(((((5)3)3)	THE MASTER'S UNIVERSITY DEGREE AUDIT CHECKLIST 2021-2022 ACADEMIC CATALOG	
1927	DEGREE AUDIT CHECKLIST 2021-2022 ACADEMIC CATALOG	

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# 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 (cummulative) 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 Transfer students: Students who transfer with 24 or more units are required to take 1 Bible Gen Ed. per semester of enrollment at TMU. Units Term All other students must complete all Bible Gen Ed. Units Term **B121** Essentials of Christian Thought 3 3 B202 New Testament Survey II 3 B101 Old Testament Survey I 3 BTH321 Christian Theology I B102 Old Testament Survey II\* 3 3 BTH322 Christian Theology II 3 B201 New Testament Survey I\* 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		
3		C100 Spoken Communication**	Or <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> waived.
3 E110 English Composition**		E110 English Composition**	Or 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), or 5+ score (Criterion Online Writing Evaluation Service from ETS).
3		E General Literature Elective*	Does not include: E322, E332 & E353. BM Music: waived.
3		Essentials of Literature*	E211 English Literature I, E212 English Literature II, E221 World Literature I, E222 World Literature II, E231 American Literature II.
3		ECN200 Essentials of Economics & Society	n/a
3		GS150 Essentials of Geology*  or LS150 Essentials of Biology*	Or <u>Biological Science</u> : LS151 Organismic Biology. <u>Kinesiology</u> : LS321 Anatomy & LS322 Physiology.
1	GS150 Essentials of Geology Lah**		Or <u>Biological Science</u> : LS151 Organismic Biology Lab. <u>Kinesiology</u> : LS321 Anatomy Lab & LS322 Physiology Lab.
3	3 H211 Essentials of World History I*		Or Pass World History Competency Exam & 3 units of Upper Division History. <u>BM Music</u> : H211 or H212. Students pursuing Single Subject Teaching Credential required to take both.
3	1	H230 Essentials of U.S. History*	n/a
3		MA240 Critical Thinking & Quantitative Analysis**	Or <u>Business Administration</u> & <u>Marketing Media:</u> BUS310 Statistics for Business. <u>Computer Science:</u> waived. <u>Liberal Studies/Teacher Ed.</u> : MA201, MA202 Math for Elementary School Teachers. <u>ALL:</u> MA101 Algebra & Trigonometry, MA121 Calculus or MA260 Statistics.
3		MU190 Essentials of Music & Art*	Or <u>Biblical Studies:</u> MU333/BMN333 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*	Or <u>English Ed.</u> , <u>History Ed.</u> , <u>Liberal Studies/Teacher Ed.</u> , <u>Music Ed.</u> , <u>Mathematics Ed.</u> , <u>Life Sciences Ed.</u> : P321 History and Philosophies of Education. <u>Music Production:</u> BCW367 Ethics. <u>Business Administration</u> & <u>Marketing Media:</u> BUS330 Ethics. <u>Biblical Studies:</u> BCW363 Apologetics.
3		POL220 U.S. Government**	Waived for non-U.S. citizens and non-resident aliens.

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

## 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*,**
4		PS252 General Physics II*, ***

41 Total

Units

4

Term

### EMPHASIS: ANIMAL SCIENCE/PRE-VETERINARY

Units	Term	
4		CH352 Organic Chemistry II*
4		LS241 Ecology and Environmental Science*
4		LS312 Animal Physiology*
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Three of	ne following:
4	CH461 Biochemistry*
4	LS302 Comparative Anatomy*
4	LS318 Conservation Biology & Sustainability*
4	LS331 Developmental Biology*
4	LS341 Ecology*
4	LS346 Marine Biology*
3-4	LS348 Bio. Field Studies**
4	LS355 Parasitology*
4	LS361 Immunology*
4	LS362 Medical Microbiology*
4	LS375 Vertebrate Paleontology*
4	LS388 Mathematical Ecology*
4	LS398 Plant Science*
1-4	LS428 Research in Biology
3	MA121 Calculus I
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<sup>64</sup> Total (including Core courses).

Units Term

# EMPHASIS: CELLULAR & MOLECULAR BIOLOGY

4	CH352 Organic Chemistry II*
4	CH461 Biochemistry*
4	LS351 Molecular Genetics*
Three of	the following:
4	LS331 Developmental Biology*
4	LS355 Parasitology*
4	LS361 Immunology*
4	LS362 Medical Microbiology*
4	LS388 Mathematical Ecology*
4	LS398 Plant Science*
1-4	LS428 Research in Biology

<sup>64</sup> Total (including Core courses).

MA121 Calculus I

## **EMPHASIS: GENERAL BIOLOGY**

Units	Term	
4		LS241 Ecology and Environmental Science*
19		Upper Division electives: Bio, Chem or Geo

Total (including Core courses).

# EMPHASIS: NATURAL HISTORY/ ENVIRONMENTAL BIOLOGY

4	LS318 Conservation Biology & Sustainability*				
Three of t	Three of the following:				
4	CH352 Organic Chemistry II*				
4	GS151 Historical Geology*				
4	GS251 Mineralogy*				
4	LS302 Comparative Geoscience*				
4	LS312 Animal Physiology*				
4	LS341 Ecology*				
4	LS346 Marine Biology*				
4	LS348 Bio. Field Studies**				
4	LS355 Parasitology*				
4	LS362 Medical Microbiology*				
4	LS375 Vertebrate Paleontology*				
4	LS388 Mathematical Ecology*				
1-4	LS428 Research in Biology				

GS452 Environmental Geoscience\*

LS241 Ecology and Environmental Science\*

74 Total (including Core courses).

<sup>\*</sup>With corresponding lab.

<sup>\*\*</sup>Optional substitute: PS211 College Physics I

<sup>\*\*\*</sup>Optional substitute: PS212 College Physics II

<sup>\*</sup>With corresponding lab.

<sup>\*\*</sup>Can be repeated for credit.

<sup>\*</sup>With corresponding lab.

<sup>\*</sup>With corresponding lab.

<sup>\*</sup>With corresponding lab.

<sup>\*\*</sup>Can be repeated for credit.

## 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*,**
4		PS252 General Physics II*, ***

41 Total \*With corresponding lab.

## **EMPHASIS: PALEONTOLOGY**

Units	Term	
4		GS150 Essentials of Geology*, **
4		LS241 Ecology and Environmental Science*
4		LS375 Vertebrate Paleontology*
Three of	the following:	

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4	CH352 Organic Chemistry II*
4	GS151 Historical Geology*
4	GS472 Sedimentology & Stratigraphy*
4	LS302 Comparative Anatomy*
3	LS307 Biology of Dinosaurs
4	LS341 Ecology*
3	LS346 Marine Biology
4	LS398 Plant Science*
1-4	LS428 Research in Biology
3	MA121 Calculus I

64 Total (including Core courses).

\*With corresponding lab.

<sup>\*\*</sup>Fulfills G.E. requirement

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

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

### Three of the following:

4	LS321 Human Anatomy*
4	LS322 Human Physiology*
4	LS331 Developmental Biology*
4	LS341 Ecology*
4	LS351 Molecular Genetics*
4	LS352 Medical Physiology*
4	LS355 Parasitology*
4	LS361 Immunology
4	LS362 Medical Microbiology*
4	LS398 Plant Science*
1-4	LS428 Research in Biology
3	MA121 Calculus I

<sup>64</sup> Total (including Core courses).

## EMPHASIS: PRE-NURSING

Units	Term	
4		LS321 Human Anatomy*
4		LS322 Human Physiology*
4		LS362 Medical Microbiology*

### Three of the following:

4	CH352 Organic Chemistry II*
4	CH461 Biochemistry II*
3	LS231 Human Growth & Development Or
3	BE231 Human Growth and Development
4	LS331 Developmental Biology*
4	LS352 Medical Physiology*
4	LS361 Immunology*
1-4	LS428 Research in Biology
3	MA121 Calculus I

64 Total (including Core courses).

## **EMPHASIS: TEACHER EDUCATION IN LIFE SCIENCES**

Units	Term	
3		ED400 Foundations of Education* (Or
		ED101, ED202, <u>and</u> ED301)
3		P321 History & Philosophies of Education*, **
14		Upper Division electives: Bio, Chem or Geo
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One of the following

3	ED202 Curriculum Instruction & Learning Theory*
14	ED301 Cultural & Linguistic Diversity in Teaching*

\*Teaching Credential pre-req., requires B- or better.

<sup>\*\*</sup>Optional substitute: PS211 College Physics I

<sup>\*\*\*</sup>Optional substitute: PS212 College Physics II

<sup>\*</sup>With corresponding lab.

<sup>\*</sup>With corresponding lab.

<sup>\*\*</sup>Fulfills G.E. requirement