

# 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)

- MAT110 or MAT112 or MAT116 or MAT130 or MAT137 or MAT147 or MAT167 3/4/5 \_\_\_\_\_
- ENG104 and 108 or ENG112 6 \_\_\_\_\_
- COM104 3 \_\_\_\_\_

#### CATEGORY TWO: NATURAL SCIENCES (8-10 credits)

Minimum of 8 credits from TWO of the following groups.

- BIO101 or 105 5 \_\_\_\_\_
- CHE101(4) or 104(5) or 111(5) 4/5 \_\_\_\_\_
- ESC111 4 \_\_\_\_\_
- PHY101(4) or 107(4) or 110(4) or 210(5) 4/5 \_\_\_\_\_
- PHY104 4 \_\_\_\_\_

#### CATEGORY THREE: SOCIAL SCIENCES (9 credits)

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

- ECO101 or 260 or 261 or GEO100 or PSY101 or SOC110 or 120 3 \_\_\_\_\_
- HIS140 or 150 or PSC101 3 \_\_\_\_\_
- Additional course from group 1 or 2 3 \_\_\_\_\_

#### CATEGORY FOUR: HUMANITIES (9 credits)

One course each from three of the following four groups.

- HIS200 or 210 or 230 or HUM203 or 204 or 205 3 \_\_\_\_\_
- ENG210 or 220 or PHL210 or 230 or HUM250 3 \_\_\_\_\_
- ART100 or MUS101 or THR113 3 \_\_\_\_\_
- FRE/GER/SPA100 or any higher level 3-credit language course 3 \_\_\_\_\_

#### CATEGORY FIVE: PHYSICAL HEALTH (4 credits)

- PED101 3 \_\_\_\_\_
- 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.

<b>Degree / Program:</b>	B.S. – Biology	5H
<b>Major:</b>	Biochemistry and Molecular Biology	
<b>Minor:</b>		
<b>Catalog Year:</b> 2011-2012	<b>Expires:</b> 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 (80-83 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 Chemistry II w/ Qual. Analysis	5	
CHE310 Organic Chemistry I	3	
CHE311 Organic Chemistry Lab I	2	
CHE321 Quantitative Analysis	4	
CHE340 Physical Chem. for the Bio.Sciences (4)	OR 4-5	
CHE383/384 P-Chem: Thermodynamics */Lab (5)		
CHE370 Biochemistry	4	
CHE470 Biochemistry II	3	
CHE495 Seminar in Chemistry	2	
PHY110/ 111 College Physics I/II (8)	OR 8-10	
PHY210/ 211 University Physics I/II (10)		
MAT167 Calculus w/Analytic Geometry I	5	
<b>TOTAL</b>	<b>68-71</b>	

**Electives** - Complete a minimum of **twelve (12)** credits from Biology and/or Chemistry courses numbered 300 or higher:

<b>TOTAL</b>	<b>12</b>	

\*Prerequisite MAT177

CHE383 may not be used as an elective course if CHE340 is taken as a core requirement.

CHE426 may not be taken as an elective if CHE326 is taken.

**This form is not official until signed by the Registrar.**