



**TMU Graduation Requirements**

Complete a minimum of 122 semester units of credit.  
Complete a minimum of 40 semester units in upper division courses. Includes 300 & 400 level courses.  
Satisfy all General Education requirements.  
Complete the required curriculum for the chosen major's field(s) of study.  
Maintain a minimum GPA of 2.00 (cumulative) in all TMU Courses. *Some majors have different GPA requirements.*  
Complete a minimum of 32 semester units at TMU, not including Directed Studies coursework.  
A maximum of 12 units can be transferred to complete degree requirements after the last 12 units taken at TMU.

**GENERAL EDUCATION**

**SCRIPTURE SET** *Students who transfer with 24 or more units are required to take 1 Bible Gen Ed. per semester of enrollment at TMU; starting with all survey courses (B101, B102, B201, B202; any order), followed by BTH321/322 and B121. All other students must complete all Bible GE.*

Units	Term	
3		B121 Essentials of Christian Thought
3		B101 Old Testament Survey I
3		B102 Old Testament Survey II*
3		B201 New Testament Survey I*

Units	Term	
3		B202 New Testament Survey II
3		BTH321 Christian Theology I
3		BTH322 Christian Theology II
21	Total	<i>*Or Non-Biblical Studies: IBEX300 with approval</i>

**WORLDVIEW AND SKILLS SET** *Depending on the student's major, certain G.E. requirements allow for substitutions.*

Units	Term	Course	Substitution
3		C100 Spoken Communication	<u>Biblical Studies</u> : BMN310 Message Prep for Women, or BMN370 Sermon Prep & Delivery. <u>Business Administration</u> & <u>Marketing Media</u> : MGT330 Business Communication. <u>BM Music</u> : not required.
3		E110 English Composition	700+ score (Evidence-Based Reading & Writing section of SAT I) 3+ score (AP Language & Composition exam) 3+ score (AP Literature & Composition exam) 31+ score (English section of the ACT) 10+ score (WritePlacer exam from CollegeBoard) 5+ score (Criterion Online Writing Evaluation Service from ETS)
3		E__ General Literature Elective	<i>Does not include: E330, E353, E364, E435, E436, E491A, E491B. <u>BM Music</u> : not required.</i>
3		Essentials of Literature	E211 English Literature I, E212 English Literature II, E221 World Literature I, E222 World Literature II, E231 American Literature I, or E232 American Literature II.
3		ECN200 Essentials of Economics & Society	<u>BM Music</u> : not required.
3		GS150 Essentials of Geology or LS150 Essentials of Biolog	<u>Biological &amp; Physical Science</u> : LS151 Organismic Biology. <u>Kinesiology &amp; Physical Education</u> : LS321 Anatomy & LS322 Physiology.
1		GS150 Essentials of Geology Lab or LS150 Essentials of Biology Lab	<u>Biological &amp; Physical Science</u> : LS151 Organismic Biology. <u>Kinesiology &amp; Physical Education</u> : LS321 Anatomy & LS322 Physiology.
3		H211 Essentials of World History I	<u>ALL</u> : Pass World History Competency Exam & 3 units of Upper Division History.
3		H212 Essentials of World History II	<u>BM Music</u> : H211 or H212. <u>ALL</u> : Both req. for Single Subject Teaching Credential.
3		H230 Essentials of U.S. History	n/a
3		MA240 Critical Thinking & Quantitative Analysis	<u>Business Administration</u> & <u>Marketing Media</u> : BUS310 Statistics for Business. <u>Computer Science</u> : not required. <u>ALL</u> : MA101 Algebra & MA102 Trigonometry, or MA121 Calculus, or MA260 Statistics.
3		MU190 Essentials of Music & Art	<u>Biblical Studies</u> : BMN333/MU333 Worship & Songs of the Church. <u>Music</u> : MU295 Music & Art for Musicians. <u>ALL</u> : ART338 Art History of the Western World.
3		P311 Essentials of Philosophy	<u>English Ed.</u> , <u>History Ed.</u> , <u>Liberal Studies/Teacher Ed.</u> , <u>Life Sciences Ed.</u> , <u>Mathematics Ed.</u> , <u>Music Ed.</u> : P321 History and Philosophies of Education. <u>Music Production</u> : BCW367 Ethics. <u>Biblical Studies</u> : BCW363 Apologetics. <u>Business Administration</u> & <u>Marketing Media</u> : BUS330 Ethics.
3		POL220 U.S. Government	U.S. citizens (regardless of current country of residence) and resident aliens are NOT exempt from the POL220 requirement.
40	Total	<i>(37 for Computer Science majors, 28 for BM Music majors.)</i>	

Students are responsible for managing their own progress towards graduation. Faculty advisors are available to assist; however, given the fluidity of student progress, all students will ultimately assume responsibility for their graduation progress. This checklist does not replace the Academic Catalog.

**MAJOR: MATHEMATICS CORE COURSES**

Units Term

3		CS121P Introduction to Computer Programming
3		MA121 Calculus I
3		MA122 Calculus II
3		MA221 Calculus III
3		MA231 Linear Algebra

Units Term

3		MA282 Ordinary Differential Equations
3		MA302 Introduction to Mathematical Proof
2		MA400 Mathematics Seminar
1		MA412 Integrated Review

24 Total

**EMPHASIS: APPLIED MATHEMATICS**

Units Term

2		MA222 Calculus IV
3		MA253 Discrete Mathematics
3		MA365 Probability
3		MA366 Mathematical Statistics
3		MA383 Complex Analysis
3		MA425 Mathematical Modeling
3		MA463 Numerical Analysis
3		MA482 Topics in Mathematics
3		Upper Division Math Elective

50 Total (including Core courses)

**EMPHASIS: PURE MATHEMATICS**

Units Term

2		MA222 Calculus IV
3		MA344 Modern Geometry
3		MA355 Number Theory/History of Mathematics
3		MA383 Complex Analysis
3		MA453 Abstract Algebra I
3		MA482 Topics in Mathematics
9		Upper Division Math Electives

50 Total (including Core courses)

**EMPHASIS: MATHEMATICS EDUCATION**

Units Term

3		MA253 Discrete Mathematics
3		MA260 Elementary Statistics
3		MA344 Modern Geometry
3		MA355 Number Theory/History of Mathematics
3		MA425 Mathematical Modeling
3		MA453 Abstract Algebra I
3		P321 History and Philosophies of Education*
3		Upper Division Math Elective

48 Total (including Core courses)

*\*Pre-req. for teaching credential program. Fulfills G.E. requirement for P311.*

**EMPHASIS: PRE-ENGINEERING**

Units Term

1		MA111 Introduction to Engineering
2		MA222 Calculus IV
3		MA425 Mathematical Modeling
3		MA463 Numerical Analysis
4		PS251 General Physics I
4		PS252 General Physics II

Choose three of the following:

3		MA365 Probability
3		MA383 Complex Analysis
3		MA366 Mathematical Statistics
3		MA482 Topics in Mathematics

50 Total (including Core courses)