



### 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 transferring with  $\geq 61$  total units may need to satisfy fewer than 7 Bible G.E. courses as evaluated and confirmed by the Registrar's Office prior to the start of the student's first undergraduate semester. All other students must satisfy all 7 Bible G.E.*

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> : BMN312 Message Prep for Women, or BMN370 Sermon Prep & Delivery. <u>Business Administration, Entrepreneurship, Marketing Media, &amp; Sport Management</u> : MGT330 Business Communication. <u>BM Music</u> : not required.
3		E110 English Composition	3+ score AP Language & Composition Exam 3+ score AP Literature & Composition Exam 31+ score ACT: English Section 10+ score WriterPlacer exam from Collegeboard 5+ score Criterion Online Writing Evaluation Service from ETS 700+ score SAT 1: Evidence-Based Reading & Writing section
3		ECN200 Essentials of Economics & Society	<u>BM Music</u> : not required.
3		H211 Essentials of World History I	<u>ALL</u> : Pass World History Competency Exam & 3 units of Upper Division History units.
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		Literature Elective	Does not include: E330, E353, E364, E435, E436, E491A, E491B. <u>BM Music</u> : not required.
3		Literature Survey	E200 Great Works of Literature Survey, 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		LS150 Essentials of Biology or GS150 Essentials of Geology	<u>Biological &amp; Physical Science</u> : LS151 Organismic Biology. <u>Kinesiology</u> : LS321 Anatomy & LS322 Physiology.
1		LS150L Essentials of Biology Lab or GS150L Essentials of Geology Lab	<u>Biological &amp; Physical Science</u> : LS151L Organismic Biology Lab. <u>Kinesiology</u> : LS321L Anatomy Lab & LS322L Physiology Lab.
3		MA240 Critical Thinking & Quantitative Analysis	<u>Business Administration, Entrepreneurship, Marketing Media, &amp; Sport Management</u> : BUS310 Statistics for Business. <u>Computer Science, Engineering, &amp; Mathematics</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., History Ed., Liberal Studies/Teacher Ed., Life Sciences Ed., Mathematics Ed., Music Ed.</u> : P321 History and Philosophies of Education. <u>Music Production</u> : BCW367 Ethics. <u>Biblical Studies</u> : BCW363 Apologetics. <u>Business Administration, Entrepreneurship, Marketing Media, &amp; Sport Management</u> : BUS330 Ethics.
3		POL220 U.S. Government	Only waived for non-U.S. citizens (regardless of current country of residence) and non-resident aliens.
40	Total	(37 for Computer Science, Engineering & Mathematics majors, 28 for BM Music majors.)	

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.

### ENGINEERING CORE COURSES

Units Term

4		CH151 General Chemistry I*
3		CS121P Introduction to Computer Programming
3		MA121 Calculus I
3		MA122 Calculus II
3		MA221 Calculus III

Units Term

3		MA231 Linear Algebra
3		MA253 Discrete Mathematics
3		MA282 Ordinary Differential Equations
3		MA365 Probability
4		PS251 General Physics I*

32 Total \*with corresponding lab.

### MAJOR: COMPUTER ENGINEERING

Units Term

3		CS132S Data Structures & Algorithms
3		CS202H Computer Hardware
3		CS301A Computer Organization & Architecture
3		CS321O Operating Systems
3		ECE201C Analog Circuits
1		ECE201CL Analog Circuits Lab
3		ECE201D Digital System Design
1		ECE201DL Digital Design Lab
3		ECE301D Digital Signal Processing
2		ECE301DL DSP Lab

Units Term

3		ECE301S Semiconductors
3		ECE302C Microelectronics
2		ECE302CL Microelectronics Lab
3		ECE312S Signals and Systems
3		ECE492S Senior Design Project

Choose 3 units of the following:

3		ECS Upper Division Electives
		General Upper Division Electives*

74 Total (including Core courses)

\*With approval.

### MAJOR: ELECTRICAL ENGINEERING

Units Term

3		CS132S Data Structures & Algorithms
3		CS202H Computer Hardware
3		ECE201C Analog Circuits
1		ECE201CL Analog Circuits Lab
3		ECE201D Digital System Design
1		ECE201DL Digital Design Lab
3		ECE301D Digital Signal Processing
2		ECE301DL DSP Lab
3		ECE301S Semiconductors
3		ECE302C Microelectronics

Units Term

2		ECE302CL Microelectronics Lab
3		ECE312E Electromagnetics
3		ECE312S Signals and Systems
3		ECE411C Communication Systems
3		ECE492S Senior Design Project

Choose 3 units of the following:

3		ECS Upper Division Electives
		General Upper Division Electives*

74 Total (including Core courses)

\*With approval.

### MAJOR: MECHANICAL ENGINEERING

Units Term

3		ECE201C Analog Circuits
1		ECE201CL Analog Circuits Lab
3		ME201S Statics & Mechanics of Materials
1		ME201SL Statics Lab
3		ME211C CAD & SolidWorks
1		ME211CL CAD Lab
3		ME302D Dynamics
1		ME302DL Dynamics Lab
3		ME301F Fluid Mechanics
3		ME302K Kinematics & Robotics
1		ME302KL Kinematics Lab

Units Term

3		ME311T Thermodynamics
3		ME312H Heat Transfer
3		ME321M Machine Design
3		ME322D Design & Manufacturing
2		ME322DL Manufacturing Lab
3		ME492S Senior Design Project

Choose 3 units of the following:

3		ECS Upper Division Electives
		General Upper Division Electives*

74 Total (including Core courses)

\*With approval.