIO 221 – Ecology & Field Biology	Organisms and Evolution Biology option course (from approved list)	CHE 332 – Organic Chemistry II
BIO 231 – Genetics	SED 099 -- Education Seminar (zero-credit)	PHY 201 – General Physics I
BIO 498 – Biological Seminar (<i>Capstone</i>)	EFN 299 – School and Community	MAT 127 – Calculus A
	SED 224 – Adolescent Learning and Development	MAT or STA course (choose from): MAT 128 – Calculus B MAT 200 – Discrete Mathematics STA 215 – Statistical Inference
	SPE 103 -- Social and Legal Foundations of Special Education	
	PHY 390 – Meth of Teaching Science	
	SED 399 – Pedagogy in Secondary Schools (1.5 units)	
	RAL 328 -- Reading in Secondary Education (0.5 units)	
	BIO 490 – Student Teaching (2 course units)	
	SED 498 – Capstone	

LIBERAL LEARNING REQUIREMENTS

Fulfill via completing course requirements in one of four options:

Option 1 – Breadth Distribution from Approved List

Arts & Humanities (3 courses)	Social Science & History (1 courses)	Natural Sciences & Quantitative Reasoning <i>(Requirements fulfilled by major course)</i>
Literary, Visual, or Performing Arts course	Behavioral, Social or Cultural Perspectives <i>(satisfied by major courses)</i>	Natural Science course (with lab)
World Views/Ways of Knowing course	Behavioral, Social or Cultural Perspectives <i>(satisfied by major courses)</i>	Quantitative Reasoning course
Literary, Visual, or Performing Arts course <u>or</u> World Views/Ways of Knowing course	Social Changes in Historical Perspective course	Natural Science course <u>or</u> Quantitative Reasoning course

Option 2 – Designated Interdisciplinary Concentration (see www.tcnj.edu/~liberal/concentrations/index.html)

Option 3– Self-designed Interdisciplinary Concentration (see www.tcnj.edu/~liberal/concentrations/index.html)

Option 4 – Second Major

CIVIC RESPONSIBILITIES, PROFICIENCIES & ELECTIVES

Fulfill via completion of course requirements in three categories

Civic Responsibilities	Intellectual & Scholarly Growth	Electives (0)
IDS 103 – Community Engaged Learning <i>(zero-credit requirement)</i>	IDS 102 – Information Literacy online tutorial <i>(zero-credit requirement)</i> (WRI 101 or 102 may be required freshmen year.)	
Concepts – <i>(fulfilled through liberal learning, other courses, or sustained experience)</i>	Writing Intensive Courses	
Gender	FSP First Seminar course	
Global Perspective	Mid-level course <i>(fulfilled by BIO 221)</i>	
Race & Ethnicity <i>(satisfied EFN 299)</i>	Capstone course <i>(fulfilled by core course)</i>	
	Second Language <i>(0-2 based on placement)</i>	
	Demonstrated proficiency at the low intermediate level (103) if continuation of language studied previously. Two courses (101 & 102), if new language is taken.	

Note: Full list of graduation requirements can be found in The College bulletin and department website.

