

MISSOURI WESTERN STATE UNIVERSITY

PRE-MAJOR FORM

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
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.

Degree/Program:	Pre-Major: B.S. – Mathematics	25A
Major:	Mathematics	
Minor:		
Catalog Year: 2011-2012	Expires: 2014-2015	

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 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 _____

G# _____

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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 that transfer work fulfills course requirements.

Degree:	B.S. – Mathematics	25A
Major:	Mathematics	
Minor:		
Catalog Year: 2011-2012	Expires: 2017-2018	

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).
- 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 Affairs Office for more information.
- 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	
MAT206	Mathematical Transitions	3	
MAT287	Calculus with Analytic Geometry III	5	
MAT306	Matrix Algebra	3	
MAT317	Differential Equations	3	
MAT331	Applied Statistics	3	
MAT416	Abstract Algebra	3	
MAT3xx	Numbered 300 or above	3	
MAT4xx	Numbered 400 or above	3	
REQUIRED 2-COURSE SEQUENCE (Select A OR B) 6 credits:			
A.	MAT332 Probability Theory	3	
	MAT432 Mathematical Statistics	3	
B.	MAT315 Topics in Geometry	3	
	MAT465 Math. Teaching: Methods & Materials*	3	
<i>*Only appropriate for the major in Mathematics with teacher certification</i>			
Six credits selected from:			
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	
TOTAL		51	

A grade of C or higher is required in all major courses.

This form is not official until signed by the Registrar.