

# B.S. in Biology/Secondary Education

Milligan College

Catalog Year  
2019-20

This document is designed as a guide for students planning their course selection and is only a suggested schedule. Actual course selections should be made with the advice and consent of the academic advisor. While accurately portraying the information contained in the College Catalog, this form is not considered a legal substitute for that document. Students should become familiar with the Catalog in effect at the time in which they enter Milligan.

FALL SEMESTER 1		
COURSE	TITLE	CREDITS
BIOL 111	Principles of Biology I	4
HUMN 101	Ancient & Medieval Cultures	4
BIBL 123	Old Testament Survey	3
MLGN 100	Intro to College & Service	0.5
GEOG 202	Cultural & Ethnic Geography	3
EDUC 150	Intro to Teaching	2
<b>TOTAL CREDITS</b>		<b>16.5</b>

SPRING SEMESTER 1		
COURSE	TITLE	CREDITS
BIOL 112	Principles of Biology II	4
HUMN 102	Renaissance & Early Modern Cult.	4
BIBL 124	New Testament Survey	3
COMP 111	Rhetorical Composition	3
EXSC 101	Fitness for Life	1
EDUC 152	Technology in Education	1
<b>TOTAL CREDITS</b>		<b>16</b>

FALL SEMESTER 2		
COURSE	TITLE	CREDITS
HUMN 201	18th & 19th Century Cultures	4
COMP 211	Found. of Analytical Composition	3
BIOL 360	Ecology <sup>1</sup>	4
CHEM 170	General Chemistry I	4
SOCL 201	Introduction to Sociology	3
<b>TOTAL CREDITS</b>		<b>18</b>

SPRING SEMESTER 2		
COURSE	TITLE	CREDITS
HUMN 202	Cultures of 20th & 21st Centuries	4
MLGN 200	Intro to Calling & Career	0.5
BIOL	Biology Elective	4
CHEM 151 or 171	Org & Biol Chem or Gen Chem II	4
COMM 102	Speech	3
EDUC 234	Classroom Management	2
<b>TOTAL CREDITS</b>		<b>17.5</b>

FALL SEMESTER 3		
COURSE	TITLE	CREDITS
BIOL 310	Genetics	4
MATH 211 or 213	Calculus I or Statistics (3 hrs) <sup>2</sup>	3 or 4
PSYC 356	Cross-Cultural (ethnic studies)	3
EDUC 231	Psyc & Ed of Exceptional Children	3
BIOL 131	Environmental Studies	3
<b>TOTAL CREDITS</b>		<b>16-17</b>

SPRING SEMESTER 3		
COURSE	TITLE	CREDITS
BIOL	Advanced (432, 450, or 452)	3 or 4
PSYC 254	Adolescent Psychology	3
EDUC 357	Content Area Reading	3
EDUC 409	Secondary Methods	5
BIOL	Biology Elective	4
<b>TOTAL CREDITS</b>		<b>14-15</b>

FALL SEMESTER 4		
COURSE	TITLE	CREDITS
PHYS 104	Earth and Space	4
BIOL 494	Capstone Seminar <sup>3</sup>	2
EDUC 307	Secondary Foundations	3
EDUC 321	Assessment for Instruction	3
BIBL 471	Christ & Culture	3
<b>TOTAL CREDITS</b>		<b>15</b>

SPRING SEMESTER 4		
COURSE	TITLE	CREDITS
EDUC 454	Student Teaching <sup>4</sup>	12
EDUC 460	Capstone Seminar	1
<b>TOTAL CREDITS</b>		<b>13</b>
<b>MINIMUM 128 NEEDED FOR GRAD</b>		<b>130-131</b>

<sup>1</sup> Could also choose BIOL 130 in fall or BIOL 210 in spring semester in place of 360

<sup>2</sup> MATH 211 (fall) or MATH 171 (spring) is required to take physics; if don't choose, then MATH 213 (spring or fall) statistics is recommended

<sup>3</sup> Could choose BIOL 499 (2 hrs) or REU/Internship and BIOL 499C (1 hr)

<sup>4</sup> Verification of CPR and First Aid Competency is required prior to practicum

**FALL Biology Electives:**

- BIOL 250 Anatomy & Physiology I
- BIOL 360 Ecology
- BIOL 430 Advanced Anatomy
- BIOL 431 Musculoskeletal Anatomy

Offered as Needed: BIOL 341 and BIOL 342

**SPRING Biology Electives:**

- BIOL 210 Flora & Fauna of Southern Appalachia
- BIOL 251 Anatomy & Physiology II
- BIOL 362 Vertebrate Field Biology
- BIOL 380 Microbiology & Immunology
- BIOL 430 Advanced Anatomy
- BIOL 432 Neuroanatomy
- BIOL 450 Molecular Biology (odd years)
- BIOL 452 Cell Biology (even years)