



Name: \_\_\_\_\_

Emphasis: \_\_\_\_\_

**School of Science, Mathematics, Technology & Health**

*Department of Computer & Information Sciences*

B.S. in Computer & Information Sciences Academic Tracking Sheet

New G.E. Requirements (Catalog Years beginning Fall 2018)

All CIS Majors must complete the CIS Core Courses and the Emphasis Courses from a CIS Emphasis.

<b><i>CIS Core Courses</i></b>		
<b>Units</b>	<b>Term</b>	
3		CS111 Intro. to Computer Programming
1		CS111L Computer Programming Lab
3		CS122 Web Design & Programming
3		CS211 Data Structures
1		CS211L Data Structures Lab
3		CS212 Computer Hardware
3		CS301 Computer App. Development
3		CS302 Software Development
3		CS321 Operation Systems
3		CS322 Networking Principles
<b>26</b>		

<b><i>General Education</i></b>		
<b>Units</b>	<b>Term</b>	
3		C100 Spoken Communication
3		E110 English Composition
3		ECN200 Essentials of Econ. & Society
3		H211 Essentials of World History I
3		H212 Essentials of World History II
3		H230 Essentials of U.S. History
3		LS150 Essentials of Biology
		or GS150 Essentials of Geology
1		LS150L Essentials of Biology Lab
		or GS150 Essentials of Geology Lab
3		MU190 Essentials of Music & Art
3		P311 Essentials of Philosophy
3		POL220 U.S. Government
3		Literature Survey (Choose one below*)
3		Literature Elective (Choose one below**)
<b>37</b>		

<b><i>Biblical Studies</i></b>		
<b>Units</b>	<b>Term</b>	
3		B121 Essentials of Christian Thought
3		B101 Old Testament Survey I
3		B102 Old Testament Survey II
3		B201 New Testament Survey I
3		B202 New Testament Survey II
3		BTH321 Christian Theology I
3		BTH322 Christian Theology II
<b>21</b>		

<b><i>General Electives</i></b>		
<b>Units</b>	<b>Term</b>	

<b>*Literature Survey Courses</b>
E211/E212 English Literature I or II
E211/E222 World Literature I or II
E231/E232 American Literature I or II

<b>**Literature Elective Courses</b>	
E313 Age of Romanticism	E405 Shakespeare
E314 Victorian Age	E406 Milton
E334 The Short Story	E415 Contemporary Literature
E335 The English Novel	E416 Modern British Writers
E374 Studies in Jane Austen	E425 20 <sup>th</sup> Century American Literature
E404 Studies in John Calvin	E453 Psychoanalytic Criticism

## Emphasis Courses

<u>Computer Science</u>		
Units	Term	
3		CS311 Computer Org. & Architecture
3		CS332 Programming Languages & Sys.
3		CS402 Computer Algorithms
3		CS492 Computer Science Senior Seminar
3		MA121 Calculus I
3		MA122 Calculus II
3		MA253 Discrete Mathematics
3		Upper Division CIS Elective
3		Upper Division CIS Elective
<b>27</b>	<i>Total units required for emphasis</i>	

<u>Information Systems</u>		
Units	Term	
3		ACC210 Accounting Fundamentals
3		MGT310 Management Theory
3		MIS432 Database Management Systems
3		MIS441 Web Site Administration
3		MIS478 IS Internship
3		MIS492 IS Senior Seminar
3		Upper Division CIS Elective
3		Upper Division CIS Elective
3		Upper Division CIS Elective
<b>27</b>	<i>Total units required for emphasis</i>	

### **TMU Graduation Requirements (from the catalog):**

The Master's University grants bachelor's degrees (i.e. Bachelor of Arts, Bachelor of Music, and Bachelor of Science) to students who satisfy the graduation requirements described below.

1. Complete a minimum of 122 semester units of credit.
2. Complete a minimum of 40 semester units in upper division courses.
3. Satisfy all General Education requirements.
4. Complete the required curriculum for the chosen major field(s) of study.
5. Maintain a minimum GPA of 2.00 (cumulative) in all TMU courses. *(Some majors have different GPA requirements. Please see your department for details.)*
6. Complete a minimum of 32 semester units of non-Directed Studies coursework at TMU or 32 semester units of TMU Degree Completion Program major courses.
7. Complete at least 12 of the final 24 semester units at TMU.

*All students must be aware that they undertake complete responsibility for managing their progress toward graduation. Faculty advisors will attempt to assist in this process; however, given the fluidity of student progress, each student must ultimately assume responsibility for completing all graduation requirements. This checklist is designed as an aid to help students manage their progress, but it does NOT replace the Academic Catalog. In any case where this checklist contradicts the catalog, the catalog issued during the student's first semester at TMU shall be considered the official degree criteria.*

