



## Bachelor of Science in Biology

### Degree Program Checklist

Student: \_\_\_\_\_ ID#: \_\_\_\_\_ Advisor: \_\_\_\_\_

<u>Class</u>	<u>Hours</u>	<u>Grade</u>	<u>Semester</u>
<b>General Education (40 Hours):</b>			
CO 105 Introduction to Public Speaking	3	_____	_____
EN 101 Composition	3	_____	_____
EN 102 Composition and Literature	3	_____	_____
ES 100 Physical Well Being	2	_____	_____
*Choose 1: HI 201 American History I			
HI 202 American History II	3	_____	_____
PH 210 Introduction to Logic	3	_____	_____
PO 101 American National Government	3	_____	_____
*Choose 1: PY 210 General Psychology			
PY 220 Human Growth & Development			
PY 260 Brain and Behavior	3	_____	_____
**TM 100 Pathfinders	1	_____	_____
*Choose 1: AR 105 Art Appreciation & Criticism			
EN 201 or EN 202 English Literature Survey I or II			
EN 221 or EN 222 World Masterpieces Survey I or II			
EN 231 or EN 232 American Literature Survey I or II			
FA 110 Art, Literature, & Music Appreciation & Worldview			
MU 105 Music Appreciation			
TH 101 Theatre Appreciation	3	_____	_____
***NS 101 Biblical Worldview of Science	1	_____	_____
<b>Great Commission Studies:</b>			
CS 101 Bible Survey	3	_____	_____
*Choose 1: CS 120 Theological Survey			
CS 322 Christian Theology I			
CS 323 Christian Theology II	3	_____	_____
CS 230 History of the Free Church	3	_____	_____
MI 201 Great Commission Living	3	_____	_____

\* Major required courses may not also be counted as General Education.

\*\* First time college students entering TMU with a High School GPA below 3.0 are required to take TM 101A, 0 credit study skills course, along with TM 100.

\*\*\* Biology students must take BI 107 (in lieu of BI 101) and NS 101.

<u>Class</u>	<u>Hours</u>	<u>Grade</u>	<u>Semester</u>
<b>Support Courses (43 Hours):</b>			
<b>Biological Science Core (16 hours)</b>			
BI 107 Principles of Biology I	4	_____	_____
BI 108 Principles of Biology II	4	_____	_____
BI 212 Anatomy and Physiology I	4	_____	_____
BI 213 Anatomy and Physiology II	4	_____	_____
<b>Mathematic Science Core (7 hours)</b>			
*MA 200 Statistics	3	_____	_____
**MA 220 Calculus with Analytical Geometry	4	_____	_____
<b>Physical Science Core (20 hours)</b>			
CH 121 General Chemistry I	4	_____	_____
CH 122 General Chemistry II	4	_____	_____
CH 240 Basic Organic Chemistry I	4	_____	_____
CH 241 Basic Organic Chemistry II	4	_____	_____
PX 101 Introductory Physics I	4	_____	_____
<b>Biological Sciences Core (39 hours)</b>			
BI 300 Cell Biology	3	_____	_____
BI 301 Genetics	4	_____	_____
BI 302 Ecology	4	_____	_____
BI 303 Microbiology	4	_____	_____
***Choose 1			
BI 420 Endocrinology			
BI 470 Global Health			
300/400 Science Elective	3	_____	_____
BI 410 Vertebrate Zoology	4	_____	_____
BI 460 Research Methods	3	_____	_____
BI 498 Capstone Research	3	_____	_____
BI 499 Capstone Presentation	2	_____	_____
CH 340 Biochemistry	3	_____	_____
NS 321 Origins	3	_____	_____
NS 498 History, Philosophy, Ethics of Science	3	_____	_____
<b>TOTAL HOURS</b>		<b>122</b>	

\*MA 200 requires a prerequisite of MA 102 or its equivalent (Accuplacer testing is available; see your advisor for details.)  
\*\*MA 220 requires a prerequisite of MA 116 or its equivalent (Accuplacer testing is available; see your advisor for details.)  
\*\*\*Course offering will be determined by the Master Course Rotation.