



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 ≥ 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 | Course |
|-------|------|--------------------------------------|
| 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 | Course |
|-------|-------|--|
| 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, & 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 & 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 & 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, & Sport Management</u> : BUS310 Statistics for Business. <u>Computer Science, Engineering, & 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, & 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 | <i>(37 for Computer Science, Engineering & Mathematics 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: COMPUTER SCIENCE

Units Term

| | | |
|---|--|---|
| 3 | | CS121P Introduction to Computer Programming |
| 3 | | CS122J JavaScript Essentials |
| 3 | | CS132S Data Structures & Algorithms |
| 3 | | CS202H Computer Hardware |
| 3 | | CS301A Computer Organization & Architecture |
| 3 | | CS312N Networking Principles & Architecture |
| 3 | | CS321O Operating Systems |
| 3 | | CS321P Programming Languages & Theory |
| 3 | | CS322A Algorithms & Complexity |
| 3 | | CS322E Software Engineering |
| 3 | | CS342D Database Management Systems |
| 3 | | CS351S Computer Security |

Units Term

| | | |
|---|--|-----------------------------|
| 2 | | CS490I Internship |
| 3 | | CS492S Senior Seminar |
| 3 | | MA121 Calculus I |
| 3 | | MA122 Calculus II |
| 3 | | MA231 Linear Algebra |
| 3 | | MA253 Discrete Mathematics |
| 3 | | MA260 Elementary Statistics |

3 units of the following:

| | | |
|---|--|-----------------------------|
| 3 | | CH151 General Chemistry I |
| 3 | | GS150 Essentials of Geology |
| 3 | | LS150 Essentials of Biology |
| 3 | | PS251 General Physics I |

59 Total

EMPHASIS: ARTIFICIAL INTELLIGENCE

Units Term

| | | |
|---|--|------------------------------------|
| 3 | | CS361A Artificial Intelligence |
| 3 | | CS361M Machine Learning |
| 3 | | CS362N Natural Language Processing |
| 3 | | CS362V Computer Vision |

71 Total (including Core courses)

EMPHASIS: INFORMATION SYSTEMS

Units Term

| | | |
|---|--|---|
| 3 | | ACC210 Accounting Fundamentals I |
| 3 | | MGT310 Management Theory |
| 3 | | CS311C Cloud Administration |
| 3 | | CS392M Project Management & Enterprise Software |

71 Total (including Core courses)

EMPHASIS: COMPUTING SYSTEMS

Units Term

| | | |
|---|--|--------------------------------------|
| 3 | | CS322X Linux |
| 3 | | CS341W Web Application Development |
| 3 | | CS428C Systems Programming and C/C++ |
| 3 | | CS428J Java Programming |

71 Total (including Core courses)

MINOR: COMPUTER SCIENCE

Units Term

| | | |
|---|--|---|
| 3 | | CS121P Introduction to Computer Programming |
| 3 | | CS132S Data Structures & Algorithms |
| 3 | | CS202H Computer Hardware |
| 3 | | CS301A Computer Organization & Architecture |
| 3 | | CS312N Networking Principles & Architecture |
| 3 | | CS321O Operating Systems |
| 3 | | CS321P Programming Languages & Theory |
| 3 | | CS322E Software Engineering |
| 3 | | CS342D Database Management Systems |

27 Total (including Core courses)