



*Access & Excellence*

**MONTANA STATE UNIVERSITY-BILLINGS  
BACHELOR OF SCIENCE MAJOR IN MATHEMATICS  
GENERAL BULLETIN 2005-2007**

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Name \_\_\_\_\_

Student ID # \_\_\_\_\_

**GENERAL EDUCATION REQUIREMENTS – SEE PAGE 4 FOR SPECIFIC COURSES**

General Education Category	Course #	Credits	Grade	Semester	Equivalent
Category I: Writing (6 cr.)	ENGL 150				
Category II: Oral Skills (3 cr.)					
Category III: Mathematics ( 3 cr.) <i>MATH 112 - Major Requirement</i>					
Category IV: Natural Sciences (7 cr.) (1 life science/1 physical science/1 lab)					
Category V: Social Sciences (6 cr.) (2 courses from separate prefixes)					
Category VI: History (3 cr.)					
Category VII: Cultural Diversity (3 cr.)					
Category VIII: Fine Arts (3 cr.)					
Category IX: Integrated Humanities (3 cr.)					

**Students should consult with their advisors to determine if specific courses are necessary in order to satisfy the General Education requirements within this program.**

*Certain courses in this program have prerequisites; students should check the course descriptions for required prerequisites.*

**Reviewed:**

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<b>CATEGORY I: WRITING</b>			<b>6</b>
<b>University Honors Program students taking HIST 106 and 107 and HON 181 and 182 are credited with 3 credits of either ENGL 150 or ENGL 226.</b>			
<b>ENGL 150</b>	<b>College Composition</b>		<b>3</b>
ENGL 210	Technical Writing		3
ENGL 226	Research Writing		3
ENGL 301	Business Communications		3
ENGL 140	Business Writing		3
ENGL 145	Technical Communication		3
<b>CATEGORY II: ORAL SKILLS</b>			<b>3</b>
COMT 109	Human Relations		3
COMT 110	Interpersonal Communication		3
COMT 130	Introduction to Public Speaking		3
FREN 202	Intermediate French II		3
GERM 202	Intermediate German II		3
SPAN 202	Intermediate Spanish II		3
<b>CATEGORY III: MATHEMATICS</b>			<b>3</b>
FIN 201, 202, 203	Personal Financial Planning...		3
MATH 106	College Algebra		3
MATH 107	Precalculus		5
<b>MATH 112</b>	<b>Calculus I</b>		<b>4</b>
MATH 121	Finite Mathematics		4
MATH 122	College Mathematics for Technology		3
MATH 141	Contemporary Mathematics		3
MATH 161	Mathematics for Health Sciences		4
MATH 202	Math for Elementary Education II		3
STAT 141	Introduction to Statistics		3
STAT 241	Statistical Methods		4
<b>CATEGORY IV: NATURAL SCIENCE</b>			<b>7</b>
<i>Students are required to take one course from each subcategory and at least one corresponding lab or SCIN 101, 102 &amp; 103</i>			
<i>Subcategory A – Life Sciences</i>			
BIOL 101	Survey of Biology		3
BIOL 115	Survey of Biology Lab		1
BIOL 178	Principles of Biology		3
BIOL 188	Principles of Biology Lab		1
<i>Subcategory B – Physical Sciences</i>			
CHEM 104	Fund of General & Organic Chemistry		3
CHEM 105	Fund of General & Organic Chem Lab		1
CHEM 115	General Chemistry I		3
CHEM 118	General Chemistry I Lab		1
EASC 100	Lithosphere and Hydrosphere		3
EASC 101	Lithosphere and Hydrosphere Lab		1
EASC 120	Historical Geology & Paleontology		3
EASC 121	Historical Geology & Paleontology Lab		1
GEOG 100	Physical Geography Lab		1
GEOG 101	Physical Geography		3
PHYS 101	Earth, Air, Fire and Water		3
PHYS 102	Earth, Air, Fire and Water Lab		1
PHYS 110	College Physics I		3
PHYS 111	College Physics I Lab		1
PHYS 201	Introduction to Astronomy		3
PHYS 203	Introduction to Astronomy Lab		1
SCIN 101, 102, 103	Integrated Science I, II, III		3, 1, 3
<b>CATEGORY V: SOCIAL SCIENCE</b>			<b>6</b>
<i>Two courses from separate prefixes</i>			
BUS 101	Introduction to Business		3
ECON 200	Principles of Microeconomics		3
ECON 201	Principles of Macroeconomics		3
EDF 100	Educ Persons for a Democratic Society		3
POLS 101	Introduction to Government		3
POLS 212	United States Government		3
PSYC 101	General Psychology		3

SOCL 101	Introduction to Sociology	3
SOCL 212	Physical Anthropology & Archeology	3
SOCL 221	Social Problems	3

<b>CATEGORY VI: HISTORY</b>			<b>3</b>
HIST 104	History of World Civilization to 1500		3
HIST 105	History of World Civilization Since 1500		3
HIST 106	Honors: History of Western Civ to 1500		3
HIST 107	Honors: History of Western Civ since 1500		3
HIST 109	Current World Problems		3
HIST 204	United States History to 1877		3
HIST 205	United States History Since 1877		3
POLS 221	International Relations		3

<b>CATEGORY VII: CULTURAL DIVERSITY</b>			<b>3</b>
ART 131	Global Visual Culture		3
A&SC/SOCL 250	Women, Culture and Society		3
COMT 160	Introduction to Intercultural Communication		3
GEOG 102	World Geography		3
GEOG 120	Environment and Culture		3
HIST 451	History of Islamic Civilization		3
HIST 453	The Middle East in the Twentieth Century		3
MUSC 150	Musics of the World		3
NAMS 181	Introduction to Native American Studies		3
NAMS 211	Social Issues of the Native American		3
PHIL 105	The Religious Quest		3
PHIL 233	Philosophies & Religions of India		3
PHIL 234	Phil & Religions of China, Tibet & Japan		3
SOCL 211	Cultural Anthropology		3
SPAN 150	The Hispanic Tradition		3

<b>CATEGORY VIII: FINE ARTS</b>			<b>3</b>
<b>University Honors Program students taking HIST 106 and 107 and HON 181 and 182 count 3 of those credits toward the Fine Arts Category.</b>			
ART 110	Art Studio Essentials for Non-Art Majors		3
ART 142	Introduction to Pottery		3
ART 161	Introduction to Drawing		3
COMT 150	Introduction to Theatre and Performance		3
COMT 155	Global Cinema		3
COMT 250	Introduction to Acting		3
ENGL 160	Reading and Responding to Literature		3
ENGL 204	Fundamentals of Creative Writing		3
ENGL 280	Fiction into Film		3
MUSC 100	Music Appreciation		3
MUSC 160/360	Symphonic Band		1
MUSC 162/362	Concert Choir		1
MUSC 168/368	Jazz Ensemble		1
PHIL 303	Classical Mythology		3
DSGN 248	CAD Presentations		3

<b>CATEGORY IX: INTEGRATED HUMANITIES</b>			<b>3</b>
ART 132	Art History Survey		3
ENGL 260	World Foundations of Literature		3
HON 181	The Ancient and Medieval Worlds		3
HON 182	The Renaissance and Modern Worlds		3
MUSC 340	Music History to 1750		3
MUSC 341	Music History 1750 to the Present		3
PHIL 107	Philosophical Inquiry		3
PHIL 115	Ethics		3
PHIL 117	Philosophies of Life		3
PHIL/ENGL 240	The Bible as Literature		3
PHIL 250	Christianity		3
PHIL 301	Death, Dying, and Medical Ethics		3
PHIL 311	Environmental Ethics		3
PHIL 314	Business Ethics		3



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**BACHELOR OF SCIENCE DEGREE IN MATHEMATICS**

<b>Categories</b>	<b>Credits</b>	<b>Earned</b>
General Education	37	_____
Mathematics Major	41	_____
Language Requirement	8	_____
Minor (Optional)	21	_____
Electives (may vary)	13	_____
Total	120	_____

**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).**

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**NOTES:**