

Major: MATHEMATICAL SCIENCES
 Concentration: APPLIED MATH (MAAP)
Johnson model – Torrey chart
 B.A. Degree (130 units required for graduation)



General Education	Bible/Theology	Major / Concentration
Behavioral Science YMDT 102 – meets behavioral science Communication YMDT 102 – meets COMM 100 English YMDT 101 – meets ENGL 112 YMDT 101 – meets ENGL 113 Fine Arts YMDT 102 – meets ARTS 100 History YMDT 201 – meets HIST 107 YMDT 303 – meets HIST 207/208 Literature YMDT 201 – meets ENGL 230 Philosophy YMDT 303 – meets PHIL 214	YMDT 304 On Learning & Knowledge..... meets BBST 105 YMDT 101 On Origins meets BBST 109 YMDT 202 On Knowing God..... meets BBST 110, 251 YMDT 401 On History & Rhetoric meets BBST 306 YMDT 304 On Learning & Knowledge..... meets BBST 254 YMDT 401 On History & Rhetoric meets BBST Elective YMDT 402 The Future..... meets BBST 465 (30 units maximum except Bible or Christian Min majors)	MATH 105 Calculus I..... 4 MATH 106 Calculus II..... 4 MATH 112 Discrete Structures..... 3 MATH 205 Calculus III..... 4 MATH 291 Linear Algebra..... 3 MATH 305 Intro to Real Analysis I..... 3 MATH 315 Abstract Algebra I..... 3 MATH 321 Numerical Analysis..... 3 MATH 331 Probability 3 MATH 332 Statistics 3 MATH 333 Operations Research 3 MATH 370 Readings in Mathematics 1,1 MATH 435 Differential Equations or 440 Complex Variables 3 MATH Elective (Upper Division) 3 CSCI 105 Introduction to Computer Science 3 Writing Competency Requirement 0
Foreign Language – 4-6 units required* (based on number of years taken in high school) HUFF (French) 101 HUF5 (Spanish) 101 HUFA (ASL) 101 (Classical lang – 6 units required) BLGR (Greek) 101, 102 BLHE (Hebrew) 101, 102 Physical Education – 4 units required PEED 101, 110, 130, 140, 150 Science – 3 units required ANTH 222, 223; BIOS 100, 103, 110, 112, 120, 130, 290 CHEM 100, 105, 112 PHSC 101, 102, 103, 109, 110, 111/117, 115/119, 132/134, 250	Minor / Support / Electives YMDT 480 Torrey Honors Thesis (optional).....4 General Electives8 _____ _____ _____ _____ _____ _____	Minimum Upper-Division Units24 Total Major Units Required47
<i>First Year Sem (does NOT count toward graduation) (1)</i>		<u>Math/Applied Math Degree Summary (Torrey/Johnson)</u> Torrey Requirements60 Additional G.E. Coursework..... 11 Major Requirements.....47 Support/Electives*12 Total Required for Graduation 130

*If foreign language is fulfilled, additional elective units may be needed.
Foreign Language – 1 yr high school = take 101. 2 yrs high school = none needed.

Suggested Course Schedule

Johnson model – Torrey chart

YEAR	FALL			SPRING				
FRESHMAN	_____	YMDT 101	On Origins	8	_____	YMDT 102	On Desire	8
	_____	CSCI 105	Introduction to Computer Science	3	_____	MATH 106	Calculus II	4
	_____	MATH 105	Calculus I	4	_____	MATH 112	Discrete Structures	3
	_____	P.E. Activity		1	_____	General Elective		2
	_____	GNST 102	First Year Seminar	<u>1</u>	_____	P.E. Activity		<u>1</u>
				17				18
SOPHOMORE	_____	YMDT 201	The City & Man	8	_____	YMDT 202	On Knowing God	8
	_____	MATH 205	Calculus III	4	_____	MATH 305	Intro to Real Analysis I	3
	_____	MATH 291	Linear Algebra	<u>3</u>	_____	Foreign Language / General Elective*		4
				15	_____	P.E. Activity		<u>1</u>
								16
JUNIOR	_____	YMDT 303	On the Cosmos	8	_____	YMDT 304	On Learning & Knowledge	8
	_____	MATH 331	Probability	3	_____	MATH 315	Abstract Algebra I	3
	_____	MATH 370	Readings in Mathematics	1	_____	MATH 332	Statistics	3
	_____	MATH Elective (Upper Division)		3	_____	MATH 370	Readings in Mathematics	1
	_____	Science Requirement		3	_____	MATH 435	Diff Equations or 440 Complex Variables	<u>3</u>
	_____	Writing Competency Requirement		<u>0</u>				18
				18	_____	Graduation Petition due in the Registrar's Office		
SENIOR	_____	YMDT 401	On History & Rhetoric	8	_____	YMDT 402	The Future	4
	_____	MATH 321	Numerical Analysis	3	_____	MATH 333	Operations Research	3
	_____	General Elective		3	_____	P.E. Activity		1
	_____	General Elective		<u>3</u>	_____	YMDT 480 Torrey Honors Thesis (4) – optional for graduation; required for Torrey certificate.		<u>4</u>
				17				12

*If foreign language requirement has been fulfilled, elective credit units may be needed.

NOTE: This schedule is designed with your major department and is one way that the classes will work out properly in sequence for your major. However, there are alternative flexible ways to rotate some of the classes within the same year/level and sometimes between year levels. Please contact your major department advisor to discuss flexible alternatives in scheduling the sequence of your classes.