

**WTAMU ADVISING SERVICES – 2025-2026 Curriculum Guide**

**Major: Biology, B.S.**

**Major Code: 102**

<b>Year 1: Fall</b>		<b>Year 1: Spring</b>	
CORE 10 (Communication) – ENGL 1301 or 1311	3	CORE 30 (Life & Phys. Sci.) – BIOL 1407 or 1411	3
CORE 20 (Mathematics) – MATH 1314, 1316, or 2412 (4 <sup>th</sup> hour from 2412 counts toward Core 90)	3	CORE 90 (Component Area Option) – BIOL 1407L or 1411L	1
CORE 30 (Life & Phys. Sci.) – BIOL 1406 or 1413	3	CORE 90 (Component Area Option) - ENGL 1302 or 2311	3
CORE 90 (Component Area Option) – IDS 1071	1	MATH 1316 Plane Trig <b>or</b> 2412 Pre-Calc <b>or</b> MATH 1342 Elem Stats <b>or</b> MATH 3360 Statistical Methods	0-4
CORE 90 (Component Area Option) – BIOL 1406L or 1413L	1	CHEM 1411/1411L Chemistry I	4
CORE 60– See checklist for options <sup>1</sup>	3	CORE 70 - POSC 2305	3
<b>Total:</b>	<b>14</b>	<b>Total:</b>	<b>14-18</b>
<b>Year 2: Fall</b>		<b>Year 2: Spring</b>	
BIOL Elective 1 (see <sup>2</sup> below)	3-5	BIOL Elective 3 (see <sup>2</sup> below)	3-5
CHEM 1412/1412L Chemistry II	4	BIOL Elective 4 (see <sup>2</sup> below)	3-5
BIOL Elective 2 (see <sup>2</sup> below)	4	CORE 50– See checklist for	3
CORE 10 – COMM Core option <sup>1</sup>	3	CORE 70 - POSC 2306	3
<b>Total:</b>	<b>14-16</b>	<b>Total:</b>	<b>12-16</b>
<b>Year 3: Fall</b>		<b>Year 3: Spring</b>	
BIOL Elective 5 (see <sup>2</sup> below)	3-5	BIOL Elective 6 (see <sup>2</sup> below)	3-5
GEOL 1403 Physical Geology <b>or</b> PHYS 1401 General Physics I	4	GEOL 1404 Historical Geology <b>or</b> PHYS 1402 General Physics II	4
Advanced Elective (see checklist or <sup>3</sup> below)	3-5	Advanced Elective (see checklist or <sup>3</sup> below)	3-5
CORE 60– See checklist for options <sup>1</sup>	3	Advanced Elective (see checklist or <sup>3</sup> below)	3-4
<b>Total:</b>	<b>13-17</b>	<b>Total:</b>	<b>13-18</b>
<b>Year 4: Fall</b>		<b>Year 4: Spring</b>	
Advanced Elective (see checklist or <sup>3</sup> below)	3-5	CORE 80 – See checklist for options <sup>1</sup>	3
Advanced Elective (see checklist or <sup>3</sup> below)	3-5	Additional Advanced Electives as needed to total 36 in science/math	TBD
Advanced Elective (see checklist or <sup>3</sup> below)	3-5	Additional Any-Level Electives as needed to total 120 hours overall	TBD
CORE 40– See checklist for options <sup>1</sup>	3		
<b>Total:</b>	<b>12-18</b>	<b>Total:</b>	<b>TBD</b>

<sup>1</sup> **CORE:** Biology majors are required to take specific courses for Core 20, Core 30, and Core 90. For all other categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.

<sup>2</sup> **Biology Electives:** Take six biology courses (2000-, 3000-, or 4000-level) of which five must include laboratories.

<sup>3</sup> **Advanced Elective:** Additional advanced hours (3000- or 4000-level) to provide a minimum of 36 hours selected from biology, chemistry, biotechnology, environmental science, geology, mathematics, or physics. The hours required for individual courses may range from 1-6 depending upon the courses selected. **Advanced hours taken for Biology Electives count toward these 36 hours.**

Identified Marketable Skills	Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities

**Additional notes:**

- The core curriculum must total exactly 42 hours; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.
- At least 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.