

рера		n/Flogram Major Courses (60-109 Creatis) Required
	Inter	disciplinary Core Courses (68-78 credits):
	(4)	Required Biology Courses (7-8 credits):
	_(4)	BIOL 11000 Fundamentals of Biology (satisfies Science Selective for core)
-	_(4)	BIOL 11100 Fundamental of Biology (satisfies Science Selective for core)
	(2)	OR PIOU 12100 Piplogy I. Divorgity Egglogy and Pohovion (artistics Science Selective for sound)
	_(2)	BIOL 12100 Biology I: Diversity, Ecology, and Behavior (satisfies Science Selective for core)
	_(3)	BIOL 13100 Biology II: Development, Structure, and Function of Organisms (satisfies Science Selective for core)
_	_(2)	BIOL 13500 First Year Biology Laboratory (satisfies Science Selective for core)
		Required Chemistry Courses (5-10 credits):
	(4-5)	CHM 11500 General Chemistry or CHM 12500 Introduction to Chemistry I (satisfies Science Selective for core)
	(4-5)	CHM 11600 General Chemistry or CHM 12600 Introduction to Chemistry II or CHM 13600 General Chemistry
	(4-3)	Honors (satisfies Science Selective for core)
	OR	11011013 (suits)ies science selective for core,
	(5)	CHM 12901 General Chemistry with Biology Focus
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		Required Computer Science Courses (3-4 credits):
	(3-4)	CS 15800 C Programming or CS 15900 Programming Applications for Engineers or CS 17700 Programming With
		Multimedia Objects or CS 18000 Problem Solving and Object-Oriented Programming
	(0)	Required Earth, Atmospheric, and Planetary Science Courses (3 credits):
	(3)	EAPS 10000 Planet Earth or EAPS 10900 The Dynamic Earth or EAPS 11100 Physical Geology or EAPS 22100
		Survey of Atmospheric Science or EAPS 22500 Science of The Atmosphere (Select courses COULD satisfy Science Selective for core)
		Described Market and Pro-Control (0.40 1911)
	(4.5)	Required Mathematics Courses (8-10 credits):
	(4-5)	MA 16100 Plane Analytic Geometry And Calculus I or MA 16500 Analytic Geometry And Calculus I (satisfies
	(4.5)	Quantitative Reasoning for core)
	(4-5)	MA 16200 Plane Analytic Geometry And Calculus II or MA 16600 Analytic Geometry And Calculus II (satisfies
		Quantitative Reasoning for core)
		Required Physics Courses (8 credits):
	_(4)	PHYS 17200 Modern Mechanics (satisfies Science Selective for core)
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	(4)	PHYS 27200 Electric and Magnetic Interactions or PHYS 24100 Electricity and Optics AND PHYS 25200 Electricity and Optics Laboratory (satisfies Science Selective for core)
		and Optics Laboratory (satisfies science selective for core)
		Required Statistics Courses (3 credits):
	(3)	STAT 30100 Elementary Statistical Methods or STAT 35000 Introduction to Statistics or STAT 50300 Statistical
	(5)	Methods For Biology or STAT 51100 Statistical Methods
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	Requ	tired PHYSICS Primary Area Courses (13-14 credits):
_	_(4)	MA 26100 Multivariate Calculus
_	_ (3-4)	PHYS 34200 Modern Physics OR PHYS 34400 Modern Physics
_	_(3)	PHYS Elective at or above 30000 Level
_	_(3)	PHYS Elective at or above 30000 Level
	Requ	tired Supporting Area Courses (18 credits): MUST BE APPROVED BY COLLEGE
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	• , ,	gram Course Requir								
Within Major	·		0, MA 16500 (satisfies Quantitative Reasoning fo	-						
Within Major	Calculus II Option	- Select from MA 1620	00, MA 16600 (satisfies Quantitative Reasoning fo							
(3-4)	(3-4) ENGL 10600 or ENGL 10800 - (satisfies Written Communication and Information Literacy for core)									
(0-4)	(0-4) Language I Option* (Select courses COULD satisfy Human Cultures Humanities for core)									
(0-4)	(0-4) Language II Option* (Select courses COULD satisfy Human Cultures Humanities for core)									
(0-4)										
(3-6)										
Within Major	Laboratory Scienc	ce I Option <i>(satisfies Scie</i>	ence Selective for core)							
Within Major	Laboratory Scienc	ce II Option <i>(satisfies Sci</i>	ence Selective for core)							
(3)	General Education	n I Option <i>(Select course</i>	s COULD satisfy Human Culture Behavioral/Social	Science or Humanities for core)						
(3)	General Education	n II Option <i>(Select cours</i>	es COULD satisfy Human Culture Behavioral/Social	Science or Humanities for core)						
(3)	General Education	n II Option <i>(Select cours</i>	es COULD satisfy Human Culture Behavioral/Social	Science or Humanities for core)						
Within Major	STAT 35000 Introd	duction To Statistics								
Within Major	Computing Option	n								
(0-4)	Teambuilding and	Collaboration Experie	nce*							
(3)	Great Issues Option	on								
(0-3)	Multidisciplinary (Experience* (Select cou	rses COULD satisfies Science, Technology, and Soci	ety Selective for core)						
equirement may be	e met with a zero credit ex	cperiential learning option. S	ee your advisor for more information							
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lectives (11-3		()	()	()						
()		()	()	()						
niversity Core	Requirements									
Human Cultures Hui	manities		Science, Technology & Society Selective							
Human Cultures Bel	havioral/Social Science		Written Communication							
Information Literacy	/		Oral Communication							
Science Selective			Quantitative Reasoning							
Science Selective										
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	The student is	ultimately responsi	ble for knowing and completing all degre	e requirements.						
	Doggoo	Works is knowledge	e source for specific requirements and co	mulation						
	Degree	works is knowledge	e source for specific requirements and co	mpietion						

Revised 4/2015 (effective Fall 2015)

Interdisciplinary Science – Concentration in Physics

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
4-5	MA 16100 or MA 16500	85 ALEKS	4-5	MA 16200 or MA 16600	MA 16100 or 16500
3-4	ENGL 10600/10800		4	PHYS 27200 or PHYS 24100 Electricity and Optics AND PHYS 25200	PHYS 17200
4	PHYS 17200	85 ALEKS	3-4	Language II Selective	Language I
3-4	Language I Selective		3	Free Elective	
1	Free Elective		1	Free Elective	
15-18		_	15-17		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	MA 26100	MA 16200 or 16600	3	PHYS 30000+	Varies
3-4	PHYS 34200 or 34400	PHYS 27200 or 24100+25200 AND co-reg MA 26100	3	Supporting Area Course	
3-4	Language Selective III	See Course Info	3	General Education I Selective	
3	Supporting Area Course		3	COM 21700 or Technical Presentation	
3	Free Elective		3-4	Computing Selective	
			0	Teambuilding Experience	
15-17			15-16		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	PHYS 30000+	Varies	3	EAPS Selective	
3	Supporting Area Course		3	Supporting Area Course	
4-5	General Chemistry Selective I	Co-req Calc	4-5	General Chemistry Selective II or free elective	Varies
3	General Education II Selective		3	General Education III Selective	
3	Free Elective		3	Free Elective	
16-17			16-17		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	STAT Selective	Varies	3	Great Issue Selective	Jr/Sr Standing; may require COM or ENGL
3	Supporting Area Course		3	Supporting Area Course	
0-4	Multidisciplinary Experience		3-4	Biology Selective II	Biology I
4	Biology Selective I		0-2	Biology Selective II or Free Elective	
3	Technical Writing or Free Elective		6	Free Elective	
2	Free Elective				
15-18			15-18		

120 semester credits required for Bachelor of Science degree.
2.0 Graduation GPA required for Bachelor of Science degree.

The student is ultimately responsible for knowing and completing all degree requirements.

Degree Works is knowledge source for specific requirements and completion