

Major: PHYSICAL SCIENCE  
 Cocncentration: CHEMISTRY (PHCH)  
 Johnson model – Torrey chart  
 B.S. Degree (130 credits 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 BBST 465 Christianity & Natural Science .....3  (30 credits maximum except Bible or Christian Min majors)	CHEM 105 General Chemistry I w/Lab ..... 4 CHEM 106 General Chemistry II w/Lab..... 4 CHEM 301 Organic Chemistry I..... 3 CEM 302 Organic Chemistry II..... 3 CHEM 311 Lab in Organic Chemistry ..... 1 CHEM 312 Lab in Organic Chemistry ..... 1 CEM 350 Analytical Chemistry w/Lab..... 5 CHEM 402 Physical Chemistry I ..... 3 PHSC 124 Data Analysis & Presentation ..... 1 PHSC 132/134 General Physics I w/Lab ..... 4 PHSC 233/237 General Physics II w/Lab ..... 4 PHSC 234 General Physics III w/Lab ..... 4 PHSC 460 Physical Science Seminar ..... 1 MATH 105 Calculus I..... 4 MATH 106 Calculus II..... 4 Chemistry, Math or Physics*..... 4 Chemistry, Math or Physics (Upper Division) ..... 3 Chemistry, Math or Physics (Upper Division) ..... 3 Chemistry, Math or Physics (Upper Division) ..... 4 Writing Competency Requirement .....0
	<b style="background-color: #e0e0e0;">Minor / Support / Electives</b> YMDT 480 Torrey Honors Thesis (optional).....4 _____ _____ _____ _____ _____ _____ _____	*Three credits of Computer Science may be counted toward the 14 credits of electives.           Minimum Upper-Division Credits .....24 Total Major Credits Required.....60
Foreign Language – 4-6 credits required* (based on number of years taken in high school) HUFF (French) 101 HUFFS (Spanish) 101 HUFA (ASL) 101 (Classical lang – 6 credits required) BLGR (Greek) 101, 102 BLHE (Hebrew) 101, 102 Physical Education – 4 credits required PEED 101, 110, 130, 140, 150		<b style="background-color: #e0e0e0;">Degree Summary</b> Torrey Requirements .....56 Additional G.E./Bible Coursework ..... 11 Major Requirements.....60 Support/Electives* .....4 Total Required for Graduation ..... 131
<i>First Year Sem (does NOT count toward graduation)      (1)</i>		

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

*Johnson model – Torrey chart*

YEAR	FALL				SPRING			
FRESHMAN	_____	YMDT 101	On Origins	8	_____	YMDT 102	On Desire	8
	_____	CHEM 105	General Chemistry I with Lab	4	_____	CHEM 106	General Chemistry II with Lab	4
	_____	MATH 105	Calculus I	4	_____	MATH 106	Calculus II	4
	_____	P.E. Activity		1	_____	PHSC 124	Data Analysis & Presentation	1
	_____	GNST 102	First Year Seminar	1	_____	P.E. Activity		1
				18				18
SOPHOMORE	_____	YMDT 201	The City & Man	8	_____	YMDT 202	On Knowing God	8
	_____	CHEM 301	Organic Chemistry I	3	_____	CHEM 302	Organic Chemistry II	3
	_____	CEM 311	Laboratory in Organic Chemistry	1	_____	CHEM 312	Laboratory in Organic Chemistry	1
	_____	PHSC 132/134	General Physics I with Lab	4	_____	PHSC 233/237	General Physics II with Lab	4
	_____	P.E. Activity		1	_____	P.E. Activity		1
				17	_____	Writing Competency Requirement		0
								17
JUNIOR	_____	YMDT 303	On the Cosmos	8	_____	YMDT 304	On Learning & Knowledge	8
	_____	CHEM 402	Physical Chemistry I	3	_____	Chemistry, Math or Physics Elective**		4
	_____	PHSC 234	General Physics III	4	_____	Chemistry, Math or Physics Elective (Upper Division)**		4
	_____	Chemistry, Math or Physics Elective (Upper Division)**		3				16
				18				
					_____	Graduation Petition due in the Registrar's Office		
SENIOR	_____	YMDT 401	On History & Rhetoric	8	_____	BBST 465	Christianity & Natural Science	3
	_____	CHEM 350	Analytical Chemistry with Lab	5	_____	Chemistry, Math or Physics Elective (Upper Division)**		3
	_____	Foreign Language / General Elective*		4	_____	PHSC 460	Physical Science Seminar	1
				17	_____	YMDT 480 Torrey Honors Thesis (4) – optional for graduation; required for Torrey certificate.		4
								11

\*If foreign language requirement has been fulfilled, elective credits may be needed.

\*\*Chemistry, Math or Physics electives (total 14 credits, of which 9 credits must be upper division). See catalog for electives in area of specialization. Three credits of Computer Science may be used toward the 14 credits of electives.

**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.

