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TMU Graduation Requirements

Complete a minimum of 121 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	I erm	
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	i erm	
3		B202 New Testament Survey II
3		BTH321 Christian Theology I
3		BTH322 Christian Theology II
21	Total	*Or Non-Biblical Studies: IBEX300 with approval

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

Units	Term	Course	Substitution
			Biblical Studies: BMN312 Message Preparation for Women, or BMN371 Sermon Preparation.
3		C100 Spoken Communication	Business Administration, Entrepreneurship, Marketing Media, & Sport Management: MGT330
		C100 Spoken Communication	Business Communication.
			BM Music: not required.
			31+ score ACT: English Section
			3+ score AP Language & Composition Exam
3		E110 English Composition	3+ score AP Literature & Composition Exam
		Ello English Composition	5+ score Criterion Online Writing Evaluation Service from ETS
			700+ score SAT 1: Evidence-Based Reading & Writing section
			10+ score WriterPlacer exam from Collegeboard
3		ECN200 Essentials of Economics & Society	BM Music: not required.
3		H211 Essentials of World History I	ALL: Pass World History Competency Exam & 3 units of Upper Division History units.
3		H212 Essentials of World History II BM Music: H211 or H212. Single Subject Teaching Credential: both H211 & H212.	
3	H230 Essentials of U.S. History		n/a
3		Literature Elective	Does not include: E330, E322, E353, E364, E435, E436, E491A, E491B. <u>BM Music</u> : not required.
	Literature Survey		E200 Great Works of Literature Survey, E211 English Literature I,
3		Literature Survey	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		<u>Biological & Physical Science</u> : LS151 Organismic Biology, LS151L Organismic Biology Lab.
		or GS150 Essentials of Geology	Engineering: CH151 General Chemistry I, CH151L General Chemistry I Lab.
1	LS150L Essentials of Biology Lab		Kinesiology: LS151 Organismic Biology, LS151L Organismic Biology Lab.
		or GS150L Essentials of Geology Lab	
			Business Administration, Entrepreneurship, Marketing Media, & Sport Management: BUS310
		MA240 Critical Thinking & Quantitative	Statistics for Business.
3		Analysis	Computer Science, Engineering, & Mathematics: not required.
			ALL: MA101 College Algebra & MA102 Trigonometry, or MA121 Calculus, or MA260
			Elementary Statistics.
3		MU190 Essentials of Music & Art	ALL: ART338 Art History of the Western World. Biblical Studies: BMN333/MU333 Worship &
			Songs of the Church. Music: MU295 Music & Art for Musicians.
			Biblical Studies: BCW363 Apologetics. Music Production: BCW367 Ethics.
3		P311 Essentials of Philosophy	Business Administration, Entrepreneurship, Marketing Media, & Sport Management: BUS330
			Business Ethics.
			English Ed., History Ed., Liberal Studies/Elementary Ed., Liberal Studies/Special Ed.,
			<u>Life Sciences Ed.</u> , <u>Mathematics Ed.</u> , <u>Music Ed.</u> : P321 History and Philosophies of Education.
3		POL220 U.S. Government	Only waived for non-U.S. citizens and non-resident aliens. U.S. Citizens (regardless of current
			country of residence) and resident aliens are NOT exempt.

40 Total (37 for Computer Science, Engineering & Mathematics majors, 28 for BM Music majors.)

2025-2026 Academic Catalog

MAJOR: BIOLOGY CORE COURSES

Units Term		
4		CH151 General Chemistry I*
4		CH152 General Chemistry II*
4		CH351 Organic Chemistry I*
4		LS151 Organismic Biology*
1		LS220 Research Methods
4		LS252 Cell Biology*
4		LS342 Genetics and Genomics*
3		LS372 Origins

Units	Term	
1		LS420 Seminar in Biology
1		LS422 Senior Capstone
3		MA260 Elementary Statistics
4		PS251 General Physics I* or
4		PS211 College Physics*
4		PS252 General Physics II* or
4		PS212 College Physics II*
41	Total	*With corresponding lab.

EMPHASIS: ANIMAL SCIENCE/PRE-VETERINARY

Units Term		
4		LS241 Ecology and Environmental Science*
4		or LS341 Ecology*
4		LS312 Animal Physiology*
4		CH352 Organic Chemistry II*

I I units of the following:

Traine of the following.		
4	CH461 Biod	chemistry*
3	CS348S Dat	ta Science for Scientists
5	and Engin	eers
4	LS302 Com	parative Anatomy*
4	LS318 Cons	servation Biology & Sustainability*
4	LS331 Deve	elopmental Biology*
4	LS346 Mari	ne Biology*
3-4	LS348 Biolo	ogical Field Studies**
4	LS355 Para	sitology*
4	LS361 Imm	unology*
4	LS362 Med	ical Microbiology*
4	LS375 Vert	ebrate Paleontology*
4	LS381 Neur	robiology*
4	LS388 Mat	nematical Ecology*
1-4	LS428 Rese	arch in Biology

⁶⁴ Total (including Core courses).

EMPHASIS: CELLULAR & MOLECULAR BIOLOGY

	Units	Term	
I	4		CH352 Organic Chemistry II*
I	4		CH461 Biochemistry*
	4		LS351 Molecular Genetics*

I I units of the following:

3	CS348S Data Science for Scientists
3	and Engineers
4	LS331 Developmental Biology*
4	LS355 Parasitology*
4	LS361 Immunology*
4	LS362 Medical Microbiology*
4	LS381 Neurobiology*
4	LS388 Mathematical Ecology*
1-4	LS428 Research in Biology

⁶⁴ Total (including Core courses).

EMPHASIS: LIFE SCIENCES EDUCATION

Units Term		
14		Biology, Chemistry, & Geology electives
3		ED202 Curriculum Instruction & Learning Theory* or
3		ED301 Cultural & Linguistic Diversity in Teaching*
3		ED400 Foundations of Education* (Or ED101, ED202, and ED301)
3		P321 History & Philosophies of Education*, **

⁶⁴ Total (including Core courses).

^{*}With corresponding lab.

^{**}Can be repeated for credit.

^{*}With corresponding lab.

^{*}Teaching Credential pre-req., requires B- or better.

^{**}Fulfills G.E. requirement for P311.

2025-2026 Academic Catalog

MAJOR: BIOLOGY CORE COURSES

Units	Term	
4		CH151 General Chemistry I*
4		CH152 General Chemistry II*
4		CH351 Organic Chemistry I*
4		LS151 Organismic Biology*
1		LS220 Research Methods
4		LS252 Cell Biology*
4		LS342 Genetics and Genomics*
3		LS372 Origins

Units	Units Term				
1		LS420 Seminar in Biology			
1		LS422 Senior Capstone			
3		MA260 Elementary Statistics			
4		PS251 General Physics I* or			
4		PS211 College Physics*			
4		PS252 General Physics II* or			
4		PS212 College Physics II*			
41	Total	*With corresponding lab.			

EMPHASIS: ENVIRONMENTAL BIOLOGY

Units Term

4	LS241 Ecology and Environmental Science*
4	or LS341 Ecology*
4	LS318 Conservation Biology & Sustainability*
4	GS452 Environmental Geoscience*

II units of the following:

4	CH352 Organic Chemistry II*
3	CS348S Data Science for Scientists
3	and Engineers
4	GS150 Essentials of Geology*
4	GS252 Historical Geology*
4	GS321 Mineralogy*
4	LS302 Comparative Anatomy*
4	LS312 Animal Physiology*
4	LS346 Marine Biology*
4	LS348 Biological Field Studies**
4	LS355 Parasitology*
4	LS362 Medical Microbiology*
4	LS375 Vertebrate Paleontology*
1-4	LS428 Research in Biology

⁶⁴ Total (including Core courses).

EMPHASIS: **PRE-ALLIED HEALTH**EMPHASIS: **PRE-DENTISTRY**EMPHASIS: **PRE-MEDICINE**

	Units Term		
4		LS241 Ecology and Environmental Science*	
	4		or LS341 Ecology*
	4		CH352 Organic Chemistry II*
	4		CH461 Biochemistry*

I I units of the following:

	1
3	CS348S Data Science for Scientists
3	and Engineers
2	KIN321D Special Topics: Pathophysiology
4	LS302 Comparative Anatomy*
4	LS321 Human Anatomy*
4	LS322 Human Physiology*
4	LS331 Developmental Biology*
4	LS351 Molecular Genetics*
4	LS352 Medical Physiology*
4	LS355 Parasitology*
4	LS361 Immunology*
4	LS362 Medical Microbiology*
4	LS381 Neurobiology*
1-4	LS428 Research in Biology
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⁶⁴ Total (including Core courses).

^{*}With corresponding lab.

^{**}Can be repeated for credit.

^{*}With corresponding lab.

2025-2026 Academic Catalog

MAJOR: BIOLOGY CORE COURSES

Units	Term	
4		CH151 General Chemistry I*
4		CH152 General Chemistry II*
4		CH351 Organic Chemistry I*
4		LS151 Organismic Biology*
1		LS220 Research Methods
4		LS252 Cell Biology*
4		LS342 Genetics and Genomics*
3		LS372 Origins

	Units Term			
	1		LS420 Seminar in Biology	
I	1		LS422 Senior Capstone	
Ī	3		MA260 Elementary Statistics	
Ī	1		PS251 General Physics I* or	
	4		PS211 College Physics*	
Ī	1		PS252 General Physics II* or	
	4		PS212 College Physics II*	
-	41	Total	*With corresponding lab.	

EMPHASIS:	PRE-N	URSING
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Units	Term
4	LS321 Human Anatomy*
4	LS322 Human Physiology*
4	LS362 Medical Microbiology*
11 units	of the following:
3	
4	CH352 Organic Chemistry II*
4	CH461 Biochemistry II*
1	KIN321C Special Topics: Medical Ethics
2	KIN321D Special Topics: Pathophysiology
2	LC221/DE202 Human Growth & Dovolonment

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4	CH352 Organic Chemistry II*
4	CH461 Biochemistry II*
1	KIN321C Special Topics: Medical Ethics
2	KIN321D Special Topics: Pathophysiology
3	LS231/BE302 Human Growth & Development
4	LS331 Developmental Biology*
4	LS352 Medical Physiology*
4	LS361 Immunology*
4	LS381 Neurobiology*
1-4	LS428 Research in Biology
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⁶⁴ Total (including Core courses).

EMPHASIS: PALEONTOLOGY/NATURAL HISTORY

Į	Units Term			
	4		GS150 Essentials of Geology*, **	
	4		LS375 Vertebrate Paleontology*	
Γ	1		LS241 Ecology and Environmental Science*	
L	7		or LS341 Ecology*	

I I units of the following:

4	CH352 Organic Chemistry II*
3	CS348S Data Science for Scientists
3	and Engineers
4	GS252 Historical Geology*
4	GS321 Mineralogy*
4	GS322 Petrology*
4	GS472 Sedimentology & Stratigraphy*
4	LS302 Comparative Anatomy*
3	LS307 Biology of Dinosaurs
3	LS346 Marine Biology
1-4	LS428 Research in Biology

⁶⁴ Total (including Core courses).

^{*}With corresponding lab.

^{*}With corresponding lab.

^{**}Fulfills G.E. requirement