

MISSOURI WESTERN STATE UNIVERSITY

Major Declaration Four Year Program

Student Name _____

Address _____
Street City State ZIP

Telephone _____ G# _____

Students are expected to read the regulations and policies in both the **University Catalog** and **Student Handbook** and to conform to them. The student, not the University or a member of the faculty or staff, is primarily responsible for knowing the regulations and policies, and for meeting the requirements for a degree or certificate.

PREPARATORY COURSES (Do not count towards General Studies. RDG095, MAT081/082/083 or equivalent do not count toward graduation requirements.)

Based on placement criteria.	Credits	Grade
MAT 081 or equivalent	3	_____
MAT 082 or equivalent	3	_____
MAT 083 or equivalent	3	_____
ENG 100	3	_____
RDG 095	3	_____

GENERAL STUDIES (42-46 Credits)

CATEGORY ONE: BASIC SKILLS (12-14 credits)

1. MAT110 or MAT112 or MAT116 or MAT130 or MAT137 or MAT147 or MAT167	3/4/5	_____
2. ENG104 and 108 or ENG112	6	_____
3. COM104	3	_____

CATEGORY TWO: NATURAL SCIENCES (8-10 credits)

Minimum of 8 credits from TWO of the following groups.

1. BIO101 or 105	5	_____
2. CHE101(4) or 104(5) or 111(5)	4/5	_____
3. ESC111	4	_____
4. PHY101(4) or 107(4) or 110(4) or 210(5)	4/5	_____
5. PHY104	4	_____

CATEGORY THREE: SOCIAL SCIENCES (9 credits)

Minimum of 9 credits with at least one course from each of the two following groups.

1. ECO101 or 260 or 261 or GEO100 or PSY101 or SOC110 or 120	3	_____
2. HIS140 or 150 or PSC101	3	_____
3. Additional course from group 1 or 2	3	_____

CATEGORY FOUR: HUMANITIES (9 credits)

One course each from three of the following four groups.

1. HIS200 or 210 or 230 or HUM203 or 204 or 205	3	_____
2. ENG210 or 220 or PHL210 or 230 or HUM250	3	_____
3. ART100 or MUS101 or THR113	3	_____
4. FRE/GER/SPA100 or any higher level 3-credit language course	3	_____

CATEGORY FIVE: PHYSICAL HEALTH (4 credits)

1. PED101	3	_____
2. MIL105 or any PE lifetime sports activity class	1	_____

LAS AREAS OF FOCUS Course ID

- LAS Writing Intensive _____
- LAS Computer Literacy _____

TR beside grade denotes that transfer work fulfills course requirements.

Degree / Program:	B.S. – Biology	51
Major:	Biochemistry and Molecular Biology	
Concentration:	ACS Certification	
Minor:		
Catalog Year:	2011-2012	Expires: 2017-2018

Advisor _____ Department _____

Student's Signature _____ Date _____

Advisor's Signature _____ Date _____

Chairperson's Signature _____ Date _____

Registrar's Signature _____ Date _____

DEGREE REQUIREMENTS

Check when the requirement is completed.

- A minimum of 124 credits is required for graduation (including 60 from a senior college).
- For the baccalaureate degree, 30 of the last 45 credits of course work must be earned at MWSU with a minimum of 30 credits in upper division courses. Lower division transfer courses accepted as meeting upper division departmental course requirements cannot be used to fulfill this requirement.
- Participation in departmental and campus wide assessment efforts is required. Contact the Academic Affairs Office for more information.
- Complete the requirements below.

MAJOR REQUIREMENTS (83 Credits)		Credit	Grade
BIO105	Principles of Organismal Biology	5	
BIO106	Principles of Cell Biology	4	
BIO205	Genetics	4	
BIO225	Evolutionary Ecology	4	
BIO331	Bioinformatics	2	
BIO431	Molecular Biology	4	
CHE111	General Chemistry I	5	
CHE120	General Chem. II w/ Qualitative Analysis	5	
CHE310	Organic Chemistry I	3	
CHE311	Organic Chemistry Lab I	2	
CHE321	Quantitative Analysis	4	
CHE383/384	P-Chem: Thermodynamics*/Lab	5	
CHE370	Biochemistry	4	
CHE470	Biochemistry II	3	
CHE495	Seminar in Chemistry	2	
PHY210/ 211	University Physics I/II* (10)	10	
MAT167	Calculus w/Analytic Geometry I	5	
TOTAL		71	
Electives - Complete a minimum of twelve (12) credits from Biology and/or Chemistry courses numbered 300 or higher:			
TOTAL		12	
ACS (American Chemical Society) Certification courses:			
CHE312/313	Organic Chemistry II/Laboratory	5	
CHE381/382	P-Chem: Dynamics/Quantum/Lab	5	
CHE426	Instrumental Methods	5	
CHE441	Advanced Inorganic Chemistry	3	
TOTAL		18	

*Indicates a prerequisite for the course.

This form is not official until signed by the Registrar.