

**BIOLOGY – 7-YEAR MD PROGRAM (BIOL\_BS\_05)**  
**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 (8)
BIO 099 – Orientation Seminar (zero-credit)	BIO option course *	CHE 201 – General Chemistry I
BIO 201 – Foundations of Biological Inquiry (or BIO 185 – Themes in Biology)	BIO option course *	CHE 202 – General Chemistry II
BIO 211 – Biology of the Eukaryotic Cell	* - <i>at least one BIO option course must have a laboratory component and at least one must be at the 400 level</i>	CHE 331 – Organic Chemistry I
BIO 221 – Ecology & Field Biology		CHE 332 – Organic Chemistry II
BIO 231 – Genetics	<i>Last year completed at Rutgers NJ Medical School</i>	PHY 201 – General Physics I
BIO 498 – Biology Seminar ( <i>Capstone</i> )		PHY 202 – General Physics II
		MAT 127 – Calculus A
		MAT or STA course (choose from: MAT 128 – Calculus B MAT 200 – Discrete Mathematics STA 215 – Statistical Inference

**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	Behavioral, Social, or Cultural Perspectives course	CHE 201
World Views/Ways of Knowing course	Social Changes in Historical Perspective course	MAT 127

**Option 2 – Designated Interdisciplinary Concentration** (see [www.tcnj.edu/~liberal/concentrations/index.html](http://www.tcnj.edu/~liberal/concentrations/index.html))

**Option 3– Self-designed Interdisciplinary Concentration** (see [www.tcnj.edu/~liberal/concentrations/index.html](http://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> )	
	<b>(WRI 101 or 102 may be required freshmen year.)</b>	
<b>Concepts</b> – ( <i>fulfilled through liberal learning, other courses, or sustained experience</i> )	<b>Writing Intensive Courses</b>	
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> )	
	<b>Second Language</b> (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*