

BIOLOGY / SECONDARY EDUCATION

POST-BACCALAUREATE PROGRAM

Major Requirements	Credits	Major Requirements	Credits	Secondary Education	Credits
BIOL 113	3	CHEM 113	3	EDUC 202	3
BIOL 113L	1	CHEM 113L	1	EDUC 231	1
BIOL 210	3	CHEM 114	3	EDUC 232	1
BIOL 210L	1	CHEM 114L	1	EDUC 235 ²	3
BIOL 213	3	CHEM 241	3	EDUC 240 ²	3
BIOL 213L	1	CHEM 241L	1	EDUC 270 ²	3
BIOL 270 ³	1	CHEM 242	3	EDUC 299⁷	0
BIOL 370 ⁴	2	CHEM 242L	1	EDUC 302 ^{2,7}	3
BIOL 470 ⁵	1	MATH 125	4	EDUC 305 ^{2,7}	3
BIOL Elective*	4	MATH 128	4	EDUC 350 ^{2,6,7}	3
BIOL Elective*	4	PHYS 111	3	EDUC 366 ^{2,7}	3
BIOL Elective*	4	PHYS 111L	1	EDUC 440 ⁷	3
BIOL Elective*	3	PHYS 112	3	EDUC 467 ^{2,7}	10
BIOL 490 / RIC ⁶	3	PHYS 112L	1	EDUC 468 ^{2,7}	2
Total Credits for Major			66	Total Credits for Secondary Education	41

*In addition to the Major Sequence requirements, a Biology Major must also complete a minimum of five (5) upper-level courses (minimum of three with lab). In addition, one of these courses must be research intensive (consult with Biology advisor). Biology majors also have the option to choose a major emphasis in Pre-Health, Molecular Biology, or Ecology (see College Catalog).

Biology Electives		
BIOL 310 Computer Modeling in Biology & Env. Sci	BIOL 349 Animal Behavior	BIOL 416 Parasitology
BIOL 314 Microbiology	BIOL 350 Vertebrate Embryology	BIOL 420 Botany
BIOL 323 Genetics	BIOL 353 Biochemistry	BIOL 430 Ecology
BIOL 326 Immunology	BIOL 355 Comparative Vertebrate Anatomy	BIOL 447 Physiology
BIOL 330 Introductory Bioinformatics	BIOL 380 Neuroendocrinology	BIOL 450 Molecular Genetics: DNA Science
BIOL 336 Cell Biology	BIOL 401 Special Topics in Env. Science	BIOL 456 Molecular Neuroscience

² Updated Clearance Packet **REQUIRED** for EDUC 235, EDUC 240, EDUC 270, EDUC 302, EDUC 305, EDUC 350, EDUC 366, EDUC 467 and EDUC 468.

³ Sophomore Seminar – Spring Semester of Sophomore Year

⁴ Junior Seminar – Fall or Spring Semester of Junior Year

⁵ Senior Seminar – Spring Semester of Senior Year

⁶ Research requirement: Biology 490 or Biology Elective that is designated as a Research intensive course (RIC)

⁷ EDUC 299 Basic Skills is a pre-requisite for all 300 and 400 level education courses. In order to register for this course, you must take and pass all basic skills tests.

NOTE: All Secondary Teacher Certification candidates must complete six credits of college level mathematics and six credits of college level English:

Math Courses	MATH 125	MATH 128
English Courses	CORE 110	CORE 16__

Must apply for formal acceptance to the Education Department after completing a minimum of 6 credits at King's College and no later than the semester prior to student teaching.

Certification in Pennsylvania requires the candidate to maintain a 3.0 GPA and complete the necessary testing requirements.