

# 4-Year Degree Plan

Program: Biology

Major Code: 6000

Major: Biology w/MATH

<b>Semester 1</b>	<b>Semester 2</b>
ENG 1113 (English Comp I) **MATH 1453 (Applied Algebra) BIO 1204 or 1225 (Principles or Diversity) CHEM 1103 (Gen Chem I) CHEM 1112 (Gen Chem I Lab)	BIO 1204 or 1225 (Principles or Diversity) CHEM 1223 (Gen Chem II) CHEM 1232 (Gen Chem II Lab) **MATH 1593 (Plane Trig) ENG 1213 (Eng Comp & Research)
<b>Total Hours: 15 - 16</b>	<b>Total Hours: 15 - 16</b>

<b>Semester 3</b>	<b>Semester 4</b>
BIO 2203 (Cell Bio) BIO 2211 (Cell Bio Lab) CHEM 3303 or 3013 (Org Chem I or Chem for Life Sci) CHEM 3312 or 3022 (Org Chem I Lab or Chem Life Sci Lab) STAT 2103 (Intro Stats for Sciences) Cultural & Language Analysis (3hrs)	BIO 3303 or 3054 (Genetics or Microbio & Lab) BIO 3703 (Evolution) MATH 2153 (BioCalculus) POL 1113 (American Nat'l Gov't) MCOM 1113 (Speech)
<b>Total Hours: 15</b>	<b>Total Hours: 15 - 16</b>

<b>Semester 5</b>	<b>Semester 6</b>
PHY 1114 (General Physics I & Lab) BIO 3303 or 3054 (Genetics or Microbio & Lab) BIO 3543 (General Ecology) Critical Inquiry (3hrs) HIST 1483 or 1493 (Hist. of U.S.)	Upper Division Bio* (8hrs) Social & Behavioral Analysis (3hrs) Aesthetic Analysis (3hrs) HLTH 1112 (Healthy Life Skills)
<b>Total Hours: 16 - 17</b>	<b>Total Hours: 16</b>

<b>Semester 7</b>	<b>Semester 8</b>
Upper Division Bio* (4hrs) Elective Life Skill (3hrs) Free Upper Division (8hrs)	Upper Division Bio* (4hrs) Free Upper Division (11hrs) BIO 4840 (Capstone)
<b>Total Hours: 15</b>	<b>Total Hours: 15</b>

**Graduation Totals: 124 Hours**

\*Any 3000/4000 level UCO Bio course and/or Chem 3403

\*\*Biology Majors who complete 2 years of H.S. Algebra & 1 year of Trigonometry may elect not to take MATH 1453 & MATH 1593

# 5-Year Degree Plan

Program: Biology

Major Code: 6000

Major: Biology w/MATH

Semester 1	Semester 2
ENG 1113 (English Comp I) **MATH 1453 (Applied Algebra) CHEM 1103 (Gen Chem I) CHEM 1112 (Gen Chem I Lab) UNIV 1012 (Success Central)	BIO 1204 or 1225 (Principles or Diversity) CHEM 1223 (Gen Chem II) CHEM 1232 (Gen Chem II Lab) ENG 1213 (Eng Comp & Research)
<b>Total Hours: 13</b>	<b>Total Hours: 12 - 13</b>

Semester 3	Semester 4
BIO 1204 or 1225 (Principles or Diversity) BIO 2203 (Cell Bio) BIO 2211 (Cell Bio Lab) STAT 2103 (Intro Stats for Sci)	CHEM 3303 or 3013 (Org Chem I or Chem for Life Sci) CHEM 3312 or 3022 (Org Chem I Lab or Chem Life Sci Lab) BIO 3543 (Gen Ecology) **MATH 1593 (Plane Trig) HLTH 1112 (Healthy Life Skills)
<b>Total Hours: 11 - 12</b>	<b>Total Hours: 13</b>

Semester 5	Semester 6
BIO 3703 (Evolution) PHY 1114 (Gen Phys I & Lab) POL 1113 (American Nat'l Gov't) MCOM 1113 (Speech)	MATH 2153 (BioCalculus) BIO 3054 (Microbio for Majors & Lab) Upper Division Bio* (3hrs) HIST 1483 or 1493 (History of U.S.)
<b>Total Hours: 13</b>	<b>Total Hours: 13</b>

Semester 7	Semester 8
BIO 3303 (Genetics) Upper Division Bio* (3hrs) Aesthetic Analysis (3hrs) Free Elective (3hrs)	Upper Division Bio* (4hrs) Free Upper Division Elective (3hrs) Social & Behavioral Analysis (3hrs) Elective Life Skills (2hrs)
<b>Total Hours: 12</b>	<b>Total Hours: 12</b>

Semester 9	Semester 10
Upper Division Bio* (3hrs) Critical Inquiry (3hrs) Cultural & Language Analysis (3hrs) Free Electives (3hrs)	Upper Division Bio* (3hrs) Free Upper Division Elective (9hrs) BIO 4840 (Capstone)
<b>Total Hours: 12</b>	<b>Total Hours: 12</b>

**Graduation Totals: 124 Hours**

\*Any 3000/4000 level UCO Bio course and/or Chem 3403

\*\*Biology Majors who complete 2 years of H.S. Algebra & 1 year of Trigonometry may elect not to take MATH 1453 & MATH 1593