

Biology

Bachelor of Science

DEGREE PLAN

Common Core 36-38 Hours

CORE CAPSTONE		0
GNED 3000	Core Capstone	0

BIBLICAL LITERACY 6

BIBL 1013	Introduction to Christian Scripture	3
BIBL 1023	Christian Theology and Ethics	3

COMPOSITION AND LITERATURE 6

ENGL 1153	English Composition: Exposition and Argument	3
ENGL 1163	English: Composition and Classical Literature	3

SCIENTIFIC LITERACY AND MATHEMATICS 8-10

MATH 2013	Analytic Geometry and Calculus I	3
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SELECT ONE OPTION

CHEM 1054	Introduction to Chemistry I	4
and CHEM 1063	Introduction to Chemistry II	3
CHEM 1105	General Chemistry I	5

WELLNESS AND LIFELONG FITNESS 1

PHED 1001	The Wellness Lifestyle	1
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HISTORY AND LITERATURE 12

ENGL 2013	European Civilization: Literature	3
and HIST 2013	European Civilization: History	3

ENGL 2023	Modern West: Literature	3
and HIST 2023	Modern West: History	3

PHILOSOPHY AND FINE ARTS — SELECT ONE COURSE 3

FNAR 2063	Arts and Western Culture	3
FNAR 2163	Arts and Ideas	3
PHIL 1043	Introduction to Philosophy	3

Supportive Core 17 Hours

CHEM 1115	General Chemistry II	5
GNSC 1001	Computing for Science	1
GNSC 1201	Cornerstone of Science	1
GNSC 4951	Science Capstone	1
MATH 2003	Basic Statistics	3
OR MATH 2023	Analytic Geometry and Calculus II	3

SELECT TWO COURSES

---	Communications Course	3
---	Criminal Justice Course	3
---	Economics Course	3
---	English Course	3
---	Family Science Course	3
---	Fine Arts Course	3
---	History Course	3
---	Philosophy Course	3
---	Political Science Course	3
---	Sociology Course	3
---	World Language Course	3

Biology 41-43 Hours

AREA OF SEPCIALIZATION[§] 33

BIOL 2034	Plant Biology	4
BIOL 3014	Molecular and Cellular Biology	4
BIOL 3034	Environmental Biology	4
BIOL 3144	Animal Biology	4
BIOL 4014	Genetics	4
BIOL 4044	Developmental Biology	4
CHEM 3104	Organic Chemistry I	4
CHEM 3114	Organic Chemistry II	4
GNSC 3301	Computing for Science II	1

SELECT ONE PAIR 8-10

PHYS 2414	College Physics I	4
and PHYS 2424	College Physics II	4
PHYS 2515	University Physics I	5
and PHYS 2525	University Physics II	5

Electives[¶] 22-26 Hours

Elective classes suggested for Pre-Health Professions:

BIOL 2354	Human Anatomy	4
BIOL 2364	Human Physiology	4
BIOL 2504	Introduction to Cell Biology	4
BIOL 3043	Immunology	3
BIOL 3062	Research Methods and Biostatistics	2
BIOL 3274	Microbiology	4
BIOL 4329	Advanced Topics [‡]	8
CHEM 3054	Biochemistry	4
CHEM 4603	Advanced Biochemistry	3

Total Hours

Common Core	36-38
Supportive Core	17
Biology	41-43
Electives	22-26

Total hours required for graduation 120

[§] All student concentrating in biology are required to take the Major Field Achievement Test in Biology.

[‡] In consultation with advisor

[¶] Courses selected on the basis of student interest in consultation with faculty advisor.

No D's will be accepted in the area of concentration and the supportive courses or in courses comprising majors and minors.

Program must include at least 30 hours of courses at the 3000-4000 level.