

BIOLOGY – 7-YEAR OPTOMETRY PROGRAM (BIOL_BS_04)

BS DEGREE – 32 COURSE UNITS

MAJOR COURSE REQUIREMENTS

Fulfill via completion of course requirements in three categories

Core Courses (5)	Major Options or Specialization Courses	Correlate Courses (9)
BIO 099 – Orientation Seminar (zero-credit)	BIO 332 – Biology of the Vertebrates	CHE 201 – General Chemistry I
BIO 201 – Foundations of Biological Inquiry (or BIO 185 - Themes in Biology)	Biology option course	CHE 202 – General Chemistry II
BIO 211 – Biology of the Eukaryotic Cell		CHE 331 – Organic Chemistry I
BIO 221 – Ecology & Field Biology		CHE 332 – Organic Chemistry II
BIO 231 – Genetics		PHY 201 – General Physics I
BIO 498 – Biological Seminar (<i>Capstone</i>) or BIO 495 - Independ. Research Capstone		PHY 202 – General Physics II
		MAT 127 – Calculus A
		STA 215 – Statistics
		PSY 101 – Psychology

LIBERAL LEARNING REQUIREMENTS

Fulfill via completing course requirements in one of four options:

Option 1 – Breadth Distribution from Approved List

Arts & Humanities	Social Science & History	Natural Sciences & Quantitative Reasoning
Literary, Visual, or Performing Arts course	PSY 101	BIO 201
World Views/Ways of Knowing course	Social Changes in Historical Perspective course	MAT 127
Literary, Visual, or Performing Arts, World Views/Ways of Knowing, Behavioral, Social, or Cultural Perspectives, or Social Changes in Historical Perspective course		CHE 202

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 (<i>satisfies one liberal learning requirement</i>)	
Global Perspective	Mid-level course (<i>fulfilled by BIO 221</i>)	
Race & Ethnicity	Capstone course (<i>fulfilled by core course</i>)	
	Second Language (0-3 courses)	
	Demonstrated proficiency at the low-intermediate level (<i>based on placement</i>)	

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

Effective Fall 2019