



**MOUNT MARY COLLEGE
CURRICULUM SHEET**

For Office Use Only

Credits accepted Credit in progress Processed on Assessed by Approved by _____
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STUDENT _____ ID _____

Previous Institutions:

MAJOR: Chemistry Broad Field Science Education EA/A Total Major Credits: 105

Min. of 128 credits for graduation

9/06 ACD-tec

CORE REQUIREMENTS - 48 total core credits		Tm	Gr	Cr
SYNOPTICS (min 10 credits) <input type="checkbox"/> fulfilled _____				
SYN 101 Search for Meaning (4 cr.)				
Theology (min 3 cr.)				
Philosophy (min 3 cr.)				
SYMBOLICS (min 6 credits) <input type="checkbox"/> fulfilled _____				
SYM 102 Composition II (3 cr.)				
COM 210 Speech Com. for Ed (2cr.)				
CSC 205 Computers and their uses (4cr.)				
ESTHETICS (min 9 credits) <input type="checkbox"/> fulfilled _____				
Fine Arts (min 3 cr.)				
Literature (min 3 cr.)				
ART 235 History of Non-Western Art (2 cr.) OR MUS 328 Music Cultures of the Western World (2 cr.)				
HUMANISTICS (min 9 credits) <input type="checkbox"/> fulfilled _____				
HIS 153 US History I (4 cr.) OR HIS 154 US History II (4 cr.)				
Behavioral Science (min 3 cr.)				
POS 213 American Government (4cr.)				
EMPIRICS (min 3 credits) <input type="checkbox"/> fulfilled _____				
CHE 113 Chemical Principles I (4 cr.)				
MATH COMPETENCY <input type="checkbox"/> fulfilled _____				
LEADERSHIP COMPETENCY <input type="checkbox"/> fulfilled _____ <input type="checkbox"/> waived				
EDU 246 Multicultural Leadership for Social Justice (3 cr.)				
ELECTIVES				
SYM 101 Composition I (3 cr.)				

Tm	Gr	Cr	MAJOR COURSES REQUIRED
			BIO 103 Introductory Biology © (4 cr.)
			Biology electives 12 credits, 4 credits above 200 level, recommend: BIO 214 (4 cr.), BIO 215 (4 cr.), BIO 337 (4 cr.) or BIO 457 (4 cr.)
			CHE 113 Chemical Principles I © (4 cr.)
			CHE 114 Chemical Principles II (4 cr.)
			CHE 222 Instrumental Quantitative Analysis (4 cr.)
			CHE 333 Organic I (4 cr.)
			CHE 334 Organic II (4 cr.)
			CHE 352 Biochemistry (4 cr.)
			CSC 204 Computers for Educators © (2 cr.) OR CSC 205 Computers & Their Uses © (4 cr.)
			PHY 201 Physics I © (4 cr.)
			PHY 202 Physics II © (4 cr.)
			Earth Science 8 Credits from: GEO 112 Intro Geosciences (4 cr.), OR PHY210 Astronomy (2 cr.), OR PHY 211 Meteorology (2 cr.), OR SCI 301 Natural Science Field Studies: Glaciers, Geysers & Gold (4 cr.), OR SCI 302 Natural Science Field Studies: Canyons, Cataracts, Cadillac Desert (4 cr.) OR SCI 303 Natural Science Field Study: Mt. Rainier, Redwoods & Rainforests (4 cr.)
			MAT 207 Basic Statistics © (3 cr.) OR MAT 216 Elementary Statistics © (4 cr.)
			EDU 200 Orientation to Teaching (1 cr.)
			EDU 245 Teaching in Multicultural Society (Fieldwork) (2 cr.) OR EDU 246 Multicultural Leadership for Social Justice (3 cr.)
			EDU 303 Teaching Reading & Lang Arts in Early Adol/Adol-I(3 cr.)
			EDU 311 Child & Adolescent Development (3 cr.)
			EDU 321 Psych Applied To Teaching (4 cr.)
			EDU 322 Inst. Methods: General (4 cr.)
			EDU 324 Inst. Methods: Broad Field Science (2-6 cr.)
			EDU 401 Student Teaching Seminar (1 cr.)
			EDU 403 Teaching Reading & Lang Arts in Early Adol/Adol-II(3 cr.)
			EDU 405 Intro to Exceptional Learners (3-4 cr.)
			EDU 410 Foundations of Education (2 cr.)
			EDU 482 Std. Teaching in Elem. School (6 cr.)
			EDU 489 Std Teaching in Middle School (6 cr.)
			GEO 210 Understanding the Environment (2 cr.)
			Must Take a Course which focuses on a Non western Culture

Suggested Curriculum for Chemistry Broad Field Science Education

<u>First Semester</u>		<u>Freshman Year</u>		<u>Second Semester</u>	
__ SYM 101 College Composition I	3	__ SYM 102 Composition II	3	__ SYN 101 Search for Meaning	4
__ EDU 246 Multicultural Leadership	3	__ BIO 200 or above	4	__ CHE 114 Chemical Principles II	4
__ CSC 204 Computers for Educations	2	__ PHY 211em Meteorology	2		
__ BIO 103 Introductory Biology	4				
__ CHE 113 Chemical Principles I	4				
Semester credits 16			Semester credits 17		

Summer: two 4 credit core courses

<u>Sophomore Year</u>			
__ COM 210sb Communication for Teachers	2	__ CHE 334 Organic Chemistry II	4
__ CHE 333 Organic Chemistry I	4	__ CHE 352 Biochemistry	4
__ BIO 200 or above	4	__ PHY 202 em General Physics II	4
__ PHY 201em General Physics I	4	__ Core	4
__ GEO 210 Understanding the Environment	2		
Semester credits 16		Semester credits 16	

Summer: two 4 credits core courses

<u>Junior Year</u>			
__ EDU311 Child & Adoles. Develop	3	__ EDU 303 Tchg. Reading I	3
__ EDU 321 Psych Applied to Tchg.	4	__ EDU 322 Instruct. Methods-Gen	4
__ CHE 222 Instrumental Quant. Anal.	4	__ EDU 324 Instruct. Methods	2
__ BIO 200 or above	4	__ GEO 112 Intro. Geoscience	4
__ PHY 210 Astronomy	2	__ Core	4
Semester credits 17		Semester credits 17	

<u>Senior Year</u>			
__ EDU 401 Seminar	1	__ EDU 403 Tchg. Reading II	3
__ Student Teaching	12	__ EDU 405 Intro to Except Lnrs	3
(No additional credits may be taken during student teaching)		__ EDU 410 Foundations of Educ	2
		__ Core	4
		__ Core	4
Semester credits 13		Semester credits 16	

Core courses required in addition to the above: Theology s, Philosophy s, HIS 153 or 154, POS 213, Behavioral Science h, 2 literature and one fine arts or 1 literature and 2 fine arts.