

# MISSOURI WESTERN STATE UNIVERSITY

## PRE-MAJOR FORM

Student Name: \_\_\_\_\_

Address: \_\_\_\_\_  
 Street City State ZIP

Telephone: \_\_\_\_\_ ID# \_\_\_\_\_

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
MAT081 or equivalent	3	_____
MAT082 or equivalent	3	_____
MAT083 or equivalent	3	_____
ENG100	3	_____
RDG095	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 transfer work fulfills course requirements.*

<b>Degree/Program:</b>	Pre-Major: B.S. – Mathematics	24A
<b>Major:</b>	Mathematics	
<b>Minor:</b>		
<b>Catalog Year:</b> 2009-2010	<b>Expires:</b> 2012-2013	

Advisor: \_\_\_\_\_ Date: \_\_\_\_\_

Student's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Advisor's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Chairperson's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

### DEGREE REQUIREMENTS

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

### ADMISSION REQUIREMENTS

Completion of MAT 167 with a grade of C or better.			
		Credit	Grade
MAT167	Calculus with Analytic Geometry I	5	

ACT Mathematics score of 28 or higher

## REQUIREMENTS FOR THE MAJOR

Student Name \_\_\_\_\_

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

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- COM104 3 \_\_\_\_\_

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- ESC111 4 \_\_\_\_\_
- PHY101(4) or 107(4) or 110(4) or 210(5) 4/5 \_\_\_\_\_
- PHY104 4 \_\_\_\_\_

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<b>Degree:</b>	B.S. – Mathematics	24A
<b>Major:</b>	Mathematics	
<b>Minor:</b>		
<b>Catalog Year:</b> 2009-2010	<b>Expires:</b> 2015-2016	

Advisor \_\_\_\_\_ Department \_\_\_\_\_

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).
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- Complete the requirements below.

### MAJOR REQUIREMENTS (51 Credits)

		Credit	Grade
CSC184	Computing Concepts I	3	
MAT167	Calculus with Analytic Geometry I	5	
MAT177	Calculus with Analytic Geometry II	5	
MAT208	Discrete Mathematics	3	
MAT287	Calculus with Analytic Geometry III	5	
MAT306	Matrix Algebra	3	
MAT317	Differential Equations	3	
MAT331	Applied Statistics	3	
MAT416	Abstract Algebra	3	
MAT480	Math.Connections from an Adv. Perspective	3	

**REQUIRED 2-COURSE SEQUENCE (Select A OR B) 6 credits:**

<b>A.</b> MAT332	Probability Theory	3	
MAT432	Mathematical Statistics	3	
<b>B.</b> MAT315	Topics in Geometry	3	
MAT465	Math. Teaching: Methods & Materials*	3	

*\*Only appropriate for the major in Mathematics with teacher certification*

<b>ADDITIONAL COURSES:</b>			
MAT3xx	Numbered 300 or above	3	
<b>Six credits selected from:</b>			
MAT3xx	Numbered 300 or above	1-3	
PHY312	University Physics III	3	
PHY410	Selected Topics in Physics	3	
PHY450	Independent Research/Project	1-3	
CSC318	Simulation and Modeling	3	
CSC328	Computer Graphics	3	
<b>TOTAL</b>		<b>51</b>	

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