

**Truett McConnell University**  
**Bachelor of Science in Biology: Pre-Health Sciences Concentration**  
**Math Competent Curriculum Outline**

**\*\*In order to complete this degree program in four (4) years, students need to have been granted exemption by examination or taken and passed, with a C or above, Mathematics Review and Beginning Algebra (MA 098), Intermediate Algebra (MA 099), College Algebra (MA 102), Pre-Calculus (MA 116), and Developmental Grammar and Composition (EN 099) before entering the fall semester of their Freshman year. If any of these math or english courses are required (MA 098, MA 099, MA 102, MA 116, and/or EN 099) prior to entrance to MA 200/MA 220 and/or EN 101, this degree program may require extra time to complete. In addition any students that drop or withdraw from courses, may require additional time to complete the degree program. You should follow this outline (Math Competent) if you have the ability to enter MA 200, MA 220, and EN 101 your Freshman year.**

<b>Fall Semester – Year 1 (18 Hours)</b>		<b>Spring Semester – Year 1 (17 Hours)</b>	
EN 101 Composition	3	EN 102 Composition and Literature	3
MA 220 Calculus with Analytical Geometry	3	MA 200 Statistics	3
CH 121 General Chemistry I	4	CH 122 General Chemistry II	4
BI 101 Concepts in Biology	4	FA 110 Art, Lit., Music Appreciation & Worldview	3
CS 101 Bible Survey	3	BU 105 Public Speaking and Leadership	3
ES 101 Physical Wellbeing I	1	ES 102 Physical Wellbeing II	1
FD 100 Introduction	0		

<b>Fall Semester – Year 2 (15 Hours)</b>		<b>Spring Semester – Year 2 (18 Hours)</b>	
BI 107 Principles of Biology I	4	BI 108 Principles of Biology II	4
SO 260 Social Problems	3	BI 250 Microbiology	4
CH 240 Basic Organic Chemistry I	4	CH 241 Basic Organic Chemistry II	4
HI 201 American History	3	PY 220 Human Growth and Development	3
FD 200 Christian Worldview	1	PH 210 Introduction to Logic	3

**\*\* Student submits application for entry into Bachelor of Science in Biology: Pre-Health Concentration program during spring semester of sophomore year.**

<b>Fall Semester – Year 3 (18 Hours)</b>		<b>Spring Semester – Year 3 (17 Hours)</b>	
BI 212 Anatomy and Physiology I	4	BI 213 Anatomy and Physiology II	4
PX 101 Introductory Physics I	4	PX 102 Introductory Physics II	4
CS 322 Christian Theology I	3	CS 323 Christian Theology II	3
BI 300/400 Elective	4	BI 300/400 Elective	3
BI 300/400 Elective	3	CS/BI 330 Baptist History	3
FD 300 Ministry Project	0		

<b>Fall Semester – Year 4 (15 Hours)</b>		<b>Spring Semester – Year 4 (14 Hours)</b>	
BI 497 Capstone Research	2	BI 498 Capstone Presentation and Paper	1
NS 321 Origins	3	NS 498 History, Philosophy, Ethics of Science	3
BI 300/400 Elective	4	BI 300/400 Elective	3
BI 300/400 Elective	3	BI 300/400 Elective	4
MI 251 Intro. to the Great Commission	3	PO 101 American National Government	3
FD 400 Capstone	0		

**Truett McConnell University**  
**Bachelor of Science in Biology: Pre-Health Sciences Concentration**  
**Math Improvement Curriculum Outline**

\*\*In order to complete this degree program in four (4) years, students need to have been granted exemption by examination or taken and passed, with a C or above, Mathematics Review and Beginning Algebra (MA 098), Intermediate Algebra (MA 099), College Algebra (MA 102), Pre-Calculus (MA 116), and Developmental Grammar and Composition (EN 099) before entering the fall semester of their Freshman year. If any of these math or english courses are required (MA 098, MA 099, MA 102, MA 116, and/or EN 099) prior to entrance to MA 200/MA 220 and/or EN 101, this degree program requires extra time to complete. **In addition any students that drop or withdraw from courses, may require additional time to complete the degree program.** You should follow this outline (Math Improvement) if you do not have the ability to enter **MA 200, MA 220, and EN 101** your Freshman year.

<b>Fall Semester – Year 1 (17 Hours)</b>		<b>Spring Semester – Year 1 (16 Hours)</b>	
EN 099 Developmental Grammar and Composition	3	EN 101 Composition	3
MA 098/MA 099 (7 week courses;6 hrs per week)	3/3	MA 102/MA 116 (7 week courses; 6 hrs per week)	3/3
CS 101 Bible Survey	3	SO 260 Social Problems	3
BI 101 Concepts in Biology	4	PH 210 Introduction to Logic	3
ES 101 Physical Wellbeing I	1	ES 102 Physical Wellbeing II	1
FD 100 Introduction	0		

<b>Summer Semester – Year 1 (6 Hours)</b>	
PO 101 American National Government	3
PY 220 Human Growth and Development	3

<b>Fall Semester – Year 2 (18 Hours)</b>		<b>Spring Semester – Year 2 (18 Hours)</b>	
CH 121 General Chemistry I	4	CH 122 General Chemistry II	4
BI 107 Principles of Biology I	4	BI 108 Principles of Biology II	4
MA 220 Calculus with Analytical Geometry	3	MA 200 Statistics	3
HI 201 American History	3	CS/HI 330 Baptist History	3
EN 102 Composition and Literature	3	BI 250 Microbiology	4
FD 200 Christian Worldview	1		

<b>Summer Semester – Year 2 (6 Hours)</b>	
MI 251 Intro. to the Great Commission	3
BU 105 Public Speaking and Leadership	3

**\*\* Student submits application for entry into Bachelor of Science in Biology program during spring semester of sophomore year.**

<b>Fall Semester – Year 3 (18 Hours)</b>		<b>Spring Semester – Year 3 (17 Hours)</b>	
CH 240 Basic Organic Chemistry I	4	CH 241 Basic Organic Chemistry II	4
BI 212 Anatomy and Physiology I	4	BI 213 Anatomy and Physiology II	4
BI 300/400 Elective	4	BI 300/400 Elective	3
BI 300/400 Elective	3	FA 110 Art, Lit., Music Appreciation & Worldview	3
CS 322 Christian Theology I	3	CS 323 Christian Theology II	3
FD 300 Ministry Project	0		

<b>Fall Semester – Year 4 (16 Hours)</b>		<b>Spring Semester – Year 4 (15 Hours)</b>	
PX 101 Introductory Physics I	4	PX 102 Introductory Physics II	4
BI 497 Capstone Research	2	BI 498 Capstone Presentation and Paper	1
NS 321 Origins	3	NS 498 History, Philosophy, Ethics of Science	3
BI 300/400 Elective	3	BI 300/400 Elective	4
BI 300/400 Elective	4	BI 300/400 Elective	3
FD 400 Capstone	0		