

**BS Biology/Secondary Education**  
**126 - 129 Credits Required**

It is the responsibility of the student to meet all of their major and liberal arts course requirements of the University.

**CORE REQUIREMENTS (40)**

*UNIV 100 Living Resp. (1)	Religious Studies 112 (3)	Philosophy 113 (3)
ENGL 160 Writing Skills (3)	Religious Studies 100 or above (3)	Philosophy 100 or above (3)
English 180 (3)	Foreign Language _____(3)	History(global)_____ (3)
English 300 or above (3)	*Foreign Language _____(3)	History_____ (3)
Fine Arts _____(3)	*Social Science _____(3)	

\*Transfer students are exempt from UNIV 100

\* Social Sciences e.g. Psychology 211, Economics, Sociology, Political Science, Anthropology, Criminology or any other social science course.

\*If a student has completed 4 years of the same foreign language in high school, that student can choose to take just one, three-credit course to satisfy the foreign language requirement. That course however, must be above the 212 level.

**MAJOR REQUIREMENTS**

**Required for all Biology/Secondary Ed Majors (55)**

BIOL 122+L	Anatomy and Physiology (4) (S) (SII)
BIOL 150+L	General Biology I (4) (F) (SI)
BIOL 151+L	General Biology II (4) (S) (SII)
BIOL 235+L	General Microbiology (4) (F)
BIOL 351	Evolution (3) (S)
BIOL 411B	Curriculum Methods & Materials (4) (F/S)
BIOL 410	Science Literacy Capstone (2) (F)
CHEM 131+L	General Chemistry I (4) (F) (SI) (SII)
CHEM 132+L	General Chemistry II (4) (S) (SII)
CHEM 221+L	Organic Chemistry I (4) (F)
ENVS 420+L	Ecology (4) (F)
PHYS 303+L	General Physics I (4) (F)
MATH 155	Statistics for the Bhl & So Sci (3) (F/S) (SI)
MATH 170 or MATH 201	Applications of Math to Biology (3) (S) Calculus with Analytic Geometry I (3) (F)
BIOL 440+L	Molecular & Cellular Biology (4) (S)
Or BIOL 446+L	Genetics (4) (F)

**(34) Additional Electives Needed**

EDUC 001-003	(0)
EDUC 005D	(1)
EDUC 100, 101	(.5/.5)
S ED 100	(3)
PSY 252	(3)
EDUC 311 *	(3)
S ED 367 *	(3)
EDUC 411A *	(3)
EDUC 414 *	(3)
EDUC 442/S ED 300	(9,3)
EDUC 461 *	(3)

\* = requires upper level screening

(F = Fall Semester)

(S = Spring Semester)

(F/S = Fall or Spring Semester)

(SI = Summer Session I)

(SII = Summer Session II)

\* The course requirements of the Department of Education (34 above) may be subject to change based on the guidelines established by the PA Department of Education. It is the responsibility of the student to meet all of their major and liberal arts course requirement of the university.