

**Biology (BS) Plan II –  
3+2 Professional Program**  
122 hours

**University Requirement – 2 hours**

GSTD            1002            Freshman Seminar

**General Education – 24 hours** (Mathematics, natural science and physical science courses are included in the major.)

**Biology – 27 hours**

BIOL	1203/1201	Principles of Biology I/Lab
BIOL	1213/1211	Principles of Biology II/Lab
BIOL	2403	Medical Terminology
BIOL	3032/3022	General Microbiology/Lab
BIOL	3033/3031	Genetics/Lab
BIOL	3043	Cell Biology
BIOL	3703/3701	Vertebrate Physiology/Lab
SCI	3101	Pre-Health Colloquium

**Chemistry – 20 hours**

CHEM	1023/1021	University Chemistry I/Lab
CHEM	1123/1121	University Chemistry II/Lab
CHEM	3003/3001	Organic Chemistry I/Lab
CHEM	3103/3101	Organic Chemistry II/Lab
CHEM	3073/3071	Biochemistry I/Lab

**Mathematics – 10-11 hours**

Option A:

MATH	1023	College Algebra
MATH	1033	Plane Trigonometry
MATH	1525	Calculus I

Option B:

MATH	1045	Pre-Calculus Mathematics
MATH	1525	Calculus I

**Physics – 8 hours**

PHYS	2003/2001	College Physics I/Lab
PHYS	2103/2101	College Physics II/Lab

**or**

PHYS	2203/2201	University Physics I/Lab
PHYS	2213/2211	University Physics II/Lab

**Electives – 30 hours**

Electives in approved accredited professional school.

**Biology (BS) Plan II –  
Ten-Semester 3+2 Professional Program**

Suggested Plan of Study

2018-2019 Catalog

Fall - Semester 1		Spring - Semester 2	
ENGL 1113 Composition I	3	ENGL 1123 Composition II	3
MATH 1023 College Algebra	3	MATH 1033 Plane Trigonometry	3
BIOL 1203/1201 Principles of Biology I/Lab	4	BIOL 1213/1211 Principles of Biology II/Lab	4
CHEM 1023/1021 University Chemistry I/Lab	4	CHEM 1123/1121 University Chemistry II/Lab	4
GSTD 1002 Freshman Seminar	2	Fine Arts/Humanities (ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
<b>Total Semester Hours</b>	<b>16</b>	<b>Total Semester Hours</b>	<b>17</b>
Fall - Semester 3		Spring - Semester 4	
BIOL 3033/3031 Genetics/Lab	4	BIOL 3032/3022 Microbiology/Lab	4
CHEM 3003/3001 Organic Chemistry I/Lab	4	CHEM 3103/3101 Organic Chemistry II/Lab	4
BIOL 2403 Medical Terminology	3	World Literature I/II (ENGL 2213 or ENGL 2223)	3
MATH 1525 Calculus I	5	Social Science choice (ECON 2103, FIN 2003, GEOG 2003, PSCI 2003, PSYC 2003, SOC 1003 or SOC 2003)	3
SCI 3103 Pre-Health Colloquium	1		
<b>Total Semester Hours</b>	<b>17</b>	<b>Total Semester Hours</b>	<b>15</b>
Fall - Semester 5		Spring - Semester 6	
BIOL 3703/3701 Vertebrate Physiology/Lab	4	BIOL 3043 Cell Biology	3
PHYS 2003/2001 College Physics I/Lab or PHYS 2203/2201 University Physics I/Lab	4	PHYS 2103/2101 College Physics II/Lab or PHYS 2213/2211 University Physics II/Lab	4
CHEM 3073/3071 Biochemistry I/Lab	4	Fine Arts/Humanities (ART 2013, HUM 2003, ENGL 2213, ENGL 2223, MUS 2003 or MUS 2013, PHIL 2403, THEA 2003 or Foreign Language)	3
*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National)	3	*HIST 1003 or 1013 World History I or II OR HIST 2013 or 2023 U.S. History I or II or PSCI 2003 American Government: National)	3
<b>Total Semester Hours</b>	<b>15</b>		<b>13</b>

Total hours required for major – 92 hours from SAU plus 30 hours from an approved professional program.

\*Note: Must have six hours of history/government. Three hours must be World History I or II. Three hours must be U.S. History I, U.S. History II or American Government: National.