

ADVISING WORKSHEET

BACHELOR OF SCIENCE DEGREE MAJOR IN BROADFIELD SCIENCE General Bulletin 2013-2015

TRAN	SFER I	NSTITU	TION(S)	:

Montana State University Billings Advising Center Phone: 406-657-2240 Fax: 406-657-2302 advising@msubillings.edu

www.msubillings.edu/advise/

Vame	 	
Student ID #		

GENERAL EDUCATION REQUIREMENTS - SEE ATTACHED PAGE FOR SPECIFIC COURSES

General Education Category	Course #	Credits	Grade	Semester	Equivalent
Category I: Global Academic Skills (9 credits) A. Mathematics (3 credits)					
B. English (3 credits)	WRIT 101				
C. Communication & Information Literacy (3 credits)					
Category II: Natural Sciences (7 credits) 2 lectures (6 credits) & 1 lab (1 credit) (1 life science & 1 physical science & 1 lab) BIOB 160/161 – Major Requirement					
Category III: Social Sciences and History (6 credits) A. Social Science (3 credits)					
B. History (3 credits)					
Category IV: Cultural Diversity (3 credits)					
Category V: Arts & Humanities (6 credits) A. Fine Arts (3 credits)					
B. Humanities (3 credits)					

A minimum grade of "C-" required in all General Education courses.

Note: Certain degrees may require a minimum grade of "C" in General Education courses.

Reviewed	1 :		
		 	 _
			_
			 _

GENERAL EDUCATION REQUIREMENTS

G 1 .	ORY I: (GLOBAL ACADEMIC SKILLS	9 credits	SOCI	101	Introduction to Sociology	
		uired to take one course from each sub		SOCI	201	Social Problems	3 cre
ubcate	gory A	- Mathematics	3 credits			- History	5 cre
Л	105	Contemporary Mathematics	3	HSTA	101	American History I	
Л	114	Extended Technical Mathematics	3	HSTA HSTR	102	American History II	
1	121	College Algebra	3		101	Western Civilization I	
1	122	College Trigonometry	3	HSTR	102	Western Civilization II	
1	131	Mathematics for Elementary Teacher	ers II 3	HSTR	103	Honors Western Civilization I	
1	143	Finite Mathematics	4	HSTR	104	Honors Western Civilization II	
1	171	Calculus I	4	PSCI	230	Introduction to International Relatio	ns
TAT	141	Introduction to Statistical Concepts	3				
TAT	216	Introduction to Statistics	4	CATEGO	RY IV:	CULTURAL DIVERSITY	3 cree
		- English	3 credits	ANTY	220	Culture and Society	
/RIT	101	College Writing I	3	ARTH	160	Global Visual Culture	
VRIT	121	Introduction to Technical Writing	3	COMX	212	Introduction to Intercultural Commu	nication
VRIT	122		3				incatioi
VRIT		Introduction to Business Writing		GPHY	121	Human Geography	
	201	College Writing II	3	HTH	270	Global Health Issues	
/RIT	220	Business & Professional Writing	3	LIT	230	World Literature Survey	
/RIT	221	Intermediate Technical Writing	3	MUSI	207	World Music	
	-	Communication & Information Liter	acy 3 credits	NASX	105	Introduction to Native American Stu	
OMX	111	Introduction to Public Speaking	3	NASX	205	Native Americans in Contemporary	Society
OMX	115	Introduction to Interpersonal Comm	unication 3	PHL	271	Philosophy & Religion of India	,
SCI	125	Research in the Information Age	3	PHL	272	Philosophy & Religion of China/Tib	et/Japar
MIS	150	Computer Literacy	3	REHA	201	Introduction to Diversity	P-44
1,110	100	Computer Enteracy		RLST	170	The Religious Quest	
1	TT	Ni myn y Carmyana (1 4	0.1 1.1		170	The Kengious Quest	
		NATURAL SCIENCES 6 cr. lecture		A&SC/	0.774	Wantan Cultum and Casister	
ubcate	gory A		3-4 credits	SOCI/W		Women, Culture, and Society	
BIOB	101	Discover Biology	3	SPNS	150	The Hispanic Tradition	
BIOB	102	Discover Biology Lab	1				
BIOB	160	Principles of Living Systems	3	CATEGO	DRY V:	ARTS & HUMANITIES	6 crec
SIOB	161	Principles of Living Systems Lab	1	Students	are rea	uired to take one course from each sub	categor
			3-4 credits			– Fine Arts	3 cree
STR	110	Introduction to Astronomy	3	ARTZ	101	Art Fundamentals	3 (1)
STR	111	Introduction to Astronomy Lab	1				
				ARTZ	131	Ceramics for Non-majors	
HMY	121	Introduction to General Chemistry	3	ARTZ	105	Visual Language-Drawing	
HMY			Lab 1			Introduction to World Cinema	
	122	Introduction to General Chemistry I		FILM	160		
	141	College Chemistry I	3	FILM MART	260	Computer Presentation and Animati	on
HMY	141 142	College Chemistry I College Chemistry Laboratory I	3 1				on
HMY	141 142 101	College Chemistry I	3	MART	260	Computer Presentation and Animati	on
HMY EO	141 142	College Chemistry I College Chemistry Laboratory I	3 1 3	MART CRWR	260 240	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature	on
HMY EO EO	141 142 101	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La	3 1 3 aboratory 1	MART CRWR LIT MUSI	260 240 270 101	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music	on
HMY EO EO PHY	141 142 101 102 112	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography	3 1 3 aboratory 1 Lab 1	MART CRWR LIT MUSI MUSI	260 240 270 101 114	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic	on
CHMY GEO GEO GPHY GPHY	141 142 101 102 112 111	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography	3 1 3 aboratory 1 Lab 1 3	MART CRWR LIT MUSI MUSI MUSI	260 240 270 101 114 131	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB	
CHMY SEO SEO SPHY SPHY CHSX	141 142 101 102 112 111 103	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World	3 1 3 aboratory 1 Lab 1 3	MART CRWR LIT MUSI MUSI MUSI MUSI	260 240 270 101 114 131 147	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru	
CHMY CHMY GEO GEO GPHY GPHY PHSX PHSX	141 142 101 102 112 111 103 104	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab	3 1 3 aboratory 1 Lab 1 3 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR	260 240 270 101 114 131 147 101	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre	
HMY EEO EEO EPHY EPHY HSX HSX HSX	141 142 101 102 112 111 103 104 205	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I	3 1 3 aboratory 1 Lab 1 3 3 1 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR	260 240 270 101 114 131 147 101 120	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I	s
HMY EEO EPHY PHY HSX HSX HSX HSX	141 142 101 102 112 111 103 104 205 206	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab	3 1 3 aboratory 1 Lab 1 3 3 1 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate	260 240 270 101 114 131 147 101 120 gory B	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities	s
HMY GEO GPHY GPHY HSX HSX HSX HSX HSX	141 142 101 102 112 111 103 104 205 206 105	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci	3 1 3 aboratory 1 Lab 1 3 3 1 3 1 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH	260 240 270 101 114 131 147 101 120 gory B	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History	s
HMY EO EO PHY PHY HSX HSX HSX HSX HSX	141 142 101 102 112 111 103 104 205 206 105 106	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Lab	3 1 3 aboratory 1 Lab 1 3 3 1 3 1 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate	260 240 270 101 114 131 147 101 120 gory B	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding	s
CHMY GEO GEO GPHY GPHY PHSX PHSX PHSX PHSX PHSX PHSX PHSX PHSX	141 142 101 102 112 111 103 104 205 206 105 106 gories A	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences	3 1 3 aboratory 1 Lab 1 3 3 1 3 1 7 credits	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT	260 240 270 101 114 131 147 101 120 gory B	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History	s
HMY GEO GEO GPHY GPHY HSX HSX HSX HSX HSX HSX HSX Ubcate	141 142 101 102 112 111 103 104 205 206 105 106 gories A	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Lab	3 1 3 aboratory 1 Lab 1 3 3 1 3 1 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR	260 240 270 101 114 131 147 101 120 gory B	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding	s
CHMY GEO GEO GPHY GPHY CHSX CHSX CHSX CHSX CHSX CHSX CHSX	141 142 101 102 112 111 103 104 205 206 105 106 gories A	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences	3 1 3 aboratory 1 Lab 1 3 3 1 3 1 7 credits	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature	s
CHMY GEO GEO GPHY GPHSX PHSX PHSX PHSX PHSX PHSX PHSX PHSX	141 142 101 102 112 111 103 104 205 206 105 106 gories A	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences	3 1 3 aboratory 1 Lab 1 3 3 1 3 1 7 credits 3, ½, 3, ½	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	
CHMY GEO GEO GPHY GPHY HSX HSX HSX HSX HSX Ubcate CIN 10	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences SOCIAL SCIENCES AND HISTORY	3 1 3 aboratory 1 Lab 1 3 3 1 3 1 7 credits 3, ½, 3, ½	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature	s
CHMY GEO GEO GPHY GPHSX PHSX PHSX PHSX PHSX PHSX PHSX CHSX CHSX CHSX CHSX CHSX CHSX CHSX C	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences SOCIAL SCIENCES AND HISTORY uired to take one course from each suf-	3 1 3 aboratory 1 Lab 1 3 3 1 3 1 7 credits 3, ½, 3, ½	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
HMY EO EO PHY PHY HSX HSX HSX HSX HSX HSX Ubcate CIN 10 ATEGO tudents ubcate	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req gory A	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences SOCIAL SCIENCES AND HISTORY wired to take one course from each sub – Social Sciences	3 1 3 aboratory 1 Lab 1 3 3 1 3 1 7 credits 3, ½, 3, ½ 6 credits becategory 3 credits	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
HMY EO EO PHY PHY HSX HSX HSX HSX Ubcate CIN 10	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req.	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences SOCIAL SCIENCES AND HISTORY wired to take one course from each sub – Social Sciences Physical Anthropology & Archeology	3 1 3 aboratory 1 Lab 1 3 3 1 3 1 7 credits 3, ½ , 3, ½ 6 credits becategory 3 credits gy 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
CHMY GEO GEO GPHY GPHY HSX HSX HSX HSX HSX Ubcate CIN 10 CATEGO tudents ubcate NTY	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req gory A	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences SOCIAL SCIENCES AND HISTORY wired to take one course from each sub – Social Sciences	3 1 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
CHMY GEO GEO GPHY GPHY HSX HSX HSX HSX HSX Ubcate CIN 10 CATEGO tudents ubcate NTY GEN	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req.	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences SOCIAL SCIENCES AND HISTORY wired to take one course from each sub – Social Sciences Physical Anthropology & Archeology	3 1 3 1 3 1 1 Lab 1 3 3 1 1 7 credits 3, ½, 3, ½ 6 credits becategory 3 credits gy 3 cplace 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
CHMY GEO GEO GPHY GPHSX PHSX PHSX PHSX PHSX PHSX CHSX CHSX CHSX CHSX CHSX CHSX CHSX C	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req. gory A 217 105 106	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences SOCIAL SCIENCES AND HISTORY wired to take one course from each sub — Social Sciences Physical Anthropology & Archeolog Introduction to Business Communicating in a Dynamic Work	3 1 3 1 3 1 1 Lab 1 3 3 1 1 7 credits 3, ½, 3, ½ 6 credits becategory 3 credits gy 3 cplace 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
CHMY GEO GEO GPHY GPHSX PHSX PHSX PHSX PHSX PHSX CHSX CHSX CHSX CHSX CHSX CHSX CHSX C	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req gory A 217 105 106 201	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences Social Sciences Social Sciences Physical Anthropology & Archeolog Introduction to Business Communicating in a Dynamic Work Principles of Microeconomics	3 1 3 aboratory 1 Lab 1 3 3 1 1 3 1 7 credits 3, ½, 3, ½ 6 credits becategory 3 credits gy 3 splace 3 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
CHMY GEO GEO GPHY GPHY PHSX PHSX PHSX PHSX PHSX PHSX CHSX PHSX CHSX COMMA GCIN 10 CATEGO Gubcate Subcate Subc	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req. gory A 2 217 105 106 201 202	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences Social Sciences Social Sciences Physical Anthropology & Archeolog Introduction to Business Communicating in a Dynamic Work Principles of Microeconomics Principles of Macroeconomics	3 1 3 aboratory 1 Lab 1 3 3 1 3 1 7 credits 3, ½, 3, ½ 6 credits becategory 3 credits gy 3 cplace 3 3 3 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
CHMY GEO GEO GPHY GPHY PHSX PHSX PHSX PHSX PHSX PHSX CHSX CHSX CHSX CHSX CHSX CHSX CHSX C	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req. gory A 2 217 105 106 201 202 105	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences Social Sciences Social Sciences Physical Anthropology & Archeolog Introduction to Business Communicating in a Dynamic Work Principles of Microeconomics Principles of Macroeconomics Education and Democracy	3 1 3 aboratory 1 Lab 1 3 3 1 3 1 7 credits 3, ½, 3, ½ 6 credits becategory 3 credits gy 3 splace 3 3 3 3 3 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
CHMY GEO GEO GPHY GPHY PHSX PHSX PHSX PHSX PHSX PHSX CHSX PHSX PHSX COMPA COMPA GEO	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req gory A 217 105 106 201 202 105 141	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences SOCIAL SCIENCES AND HISTORY wired to take one course from each sub — Social Sciences Physical Anthropology & Archeolog Introduction to Business Communicating in a Dynamic Work Principles of Microeconomics Principles of Macroeconomics Education and Democracy Geography of World Regions	3 1 3 1 3 1 1 Lab 1 1 3 3 1 7 credits 3, ½, 3, ½ 6 credits becategory 3 credits becategory 3 credits 3 3 3 3 3 3 3 3 3 3 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
CHMY GEO GEO GPHY GPHY HSX HSX HSX HSX HSX HSX HSX CIN 10 CATEGO tudents ubcate ubcate comx CONS CONS CONS CONS CONS CONS CONS CONS	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req. gory A 217 105 106 201 202 105 141 110	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences Social Sciences Physical Anthropology & Archeolog Introduction to Business Communicating in a Dynamic Work Principles of Microeconomics Principles of Macroeconomics Education and Democracy Geography of World Regions Personal Health and Wellness	3 1 3 1 3 1 Lab 1 Lab 1 3 3 1 7 credits 3, ½, 3, ½ 6 credits becategory 3 credits gy 3 splace 3 3 3 3 3 3 3 3 3 3	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
CHMY GEO GEO GPHY GPHSX PHSX PHSX PHSX PHSX PHSX PHSX PHSX	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req gory A 217 105 106 201 202 105 141 110 220	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences SOCIAL SCIENCES AND HISTORY wired to take one course from each sufficient to Business Communicating in a Dynamic Work Principles of Microeconomics Principles of Macroeconomics Education and Democracy Geography of World Regions Personal Health and Wellness Introduction to Comparative Govern	3 1 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
CHMY GEO GEO GPHY GPHSX PHSX PHSX PHSX PHSX PHSX PHSX PHSX	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req. gory A 217 105 106 201 202 105 141 110	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences Social Sciences Physical Anthropology & Archeolog Introduction to Business Communicating in a Dynamic Work Principles of Microeconomics Principles of Macroeconomics Education and Democracy Geography of World Regions Personal Health and Wellness	3 1 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s
CHMY GEO GEO GPHY GPHY PHSX PHSX PHSX PHSX PHSX PHSX CHSX CHSX CHSX CHSX CHSX CHSX CHSX C	141 142 101 102 112 111 103 104 205 206 105 106 gories A 1, 102, 10 DRY III: are req gory A 217 105 106 201 202 105 141 110 220	College Chemistry I College Chemistry Laboratory I Introduction to Physical Geology Introduction to Physical Geology La Introduction to Physical Geography Introduction to Physical Geography Our Physical World Our Physical World Our Physical World Lab College Physics I College Physics I Lab Fundamentals of Phys Sci Fundamentals of Phys Sci Fundamentals of Phys Sci Lab A and B – Integrated Sciences 3 & 104 Integrated Sciences SOCIAL SCIENCES AND HISTORY wired to take one course from each sufficient to Business Communicating in a Dynamic Work Principles of Microeconomics Principles of Macroeconomics Education and Democracy Geography of World Regions Personal Health and Wellness Introduction to Comparative Govern	3 1 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	MART CRWR LIT MUSI MUSI MUSI MUSI THTR THTR Subcate ARTH HONR LIT LIT PHL PHL	260 240 270 101 114 131 147 101 120 gory B 150 111 110 240 110	Computer Presentation and Animati Intro Creative Writing Workshop Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Choru Introduction to Theatre Introduction to Acting I - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature The Bible as Literature Introduction to Ethics	s

Biology Requirements *BIOB 160 Principles of Living Systems 3 *BIOB 161 Principles of Living Systems Lab 1 BIOB 170 Principles of Biological Diversity 3 BIOB 171 Principles of Biological Diversity Lab 1 BIOB 260 Cellular and Molecular Biology 3 BIOB 261 Cellular and Molecular Biology Lab 1 BIOB 375 General Genetics 3 BIOB 376 General Genetics Lab 1 BIOE 370 General Ecology 3 BIOE 371 General Ecology Lab 1 BIOE 371 General Ecology Lab 1 BIOE 371 General Ecology Lab 1	sework
*BIOB 160 Principles of Living Systems 3 * BIOB 161 Principles of Living Systems Lab 1 BIOB 170 Principles of Biological Diversity 3 BIOB 171 Principles of Biological Diversity Lab 1 BIOB 260 Cellular and Molecular Biology 3 BIOB 261 Cellular and Molecular Biology Lab 1 BIOB 375 General Genetics 3 BIOB 376 General Genetics Lab 1 BIOE 370 General Ecology 3 BIOE 371 General Ecology Lab 1	
* BIOB 161 Principles of Living Systems Lab 1 BIOB 170 Principles of Biological Diversity 3 BIOB 171 Principles of Biological Diversity Lab 1 BIOB 260 Cellular and Molecular Biology 3 BIOB 261 Cellular and Molecular Biology Lab 1 BIOB 375 General Genetics 3 BIOB 376 General Genetics Lab 1 BIOE 370 General Ecology 3 BIOE 371 General Ecology Lab 1	
BIOB 171 Principles of Biological Diversity Lab 1 BIOB 260 Cellular and Molecular Biology 3 BIOB 261 Cellular and Molecular Biology Lab 1 BIOB 375 General Genetics 3 BIOB 376 General Genetics Lab 1 BIOE 370 General Ecology 3 BIOE 371 General Ecology Lab 1	
BIOB 260 Cellular and Molecular Biology 3 BIOB 261 Cellular and Molecular Biology Lab 1 BIOB 375 General Genetics 3 BIOB 376 General Genetics Lab 1 BIOE 370 General Ecology 3 BIOE 371 General Ecology Lab 1	
BIOB 261 Cellular and Molecular Biology Lab 1 BIOB 375 General Genetics 3 BIOB 376 General Genetics Lab 1 BIOE 370 General Ecology 3 BIOE 371 General Ecology Lab 1	
BIOB 375 General Genetics 3 BIOB 376 General Genetics Lab 1 BIOE 370 General Ecology 3 BIOE 371 General Ecology Lab 1	
BIOB 376 General Genetics Lab 1 BIOE 370 General Ecology 3 BIOE 371 General Ecology Lab 1	
BIOE 370 General Ecology 3 BIOE 371 General Ecology Lab 1	
BIOE 371 General Ecology Lab 1	i
Biology Total 20	
Chamietus Deguinomente	
Chemistry Requirements *CHMY 141 College Chemistry I 3	
*CHMY 142 College Chemistry Laboratory I 1	
CHMY 143 College Chemistry II 3	
CHMY 144 College Chemistry Laboratory II 1	
CHMY 321 Organic Chemistry I 3	
CHMY 322 Organic Chemistry Laboratory I 1	
CHMY 323 Organic Chemistry II 3	
CHMY 324 Organic Chemistry Laboratory II 1	
BCH 380 Biochemistry 3	
BCH 381 Biochemistry Lab 1	
Chemistry Total 20	
Physics Descriptions	
Physics Requirements PHSX 220 Physics I 3	
PHSX 221 Physics I Lab 1	
PHSX 232 Physics II and Thermodynamics 3	
PHSX 233 Physics II and Thermodynamics Lab 1	
*ASTR 110 Introduction to Astronomy 3	
* ASTR 111 Introduction to Astronomy Lab 1	
PHSX 343 Modern Physics 3	
PHSX 391 Special Topics 3	
PHSX 491 Special Topics 3	

*GEO 102 Introduction to Physical Geology Laboratory 1 GEO 205 Mineralogy 4 GEO 211 Earth History and Evolution 3 GEO 212 Earth History and Evolution Laboratory 1 GEO 309 Sedimentation and Stratigraphy 3 Choose one course from the following: ERTH 303 Weather and Climate 3 ERTH 401 Geological Field Methods 3 ERTH 491 Special Topics 3 EARTH Science Total 18 Biological or Physical Science Electives (6 credits) – at least 3 credits must be upper division Total 6 Mathematics Requirements *M 171 Calculus I M 172 Calculus II Mathematics Total 8 Restricted Electives chosen with advisor (6 credits)	*GEO	101	uirements Introduction to Physical Geology	3			
GEO 211 Earth History and Evolution 3	*GEO	102	Introduction to Physical Geology Laboratory	1			
GEO 212 Earth History and Evolution Laboratory 1	GEO	205	Mineralogy	4			
Choose one course from the following: ERTH 303 Weather and Climate 3 ERTH 401 Geological Field Methods 3 ERTH 491 Special Topics 3 Earth Science Total 18 Biological or Physical Science Electives (6 credits) – at least 3 credits must be upper division Total 6 Mathematics Requirements *M 171 Calculus I 4 M 172 Calculus II 4 Mathematics Total 8	GEO	211	Earth History and Evolution	3			
Choose one course from the following: ERTH	GEO	212	Earth History and Evolution Laboratory	1			
ERTH 303 Weather and Climate 3	GEO	309	Sedimentation and Stratigraphy	3			
ERTH	Choose or	ne course fr	rom the following:				
ERTH 491 Special Topics 3 Biological or Physical Science Electives (6 credits) – at least 3 credits must be upper division Total 6 Mathematics Requirements *M 171 Calculus I 4 Mathematics Total 8 Mathematics Total 8	ERTH	303	Weather and Climate	3			
Earth Science Total 18 Biological or Physical Science Electives (6 credits) – at least 3 credits must be upper division Total 6 Mathematics Requirements *M 171 Calculus I 4	ERTH	401	Geological Field Methods	3			
Biological or Physical Science Electives (6 credits) – at least 3 credits must be upper division Total Mathematics Requirements *M 171 Calculus I M 172 Calculus II Mathematics Total Mathematics Total 8	ERTH	491	Special Topics	3			
Total 6			Earth Science Total	18	<u>l</u>		
Total 6	D: 1 .	1 DI		194 4.1	1		
Mathematics Requirements *M 171 Calculus I 4	Biologica	al or Physi	ical Science Electives (6 credits) – at least 3 cred	dits must be u	pper divisioi	<u>n</u>	
Mathematics Requirements *M 171 Calculus I 4							
Mathematics Requirements *M 171 Calculus I 4							
Mathematics Requirements *M 171 Calculus I 4							
*M 171 Calculus I M 172 Calculus II Mathematics Total 8							
*M 171 Calculus I M 172 Calculus II Mathematics Total 8			Total	6			
M 172 Calculus II 4 Mathematics Total 8	Matham	atias Dagy		6			
Mathematics Total 8			nirements				
	*M	171	nirements Calculus I	4			
Restricted Electives chosen with advisor (6 credits)	*M	171	nirements Calculus I Calculus II	4 4			
	*M	171	nirements Calculus I Calculus II	4 4			
	*M M	171 172	Calculus I Calculus II Mathematics Total	4 4			
	*M M	171 172	Calculus I Calculus II Mathematics Total	4 4			
Restricted Electives Total 6	*M M	171 172	Calculus I Calculus II Mathematics Total es chosen with advisor (6 credits)	4 4 8			
	*M M	171 172	Calculus I Calculus II Mathematics Total	4 4			
	*M M Restricte	171 172 ed Elective	Calculus I Calculus II Mathematics Total es chosen with advisor (6 credits) Restricted Electives Total	4 4 8			
*May satisfy General Education requirements.	*M Restricte *May sat	171 172 ed Elective	Calculus I Calculus II Mathematics Total es chosen with advisor (6 credits) Restricted Electives Total ral Education requirements.	8			
*May satisfy General Education requirements. Certain courses in this program have prerequisites; students should check course descriptions for required prerequisites.	*M Restricte *May sat	171 172 ed Elective	Calculus I Calculus II Mathematics Total es chosen with advisor (6 credits) Restricted Electives Total ral Education requirements.	8	escriptions fo	or required prerequi.	sites.
	*M Restricte *May sat	171 172 ed Elective	Calculus I Calculus II Mathematics Total es chosen with advisor (6 credits) Restricted Electives Total ral Education requirements.	8	escriptions fo	or required prerequi:	sites.
Certain courses in this program have prerequisites; students should check course descriptions for required prerequisites.	*M Restricte *May sat Certain c	171 172 ed Elective	Calculus I Calculus II Mathematics Total es chosen with advisor (6 credits) Restricted Electives Total ral Education requirements.	8	escriptions fo	or required prerequi.	sites.
Certain courses in this program have prerequisites; students should check course descriptions for required prerequisites.	*M Restricte *May sat Certain c	171 172 ed Elective	Calculus I Calculus II Mathematics Total es chosen with advisor (6 credits) Restricted Electives Total ral Education requirements.	8	escriptions fo	or required prerequi.	sites.
	*M Restricte *May sat Certain c	171 172 ed Elective	Calculus I Calculus II Mathematics Total es chosen with advisor (6 credits) Restricted Electives Total ral Education requirements.	8	escriptions fo	or required prerequi:	sites.
Certain courses in this program have prerequisites; students should check course descriptions for required prerequisites.	*M Restricte *May sat Certain c	171 172 ed Elective	Calculus I Calculus II Mathematics Total es chosen with advisor (6 credits) Restricted Electives Total ral Education requirements.	8	escriptions fo	or required prerequi.	sites.
Certain courses in this program have prerequisites; students should check course descriptions for required prerequisites.	*M Restricte *May sat Certain c	171 172 ed Elective	Calculus I Calculus II Mathematics Total es chosen with advisor (6 credits) Restricted Electives Total ral Education requirements.	8	escriptions fo	or required prerequi.	sites.

BACHELOR OF SCIENCE DEGREE MAJOR IN BROADFIELD SCIENCE

Categories	Credits	Earned	Remaining
General Education	31		
Biology	**16		
Chemistry	***17		
Physics	21		
Earth Science	18		
Biological or Physical Scien	ce Elect 6		
Mathematics	***5		
Restricted Electives	6		
Electives	0-V		
Total	120		

^{**4} credits that also satisfy General Education requirements are not included in the total credits for the major.

***3 credits that also satisfy General Education requirements are not included in the total credits for the major.

It is the student's responsibility to know and meet the requirements for graduation.

A minimum of 36 credits must be upper division classes (300 and above).

Notes: