

ADVISING WORKSHEET

BACHELOR OF SCIENCE DEGREE MAJOR IN BROADFIELD SCIENCE **TEACHING LICENSURE OPTION** GENERAL BULLETIN 2025-2026

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

www.msubillings.edu/advise/

Name			
Student ID #			

GENERAL EDUCATION REQUIREMENTS - SEE ATTACHED PAGE FOR SPECIFIC COURSES

General Education Category	Course #	Credits	Grade	Semester	Equivalent
Category I: Global Academic Skills (10 credits) # A. Mathematics (3 credits)					
STAT 216 or M 171 – Major Requirements					
B. English (3 credits) #	WRIT 101				
C. Communication & Information Literacy (3 credits) #	COMX 111 or 115				
D. Skills for College Success ¹ (1 credit)	COLS 108				
Category II: Natural Sciences ² (6 credits) A. Life Sciences (3 credits)					
B. Physical Sciences (3 credits)					
Category III: Social Sciences and History (6 credits)					
A. Social Science (3 credits)	EDU 105				
B. History (3 credits) #	HSTA 101 or 102				
Category IV: Cultural Diversity (3 credits) #	NASX 105 or 205				
Category V: Arts & Humanities (6 credits) A. Fine Arts (3 credits)					
B. Humanities (3 credits)					

¹ In addition to the MUS Transfer Policies (see MUS Core Curriculum (https://catalog.msubillings.edu/undergraduate/admissionsregistration/registrars-office/), transfer and re-admit students who transfer in 30 or more credits are not required to meet this category. ² Some majors are required to take specific science labs as part of their requirements. Please speak with an advisor for more information.

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.

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GENERAL EDUCATION REQUIREMENTS

CATEGO	RY I: (GLOBAL ACADEMIC SKILLS	10 credits
Students	are req	uired to take one course from each sub	ocategory
		- Mathematics	3 credits
M	105	Contemporary Mathematics	3
M	114	Extended Technical Mathematics	3
M	121	College Algebra	3
M	122	College Trigonometry	3
M	130	Mathematics for Elementary Teache	
M	140	College Math for Healthcare	3
M	143	Finite Mathematics	4
M	161	Survey of Calculus	3
M	171	Calculus I	4
STAT	141	Introduction to Statistical Concepts	3
STAT	216	Introduction to Statistics	4
•	_ •	- English	3 credits
WRIT	101	College Writing I	3
WRIT	121	- C	3
WRIT	122	Introduction to Business Writing	3
Subcates	orv C-	- Communication & Information Litera	acv 3 credit
COMX	_ •	Introduction to Public Speaking	3
OR COLOX	11-		
COMX	115	Introduction to Interpersonal Com	munication3
	D	- Skills for College Success ¹	1 credit
Subcates	gory D		1 Ci cuit
Subcate; COLS 1(The College Experience	1 Ci cuit
			rereuit
COLS 10	08 7		6 credits
COLS 10	RY II:	The College Experience NATURAL SCIENCES	6 credits
COLS 10 CATEGO Students	ORY II:	The College Experience NATURAL SCIENCES uired to take one course from Life Sciences	6 credits
CATEGO Students course fr	ORY II: are required on Phy	NATURAL SCIENCES uired to take one course from Life Sciencial Sciences, which include lab exerc	6 credits
CATEGO Students course fr Subcates	ory II: are required om Phygory A	NATURAL SCIENCES uired to take one course from Life Sciences which include lab exerce – Life Sciences	6 credits ences and one cises. 2 3 credits
CATEGO Students course fr Subcates BIOB	ory II: are req om Phy gory A	NATURAL SCIENCES uired to take one course from Life Sciences which include lab exerce Life Sciences Discover Biology ³	6 credits ences and one cises. ²
COLS 10 CATEGO Students course fr Subcates BIOB BIOB	ory II: are req om Phy gory A 101 102	NATURAL SCIENCES uired to take one course from Life Sciences which include lab exerce - Life Sciences Discover Biology ³ Discover Biology Lab ³	6 credits ences and one cises. 2 3 credits 3 1
CATEGO Students course fr Subcates BIOB BIOB BIOB	ory A 101 102 120	NATURAL SCIENCES uired to take one course from Life Sciences which include lab exerce Life Sciences Discover Biology ³ Discover Biology Lab ³ Fundamentals of Biology Plants and	6 credits ences and one cises. 2 3 credits 3 1 People 3 3
COLS 10 CATEGO Students course fr Subcates BIOB BIOB BIOB BIOB	ory II: are req om Phy gory A 101 102 120 121	NATURAL SCIENCES uired to take one course from Life Sciencial Sciences, which include lab exerce Life Sciences Discover Biology ³ Discover Biology Lab ³ Fundamentals of Biology Plants and Fundamentals of Biology for Allied	6 credits ences and one cises. 2 3 credits 3 1 People 3 3 Health 3
CATEGO Students course fr Subcates BIOB BIOB BIOB BIOB BIOB BIOB BIOB	DRY II: are req om Phy gory A 101 102 120 121 123	NATURAL SCIENCES uired to take one course from Life Sciences which include lab exerce—Life Sciences Discover Biology ³ Discover Biology Lab ³ Fundamentals of Biology Plants and Fundamentals of Biology for Allied Fund of Biology: The Nature of Nut	6 credits ences and one cises. 2 3 credits 3 1 People 3 3 Health 3 rition 3
CATEGO Students course fr Subcates BIOB BIOB BIOB BIOB BIOB	DRY II: are req om Phy gory A 101 102 120 121 123 160	NATURAL SCIENCES uired to take one course from Life Sciences which include lab exerce—Life Sciences, which include lab exerce—Life Sciences Discover Biology ³ Discover Biology Lab ³ Fundamentals of Biology Plants and Fundamentals of Biology for Allied Fund of Biology: The Nature of Nut Principles of Living Systems	6 credits ences and one cises. 2 3 credits People 3 3 Health 3 rition 3 3
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CATEGO Students course fr Subcates BIOB BIOB BIOB BIOB BIOB BIOB BIOB BIO	ory II: are req om Phy gory A 101 102 120 121 123 160 161	NATURAL SCIENCES uired to take one course from Life Sciences; which include lab exerce—Life Sciences, which include lab exerce—Life Sciences Discover Biology ³ Discover Biology Lab ³ Fundamentals of Biology Plants and Fundamentals of Biology for Allied Fund of Biology: The Nature of Nut Principles of Living Systems Principles of Living Systems Lab ³ Integrated Science I ^{3^}	6 credits ences and one cises. 2 3 credits 1 People 3 3 Health 3 rition 3 1 4
CATEGO Students course fr Subcates BIOB BIOB BIOB BIOB BIOB BIOB BIOB BIO	ory II: are req om Phy gory A 101 102 120 121 123 160 161 101 gory B	NATURAL SCIENCES uired to take one course from Life Sciences of Life Sciences Discover Biology Journal Fundamentals of Biology Plants and Fundamentals of Biology for Allied Fund of Biology: The Nature of Nuture of Living Systems of Living Systems of Living Systems Lab Integrated Science 1 Journal Sciences	6 credits ences and one cises. 2 3 credits People 3 3 Health 3 rition 3 1 4 3 credits
CATEGO Students course fr Subcates BIOB BIOB BIOB BIOB BIOB BIOB BIOB SCIN Subcates ASTR	ory II: are req om Phy gory A 101 102 120 121 123 160 161 101 gory B 110	NATURAL SCIENCES uired to take one course from Life Scienciscical Sciences, which include lab exerce—Life Sciences Discover Biology ³ Discover Biology Lab ³ Fundamentals of Biology Plants and Fundamentals of Biology for Allied Fund of Biology: The Nature of Nute Principles of Living Systems Principles of Living Systems Lab ³ Integrated Science I ^{3^^} Physical Sciences Introduction to Astronomy	6 credits ences and one cises. 2 3 credits People 3 3 Health 3 rition 3 1 4 3 credits
CATEGO Students course fr Subcates BIOB BIOB BIOB BIOB BIOB BIOB SCIN Subcates ASTR ASTR	ory II: are req om Phy gory A 101 102 120 121 123 160 161 101 gory B 110 111	NATURAL SCIENCES uired to take one course from Life Sciencial Sciences, which include lab exerce—Life Sciences Discover Biology ³ Discover Biology Lab ³ Fundamentals of Biology Plants and Fundamentals of Biology for Allied Fund of Biology: The Nature of Nut Principles of Living Systems Principles of Living Systems Lab ³ Integrated Science I ^{3^} —Physical Sciences Introduction to Astronomy Lab ³	6 credits ences and one cises. 2 3 credits People 3 3 Health 3 rition 3 1 4 3 credits
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CATEGO Students course fr Subcates BIOB BIOB BIOB BIOB BIOB BIOB SCIN Subcates ASTR ASTR CHMY CHMY	ory II: are req om Phy gory A 101 102 120 121 123 160 161 101 gory B 110 111 121 122	NATURAL SCIENCES uired to take one course from Life Sciences orical Sciences, which include lab exerced. Life Sciences Discover Biology and Discover Biology Lab and Fundamentals of Biology Plants and Fundamentals of Biology for Allied Fund of Biology: The Nature of Nute Principles of Living Systems Principles of Living Systems Principles of Living Systems Principles of Living Systems Lab and Integrated Science 1 and Integrated Sciences Introduction to Astronomy Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction Incomplex Introduction Incomplex Introduction to General Chemistry Introduction Incomplex Introduction Inco	6 credits ences and one cises. 2 3 credits People 3 3 Health 3 rition 3 1 4 3 credits 3 1 ab 3 1
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COLS 10 CATEGO Students course fr Subcates BIOB BIOB BIOB BIOB BIOB BIOB SCIN Subcates ASTR ASTR CHMY CHMY CHMY GEO GEO GEO GPHY GHY PHSX	PRY II: are req om Phy gory A 101 102 120 121 123 160 161 101 gory B 110 111 121 122 141 142 101 102 112 262 263	The College Experience NATURAL SCIENCES uired to take one course from Life Sciences (scical Sciences, which include lab exerce) Life Sciences Discover Biology ³ Discover Biology Lab ³ Fundamentals of Biology Plants and Fundamentals of Biology for Allied Fund of Biology: The Nature of Nut Principles of Living Systems Principles of Living Systems Principles of Living Systems Lab ³ Integrated Sciences Introduction to Astronomy Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to Physical Geology Introduction to Physical Geology Introduction to Physical Geology La Montana Geology Spatial Sciences Technology & App Spatial Sciences & Technology Lab	6 credits ences and one cises. 2 3 credits People 3 3 Health 3 rition 3 3 I 4 3 credits 3 ab 3 1 4 I 3 boratory 3 1 lications 3 3 1
COLS 10 CATEGO Students course fr Subcates BIOB BIOB BIOB BIOB BIOB BIOB BIOB COLS BIOB BIOB BIOB BIOB BIOB BIOB BIOB BIO	PRY II: are req om Phy gory A 101 102 120 121 123 160 161 101 gory B 110 111 122 141 142 101 102 112 262 263 103	The College Experience NATURAL SCIENCES uired to take one course from Life Sciences (scical Sciences, which include lab exerce) Life Sciences Discover Biology 3 Discover Biology Lab 3 Fundamentals of Biology Plants and Fundamentals of Biology for Allied Fund of Biology: The Nature of Nut Principles of Living Systems Principles of Living Systems Principles of Living Systems Lab 3 Integrated Science I 3^- Physical Sciences Introduction to Astronomy Lab 3 Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to Physical Geology Introduction to Physical Geology Introduction to Physical Geology Lamontana Geology Spatial Sciences Technology & App Spatial Sciences & Technology Lab Our Physical World 3 Our Physical World Lab 3	6 credits ences and one cises. 2 3 credits People 3 3 Health 3 rition 3 3 1 4 3 credits 3 ab 3 1 4 1 3 boratory 3 1 lications 3 3 1 3
CATEGO Students course fr Subcates BIOB BIOB BIOB BIOB BIOB BIOB BIOB SCIN Subcates ASTR	PRY II: are req om Phy gory A 101 102 120 121 123 160 161 101 gory B 110 111 122 141 142 101 102 112 262 263 103 104	The College Experience NATURAL SCIENCES uired to take one course from Life Sciences (scical Sciences, which include lab exerce) Life Sciences Discover Biology 3 Discover Biology Lab 3 Fundamentals of Biology Plants and Fundamentals of Biology for Allied Fund of Biology: The Nature of Nut Principles of Living Systems Principles of Living Systems Principles of Living Systems Lab 3 Integrated Science I 3^- Physical Sciences Introduction to Astronomy Lab 3 Introduction to General Chemistry Introduction to General Chemistry Introduction to General Chemistry Introduction to Physical Geology Introduction to Physical Geology Introduction to Physical Geology Lamontana Geology Spatial Sciences Technology & App Spatial Sciences & Technology Lab Our Physical World 3	6 credits ences and one cises. 2 3 credits People 3 3 Health 3 rition 3 3 1 4 3 credits 3 ab 3 1 4 1 3 aboratory 3 1 lications 3 3 1 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

CATEGO	PRY III:	SOCIAL SCIENCES AND HISTORY	6 credits
Students	are req	uired to take one course from each subc	ategory
Subcate	gory A	– Social Sciences	3 credits
BGEN	105	Introduction to Business	3
COMX	106	Communicating in a Dynamic Work	place 3
ECNS	201	Principles of Microeconomics	3
ECNS	202	Principles of Macroeconomics	3 3 3 nt 3 ment 3
EDU	105	Education and Democracy	3
HTH	110	Personal Health and Wellness	3
PSCI	210	Introduction to American Governmen	nt 3
PSCI	220	Introduction to Comparative Govern	ment 3
PSYX	100	Introduction to Psychology	3
SOCI	101	Introduction to Sociology	3
SOCI	201	Social Problems	3
,	- •	- History	3 credits
HSTA	101	American History I	3
OR			
HSTA	102	American History II	3
CATEGO	RV IV:	CULTURAL DIVERSITY	3 credits
NASX	105	Introduction to Native American Str	
OR .	103	Thirdunction to Patrice Timerican Str	illies 5
NASX	205	Native Americans in Contemporary	Society 3
CATEGO	RV V:	ARTS & HUMANITIES	6 credits
		uired to take one course from each subc	
		– Fine Arts	3 credits
ARTZ	105	Visual Language-Drawing	3
ARTZ	105		
ARTZ	106	Vicual Language 7-1) Foundations	3
ANIL	106	Visual Language 2 D Foundations	3
A DT7	108	Visual Language-3-D Foundations	3
ARTZ	108 131	Visual Language-3-D Foundations Ceramics for Non-majors	3 3
CRWR	108 131 240	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop	3 3 3
CRWR FILM	108 131 240 160	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema	3 3 3 3
CRWR FILM LIT	108 131 240 160 270	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature	3 3 3 3 3
CRWR FILM LIT MUSI	108 131 240 160 270 101	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music	3 3 3 3 3 3
CRWR FILM LIT MUSI MUSI	108 131 240 160 270 101 114	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic	3 3 3 3 3 3
CRWR FILM LIT MUSI MUSI MUSI	108 131 240 160 270 101 114 131	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB	3 3 3 3 3 1
CRWR FILM LIT MUSI MUSI MUSI MUSI	108 131 240 160 270 101 114 131 147	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Chorus	3 3 3 3 3 1 1
CRWR FILM LIT MUSI MUSI MUSI MUSI PHOT	108 131 240 160 270 101 114 131 147 154	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Chorus Exploring Digital Photography	3 3 3 3 3 1 1 1 1 3
CRWR FILM LIT MUSI MUSI MUSI MUSI	108 131 240 160 270 101 114 131 147	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Chorus	3 3 3 3 3 1 1
CRWR FILM LIT MUSI MUSI MUSI MUSI PHOT THTR	108 131 240 160 270 101 114 131 147 154 101	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Chorus Exploring Digital Photography Introduction to Theatre	3 3 3 3 3 1 1 1 1 3
CRWR FILM LIT MUSI MUSI MUSI MUSI PHOT THTR	108 131 240 160 270 101 114 131 147 154 101	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Chorus Exploring Digital Photography Introduction to Theatre - Humanities	3 3 3 3 3 1 1 1 3 3
CRWR FILM LIT MUSI MUSI MUSI MUSI PHOT THTR	108 131 240 160 270 101 114 131 147 154 101 gory B	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Chorus Exploring Digital Photography Introduction to Theatre - Humanities Introduction to Art History	3 3 3 3 3 1 1 1 3 3 3 3 3 3 3 3
CRWR FILM LIT MUSI MUSI MUSI MUSI PHOT THTR Subcate ARTH	108 131 240 160 270 101 114 131 147 154 101 gory B 150	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Chorus Exploring Digital Photography Introduction to Theatre - Humanities	3 3 3 3 3 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3
CRWR FILM LIT MUSI MUSI MUSI MUSI PHOT THTR Subcates ARTH HONR	108 131 240 160 270 101 114 131 147 154 101 gory B 150 111	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Chorus Exploring Digital Photography Introduction to Theatre - Humanities Introduction to Art History Perspectives and Understanding	3 3 3 3 3 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3
CRWR FILM LIT MUSI MUSI MUSI MUSI PHOT THTR Subcate ARTH HONR LIT	108 131 240 160 270 101 114 131 147 154 101 gory B 150 111 110	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Chorus Exploring Digital Photography Introduction to Theatre - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature Montana Literature	3 3 3 3 3 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3
CRWR FILM LIT MUSI MUSI MUSI MUSI PHOT THTR Subcate ARTH HONR LIT LIT	108 131 240 160 270 101 114 131 147 154 101 gory B 150 111 110 213	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Chorus Exploring Digital Photography Introduction to Theatre - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature Montana Literature Introduction to Ethics	3 3 3 3 3 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3
CRWR FILM LIT MUSI MUSI MUSI MUSI PHOT THTR Subcate ARTH HONR LIT LIT PHL	108 131 240 160 270 101 114 131 147 154 101 gory B 150 111 110 213 110	Visual Language-3-D Foundations Ceramics for Non-majors Intro Creative Writing Workshop Introduction to World Cinema Film & Literature Enjoyment of Music Band: MSUB Symphonic Jazz Ensemble I: MSUB Choral Ensemble: University Chorus Exploring Digital Photography Introduction to Theatre - Humanities Introduction to Art History Perspectives and Understanding Introduction to Literature Montana Literature	3 3 3 3 3 1 1 1 3 3 3 3 3 3 3 3 3 3 3 3

¹ In addition to the MUS Transfer Policies (see MUS Core Curriculum (https://catalog.msubillings.edu/undergraduate/admissions-registration/registrars-office/), transfer and re-admit students who transfer in 30 or more credits are not required to meet this category.

² Some majors are required to take specific science labs as part of their requirements. Please speak with an advisor for more information.

³ Course includes lab exercises.

[^] Elementary Education majors can satisfy Natural Sciences by taking SCIN 101 and SCIN 103.

			Credits	Grade	Semester	Equivalent
rofessional	Education	A minimum grade of C or better is required	in all maj	or course	work	
*#EDU	105	Education and Democracy	3			
	220/	Human Growth and Development/				
^#EDU	220L	Lab (45 hour practicum required)	3			
#E D U	221	Educational Psychology and Measurement	3			
^#EDSP	204	Introduction to Teaching Exceptional Learners (15 hour practicum required)	3			
#HTH	412	Drugs and Alcohol	1			
EDU	333	Reading and Writing Across the Curriculum	3			
EDU	343	Strategies for Managing Diverse Learners	2			
EDU	354	Secondary Junior Field	2			
EDU	381	Curriculum Theory and Practice	3			
EDU	383	Assessment in Education	3			
EDU	397G	Methods: 5-12 Science	2			
EDU	406	Philosophical, Legal & Ethical Issues in Education	3			
EDU	495A	Student Teaching: K-12				
Or EDU	495C	Student Teaching: 5-12	9			
EDU	1 /3C	Student Teaching, 3-12	<u> </u>			
Required fo	r Admissi	on to the Educator Preparation Program				
iology Req	uirement	8				
*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			
		3,	12	1		1
Chemistry R	-		1	1		T
*CHMY	141	College Chemistry I	4			
* CHMY	142	College Chemistry I Lab	1			
CHMY	143	College Chemistry II	4			
CHMY	144	College Chemistry II Lab	1			
Select one]	pair of co	urses from the following:	_			
CHMY & CHMY	211 212	Elements of Organic Chemistry Elements of Organic Chemistry Lab	3			
CHMY & CHMY	311 312	Analytical Chem-Quant Analysis Analytical Chem Lab – Quant Analysis	3			
CHMY & CHMY	321 322	Organic Chemistry I Organic Chemistry Lab I	3			
	ъ.					
tarth Science *GEO	ce Requir 101		3			
		Introduction to Physical Geology				
*GEO	102	Introduction to Physical Geology Lab	1			
GEO	205	Mineralogy	4			
GEO	211	Earth History and Evolution	3			

GEO

212

Earth History and Evolution Lab

Physics Requirements

*ASTR	110	Introduction to Astronomy	3		
*PHSX	205	College Physics I	3		
*PHSX	206	College Physics I Lab	1		
PHSX	207	College Physics II	3		
PHSX	208	College Physics II Lab	1		

Mathematics and Statistics Requirements (Select two courses, one from each rubric)

*M	161	Survey of Calculus	3		
*M	171	Calculus I	4		
*STAT	216	Introduction to Statistics	4		

Internship

Internship						
Earn a minin	Earn a minimum of two credits chosen from the following:					
BIOB or BIOB	298 498	Internship/Cooperative Education	2			
CHMY or CHMY	298 498	Internship/Cooperative Education	2			
ERTH	498	Internship/Cooperative Education	2			
GEO	498	Internship/Cooperative Education	2			
PHSX	498	Internship/Cooperative Education	2			

Upper Division Science Electives

Choose a minimum of 11 credits selected in consultation with advisor fr BIOM, BIOO, CHMY, ERTH, GEO, PHSX	om the f	ollowin	g rubrics: BC	H, BIOB, BIOE, BIOH,

BACHELOR OF SCIENCE DEGREE MAJOR IN BROADFIELD SCIENCE - TEACHING LICENSURE OPTION

Categories	Credits	Earned	Remaining
General Education	31		
Professional Education Core	41		
Biology	12		
Chemistry	14		
Earth Science	12		
Physics	11		
Mathematics/Statistics	7		
Internship	2		
Upper Division Electives	V		
Total	128		

*May satisfy General Education requirements.

Certain courses in this program have pre-requisites; students should check course descriptions for required pre-requisites.

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:

[^] Course requires a completed Federal Criminal Background Check in order to complete the required practicum hours within the class. Packets may be picked up at either the Advising Center in McMullen Hall or in the College of Education or can be printed off the website at http://www.msubillings.edu/coe/etp/FieldExper/FingerprintInfo.htm. The background check is only valid for 24 months.