Biology Selectives:

Elect ten (10) hours of upper division biology courses

- Choose one Intermediate Biology Selectives, choose at least one Group A Selective, at least one Group B Selective, at least one Biology Lab Selective, and at least one 50000-level course from Group A Selectives or Group B Selectives. https://www.bio.purdue.edu/Academic/undergrad/ps2015/BIED-current.pdf
- Research (49400 or 49900), BIOL 36701 Principles of Development Lab, and BIOL 44100 Senior Seminar in Genetics, will count toward the ten credit requirements (maximum of two credits) but will not satisfy the Group A, Group B, or laboratory requirement.

One of the following Intermediate Biology Selectives:

BIOL	32800	Principles of Physiology [1,2] (4)
BIOL	39500	Macromolecules [1] (3)
BIOL	41500	Introduction to Molecular Biology [1] (3)
BIOL	41600	Viruses & Viral Disease [1] (3)
BIOL	42000	Eukaryotic Cell Biology [1] (3)
BIOL	43600	Neurobiology [1] (3)
BIOL	43800	General Microbiology [1,2] (3)
		OR
BIOL	36700	Principles of Development [1,2] (2) **AND**
BIOL	36701	Principles of Development Lab [1] (1)

[1]Courses chosen for the intermediate selective requirement may satisfy the intermediate selective requirement and still count as part of the 10 credit Biology selective requirement.

[2]These courses are recommended for teaching majors.

At least one of the following Group A Selectives:

BCHM	56100	General Biochemistry I (3)
BCHM	56200	General Biochemistry II (3)
BIOL	39500	Macromolecules [1] (3)
BIOL	41500	Introduction to Molecular Biology [1] (3)
BIOL	41600	Viruses & Viral Disease [1] (3)
BIOL	42000	Eukaryotic Cell Biology [1] (3)
BIOL	43600	Neurobiology [1] (3)
BIOL	43800	General Microbiology [1,2] (3)
BIOL	43900	Laboratory in General Microbiology [2] (2)
BIOL	44400	Human Genetics [2] (3)
BIOL	44600	Molecular Bacterial Pathogenesis (3)
BIOL	47800	Introduction to Bioinformatics (3)
BIOL	48100	Eukaryotic Genetics (3)
BIOL	49500	Biological and Structural Aspects of Drug Design and Action (3)
BIOL	51100	Introduction to X-Ray Crystallography (3)
BIOL	51600	Molecular Biology of Cancer (3)
BIOL	51700	Molecular Biology: Proteins (2)
BIOL	52900	Bacterial Physiography (3)
BIOL	53300	Medical Microbiology (3)
BIOL	53800	Molecular, Cellular, and Developmental Neurobiology (3)
BIOL	54100	Molecular Genetics of Bacteria (3)
BIOL	54900	Microbial Ecology (2)
BIOL	55001	Eukaryotic Molecular Biology (3)
BIOL	56200	Neural Systems (3)
BIOL	59500	Cellular Biology of Plants (3)
BIOL	59500	Epigenetics in Human Disease (3)
BIOL	59500	Genetics & -Omics of Host-Microbe Interaction (3)
BIOL	59500	Methods and Measurements in Physical Biochemistry (3)
BIOL	59500	Neural Mechanisms in Health & Disease (3)
BIOL	59500	Neurobiology of Learning and Memory (3)
BIOL	59500	Practical Biocomputing (3)
BIOL	59500	Protein Bioinformatics (2)
BIOL	59500	Theory of Molecular Methods (3)
CHM	33900	Biochemistry: A Molecular Approach (3)
CHM	53300	Introductory Biochemistry (3)

[1]Courses chosen for the intermediate selective requirement may satisfy the intermediate selective requirement and still count as part of the 10 credit Biology selective requirement.

[2]These courses are recommended for teaching majors.

At least one of the following Group B Selectives:

BIOL	30100	Human Design: Anatomy and Physiology [3] (3)
BIOL	30200	Human Design: Anatomy and Physiology [3] (3)
BIOL	32800	Principles of Physiology [1,2] (4)
BIOL	36700	Principles of Development [1,2] (2)
BIOL	43200	Reproductive Physiology (3)
BIOL	48300	Great Issues – Environmental & Conservation Biology (3)
BIOL	53700	Immunobiology (3)
BIOL	55900	Endocrinology (3)
BIOL	58000	Evolution (3)
BIOL	58500	Ecology [2] (3)
BIOL	58705	Animal Communication (3)
BIOL	59100	Field Ecology (4)
BIOL	59200	The Evolution of Behavior (3)
BIOL	59500	Ecological Statistics (3)
BIOL	59500	Sensory Ecology (3)
BIOL	59900	Quantitative Physiology (3)
HORT	30100	Plant Physiology [2] (4)

At least one of the following Lab Selectives:

BIOL	43900	Laboratory in General Microbiology (2)
BIOL	44201	Introductory Module: Protein Expression (2) **AND** At least one more credit of BIOL 442xx (1 or 2) **OR** BIOL 54200 Lab in Neurophysiology (1)
BIOL	59100	Field Ecology (4)