



**BIOLOGY**  
**ASSOCIATE OF SCIENCE**  
 Program Requirements

SEMESTER & COURSES	CREDIT HOURS	SEMESTER & COURSES	CREDIT HOURS
<i>Semester 1 (Fall)</i>		<i>Semester 2 (Spring)</i>	
ENGL 1010: English Composition I	3	ENGL 1020: English Composition II	3
History <sup>2</sup>	3	MATH 1530: Introductory Statistics or MATH 1910 Calculus I or MATH 1720: Pre-Calculus Trigonometry <sup>3</sup>	3 or 4
Guided elective <sup>4</sup>	3 or 4	PSYC 1030: Introduction to Psychology or other approved Social/Behavioral Sciences general education course <sup>1</sup>	3
CHEM 1110: General Chemistry I	4	CHEM 1120: General Chemistry II	4
<b>Subtotal Semester 1</b>	<b>13 - 14</b>	<b>Subtotal Semester 2</b>	<b>13-14</b>
<i>Semester 3 (Fall)</i>		<i>Semester 4 (Spring)</i>	
CHEM 2010: Organic Chemistry I	4	CHEM 2020: Organic Chemistry II <sup>5</sup>	4
BIOL 1110: General Biology I	4	SOCI 1010: Introduction to Sociology or other approved Social/Behavioral Sciences general education course <sup>1</sup>	3
History <sup>2</sup>	3	BIOL 1120: General Biology II	4
Humanities/Fine Arts	3	Humanities/Literature	3
COMM 2025: Fundamentals of Communication or any approved speech/communication general education course	3	Humanities/Fine Arts	3
<b>Subtotal Semester 3</b>	<b>17</b>	<b>Subtotal Semester 4</b>	<b>17</b>
		<b>Total Credit Hours</b>	<b>60+</b>

**NOTES:**

<sup>1</sup> Students who select the Biology TTP with the intention to concentrate in pre-med or other pre-health-related fields at the university are strongly recommended to take Introduction to Psychology and Introduction to Sociology.

<sup>2</sup> Students transferring to UTK will need an additional writing -intensive communication course (see UTK's website for a list of approved courses). Students transferring to UTK must also complete a sequence of non-U.S. history courses.

<sup>3</sup> Students transferring to ETSU, TTU, UTC, UTM, and UTS should take MATH 1530 Introductory Statistics. Students transferring to APSU, MTSU, UoM, UTK should take MATH 1910 Calculus I. Students transferring to TSU should take MATH 1720 or higher.

<sup>4</sup> Students transferring to UTK should take MATH 1920 Calculus II. Students transferring to ETSU should take MATH 1910 Calculus I. Students transferring to TTU or UTC should take MATH 1130 College Algebra or MATH 1710 Pre-Calculus Algebra. Students transferring to any other institution should contact an advisor to determine the appropriate elective.

<sup>5</sup> Students transferring to TTU should contact an advisor to determine the appropriate course; you may not need to take CHEM 2020, depending on the Area of Concentration.