

Semester	Course*
Fall 1	BIO 099 Orientation Seminar BIO 185 Themes in Biology CHE 201 General Chemistry 1 FSP MAT 127 Calculus A★
Spring 1	BIO 211 Biology of the Eukaryotic Cell§ CHE 202 General Chemistry 2 Liberal Learning 1 of 3** Liberal Learning 2 of 3
Fall 2	BIO 221 Ecology and Field Biology§ CHE 331 Organic Chemistry 1 SED 224 Adolescent Learning and Development❖ MAT 128 Calculus B or MAT 200 Discrete Mathematics or STA 215 Statistical Inference
Spring 2	BIO 231 Genetics§ CHE 332 Organic Chemistry 2 EFN 299 School and Community❖ Liberal Learning 3 of 3
Fall 3	Biology 300-400 Option 1 of 4 SED 399 Pedagogy in Secondary Schools PHY 390 Methods of Teaching Science SPE 323 Secondary Content Area Literacy & Inclusion of Students with Disabilities
Spring 3	Biology 300-400 Option 2 of 4 Biology 300-400 Option 3 of 4 EFN 398 Historical and Political Context of Schools Language 1 of 2
Fall 4	Biology 300-400 Option 4 of 4 BIO 498 Biology Capstone PHY 201 General Physics 1 Language 2 of 2
Spring 4	BIO 490 Student Teaching SED 498 Education Capstone

* This plan assumes that the student enters TCNJ calculus ready, does not need to take WRI 101 or WRI 102, and needs two semesters of a language

**3 liberal learning classes are assumed if the Gender and Global Perspective Requirements are fulfilled in courses that also fulfill Breadth Distribution Requirements

If these assumptions are not met, students will need to take additional courses in the Winter or Summer terms in order to graduate in 4 years.

★ MAT 127 can be taken in any non-student teaching semester

§These Biology Courses are generally taken in semesters 2-4. BIO 211 is a prerequisite for BIO 231.

❖ SED 224 and EFN 299 can be taken in either order, but both must be completed by the end of Sophomore year.