



## 2005 – 06 PETITION/PROGRAM SHEET

### Degree: Bachelor of Arts

### Major: Liberal Arts: Mathematics – Leading to Elementary Teacher Licensure

[www.mesastate.edu/schools/shss/education/liberal-arts-degree.htm](http://www.mesastate.edu/schools/shss/education/liberal-arts-degree.htm)

#### About This Major . . .

The Center for Teacher Education offers an innovative, holistic program of study that leads to licensure in Colorado for Elementary Education (grades K-6). At Mesa State, we pride ourselves on the personal touch. Our professors are experienced, knowledgeable, accessible, and intensely dedicated to the improvement of public education. Faculty offer one-on-one guidance for course selection, field placements, student teaching, and employment. Our motto is "Educators as Innovators," which means we are always looking for ways to improve the quality of learning in our programs and in the schools in which we work.

As a student, you will gradually accumulate over 200 hours of classroom experience before beginning student teaching. School Districts throughout western Colorado provide opportunities to gain experience with children of all ages and backgrounds in a variety of school settings.

The elementary licensure track program is designed to provide teacher education candidates broad-field content knowledge and train them as future teachers for grades K-6 State of Colorado endorsement (teaching license) in this content area. A minimum of 60 credit hours of general education and content area coursework must be completed with a minimum GPA of 2.80 before a candidate may apply for admission to the Center for Teacher Education elementary licensure program. Please see the Teacher Education Admission Packet for further information on admissions criteria.

#### POLICIES:

1. It is your responsibility to determine whether you have met the requirements for your degree. Please see your MSC Catalog for a complete list of graduation requirements.
2. You must go to the Registrar's Office and fill out the "Intent to Graduate" form **at the beginning of the semester prior to graduating.**
3. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to graduating, no later than September 15 for Spring graduates, February 15 for Fall graduates.**
4. Your advisor will sign and forward the Program Sheet, Intent to Graduate Form, and Graduation Planning Sheet to the Department Head for signature.
5. Finally, the Department Head or the department administrative assistant will take the signed forms to the Registrar's Office. (Students cannot handle the forms once the advisor signs.)
6. If your petition for graduation is denied, it will be your responsibility to reapply for graduation in a subsequent semester. Your "Intent to Graduate" does not automatically move to a later graduation date.

NAME: \_\_\_\_\_ STUDENT ID # \_\_\_\_\_

LOCAL ADDRESS AND PHONE NUMBER: \_\_\_\_\_

\_\_\_\_\_, ( ) \_\_\_\_\_

I, (Signature) \_\_\_\_\_, hereby certify that I have completed (or will complete) all the courses listed on the Program Sheet. I further certify that the grade listed for those courses is the final course grade received except for the courses in which I am currently enrolled and the courses which I complete next semester. I have indicated the semester in which I will complete these courses.

\_\_\_\_\_  
Signature of Teacher Education Advisor

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Content Advisor

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Department Head

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature of Registrar

\_\_\_\_\_  
Date

- Must earn 125-126 semester hours and meet the academic residency requirements to earn a baccalaureate degree at Mesa State College.
- Must earn a minimum of 40 semester hours in upper division courses (i.e., 300-level and 400-level courses).
- A cumulative grade point average of 2.8 or higher must be maintained for each of 3 areas: content courses, education courses and overall g.p.a.
- When filling out this program sheet a course can only be used once, i.e., no double counting is allowed between categories.
- Excess HPWE courses beyond the two required and pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- All degree requirements must be completed as described. Any exceptions or substitutions must be recommended in advance by the faculty advisor, approved by the Department Head and the Teacher Education Department.
- It is recommended that students work closely with a faculty advisor when selecting courses and scheduling classes prior to registration.
- Students must PASS the PLACE or PRAXIS II exam in the content area prior to commencing the internship. Also, ALL other coursework toward the degree must be successfully completed prior to the internship.

#### General Education Requirements (Minimum of 33 semester hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs
<b>English:</b> ENGL 111 and 112 (6 semester hours, must receive a grade of "B" or higher, must be completed by the time the student has 60 semester hours.)						
*#ENGL	_____	<u>3</u>	_____	_____	_____	_____
*#ENGL	_____	<u>3</u>	_____	_____	_____	_____
*ENGL 129, Honors English, may be substituted for ENGL 111 and ENGL 112. Must earn a grade of "B" or better. May need to take additional electives.						

**Math:** MATH 205 (3 semester hours) Must be taken after MATH 105. Must receive a grade of "C" or better. Must be completed by time the student has 60 semester hours.

MATH	<u>205*</u>	<u>3</u>	_____	_____	_____	_____
------	-------------	----------	-------	-------	-------	-------

#### Humanities: (6 semester hours)

HIST	<u>131</u>	<u>3</u>	_____	_____	_____	_____
------	------------	----------	-------	-------	-------	-------

ENGL**	_____	<u>3</u>	_____	_____	_____	_____
--------	-------	----------	-------	-------	-------	-------

\*\*Choose from 131, 132, 150, 222, 231, 232, 254, 255, 261, 262.

Course	No.	Credit	Grade	Term	Year	Trns/Subs
<b>Social and Behavioral Sciences:</b> (6 Semester Hours)						
#PSYC	<u>233</u>	<u>3</u>	_____	_____	_____	_____
GEOG	<u>103</u>	<u>3</u>	_____	_____	_____	_____

#### Fine Arts: (3 semester hours)

_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____

#### Natural Sciences: (6-7 semester hours)

(At least one course must include a lab)

BIOL	<u>101</u>	<u>3</u>	_____	_____	_____	_____
BIOL	<u>101L</u>	<u>1</u>	_____	_____	_____	_____
PHYS	<u>100 OR</u>	_____	_____	_____	_____	_____
	<u>105 &amp;</u>	_____	_____	_____	_____	_____
	<u>105L</u>	<u>3</u>	_____	_____	_____	_____

#### Applied Studies: (3 semester hours)

#SPCH	<u>102</u>	<u>3</u>	_____	_____	_____	_____
-------	------------	----------	-------	-------	-------	-------

# Must receive a grade of "B" or higher.

#### Other Requirements (9 semester hours)

##### Human Performance and Wellness: (3 Semester Hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs
HPWA	<u>100</u>	<u>1</u>	_____	_____	_____	_____
HPWE	_____	<u>1</u>	_____	_____	_____	_____
HPWE	_____	<u>1</u>	_____	_____	_____	_____

See the M.S.C. catalog for the list of approved HPWE Activity courses.

##### Bachelor of Arts Degree Distinction: (6 semester hours)

(Two **consecutive** classes in the **same** foreign language.)

Course	No.	Credit	Grade	Term	Year	Trns/Subs
FLA	_____	<u>3</u>	_____	_____	_____	_____
FLA	_____	<u>3</u>	_____	_____	_____	_____

(FLAS 114 & 115 will **NOT** fulfill this requirement.) (**Must** receive a grade of "C" or above.)

#### MAJOR REQUIREMENTS: LIBERAL ARTS CORE (36 Semester Hours)

##### Literacy: (9 semester hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs
ENGL	<u>240</u>	<u>3</u>	_____	_____	_____	_____
ENGL	<u>245</u>	<u>3</u>	_____	_____	_____	_____
ENGL	<u>343</u>	<u>3</u>	_____	_____	_____	_____

##### Mathematics: (6 semester hours)

MATH	<u>105</u>	<u>3</u>	_____	_____	_____	_____
MATH	<u>301</u>	<u>3</u>	_____	_____	_____	_____

##### Human Performance and Wellness: (3 semester hours)

HPWA	<u>320</u>	<u>3</u>	_____	_____	_____	_____
------	------------	----------	-------	-------	-------	-------

##### Social Sciences: (9 semester hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs
POLS	<u>101</u>	<u>3</u>	_____	_____	_____	_____
ECON	<u>201</u>	<u>3</u>	_____	_____	_____	_____
HIST	<u>225</u>	<u>3</u>	_____	_____	_____	_____

##### Science: (6 semester hours)

CHEM	<u>100</u>	<u>3</u>	_____	_____	_____	_____
GEOL	<u>100</u>	<u>3</u>	_____	_____	_____	_____

##### Art: (3 semester hours)

ARTE	<u>410*</u>	<u>3</u>	_____	_____	_____	_____
------	-------------	----------	-------	-------	-------	-------

\*Prerequisites: EDUC 211, EDUC 341, EDUC 343

**MATH CONTENT AREA** (15 semester hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs	Course	No.	Credit	Grade	Term	Year	Trns/Subs
<b>Required Courses:</b> (12 semester hours)							<b>Concentration:</b> 3 semester hours chosen from MATH 369, MATH 305, or STAT 311 (make sure all prerequisites are met):						
STAT	200	3							3				
CSCI	110	3											
*Select one of the following: MATH 151 or MATH 146													
*MATH		5											
MATH	394	1											

**EDUCATION AND LICENSURE REQUIREMENTS:** (32 Semester Hours)

\***Prerequisites:** ENGL 111, ENGL 112, SPCH 102, PSYC 233 (all with a grade of B or better) and MATH 105 with a grade of C or better.

Course	No.	Credit	Grade	Term	Year	Trns/Subs	Course	No.	Credit	Grade	Term	Year	Trns/Subs
EDUC	211*	2					EDUC	451	3				
EDUC	341	3					EDUC	461	3				
EDUC	343	3					EDUC	499C	12				
EDUC	441	6											

**GRADUATION INFORMATION**

See the "Undergraduate Graduation Requirements" in the Mesa State College catalog for additional graduation information.

**A 2.8 Minimum Cumulative Grade Point Average is required.**

**GENERAL EDUCATION REQUIREMENTS** (Minimum 33 Semester Hours)

**The following courses are required for this major and may be used to satisfy the General Education Requirements.**

**English – 6 Semester Hours**

ENGL 111 and ENGL 112 or ENGL 129 (*by permission*)

(Must be **completed** before student has 60 semester hours. Must receive grade of "B" or higher.)

**Mathematics – 3 Semester Hours:**

MATH 205 Elements of Mathematics II

(Must be **completed** after MATH 105. Must receive grade of "C" or higher.)

**Humanities – 6 semester hours**

HIST 131 U.S. History and

**Choose one course from:** ENGL 131, ENGL 132, ENGL 150, ENGL 222, ENGL 231, ENGL 232, ENGL 254, ENGL 255, ENGL 261, ENGL 262

**Social and Behavioral Sciences – 6 semester hours**

PSYC 233 Human Growth and Development (Must receive a grade of "B" or higher.)

GEOG 103 World Regional Geography

**Fine Arts – 3 semester hours** (See current Mesa State College for list of eligible General Education Fine Arts courses.)**Natural Sciences – Minimum 6 semester hours, 7 actual semester hours of specific courses** (At least one course must include a lab.)

BIOL 101 General Human Biology

BIOL 101L General Human Biology Lab

PHYS 100 Concepts of Physics **OR** PHYS 105 and PHYS 105L Physics by Inquiry

**Applied Studies – 3 semester hours**

SPCH 102 Speechmaking (Must receive a grade of "B" or higher.)

**OTHER REQUIREMENTS** (9 Semester Hours)**Human Performance and Wellness – 3 Semester Hours**

Each student must take HPWA 100 together with two HPWE Activity courses. See current catalog for listing.

**Degree Distinction – 6 Semester Hours**

\*(Two **consecutive** classes in the same foreign language.) Select from one of the following sequences:

FLAF 111 *followed by* FLAF 112 **or** FLAG 111 *followed by* FLAG 112

Or FLAS 111 *followed by* FLAS 112 **or** FLAS 117 *followed by* FLAS 118

\*(FLAS 114 & 115 will **NOT** fulfill this requirement. Two **consecutive** classes in the **same** foreign language. **Must** receive a grade of "C" or above in **both** classes.)

## **Liberal Arts: Math – Leading to Elementary Teacher Licensure (83 Semester Hours)**

### **Liberal Arts Core:** (36 Semester Hours)

#### **Literacy:** (9 semester hours)

ENGL 240 Children's Literature

ENGL 245 Imaginative Writing

ENGL 343 Language Systems and Linguistic Diversity

#### **Mathematics:** (6 semester hours)

MATH 105\* Elements of Mathematics I

MATH 301 Math for Elementary Teachers

\*MATH 105 (Liberal Arts Core) and MATH 205 (Math General Ed) will be replaced by

MATH 105 Honors and MATH 205 Honors for Elementary Education Candidates who are choosing the Math Content Area

#### **Social Science:** (9 semester hours)

POLS 101 American Government

ECON 201 Principles of Macroeconomics

HIST 225 History of Colorado

#### **Science:** (6 semester hours)

CHEM 100 Chemistry and Society

GEOL 100 Survey of Earth Science

#### **Human Performance and Wellness:** (3 semester hours)

HPWA 320 Elementary Physical Education

#### **Art:** (3 semester hours)

ARTE 410 Elementary Art Methods

### **Math Content Area:** (15 Semester Hours)

#### **Required Courses:** (12 semester hours)

STAT 200 Probability and Statistics

CSCI 110 Beginning Programming

MATH 151 Calculus I or MATH 146 Calculus for Biological Sciences

MATH 394 Mathematics Colloquium

#### **Concentration:** (3 semester hours)

Choose one course from the following:

MATH 305 Euclidean Geometry

MATH 369 Discrete Structures

STAT 311 Statistical Methods

### **Elementary Education Requirements** (32 semester hours – 840 Field Experience Hours)

EDUC 211 Foundations of Education	2 semester hours	20 Field Experience Hours
EDUC 341 Pedagogy & Assessment: Elementary	3 semester hours	20 Field Experience Hours
EDUC 343 Teaching to Diversity	3 semester hours	20 Field Experience Hours
EDUC 441 Methods of Teaching Language & Literacy	6 semester hours	} 180 Field Experience Hours
EDUC 451 Methods of Teaching Math: EC/EL	3 semester hours	
EDUC 461 Methods of Teaching Science/Social Studies	3 semester hours	
EDUC 499C Teaching Internship and Colloquium	12 semester hours	600 Field Experience Hours

**Students must PASS the PLACE or PRAXIS II exam in the content area prior to commencing the internship. Also, ALL other coursework toward the degree must be successfully completed prior to internship.**

# SUGGESTED COURSE SEQUENCING FOR A MAJOR IN LIBERAL ARTS MATH – LEADING TO ELEMENTARY TEACHER LICENSURE

## FRESHMAN YEAR

Fall Semester	Hours	Spring Semester	Hours
ENGL 111 English Composition	3	ENGL 112 English Composition	3
Degree Distinction (Foreign Language)	3	Degree Distinction (Foreign Language)	3
HIST 131 United States History	3	SPCH 102 Speechmaking	3
PSYC 233 Human Growth and Development	3	GEOL 100 Survey of Earth Science	3
PHYS 100 Concepts of Physics <b>OR</b>		MATH 105 Elements of Mathematics I	3
PHYS 105 Physics by Inquiry <b>AND</b>	2	KINA/HPWE Activity	<u>1</u>
PHYS 105L Physics by Inquiry Lab	1		16
KINA/HPWE Activity	<u>1</u>		
	16		

## SOPHOMORE YEAR

Fall Semester	Hours	Spring Semester	Hours
BIOL 101 General Human Biology	3	ENGL 240 Children's Literature	3
BIOL 101L General Human Biology Lab	1	HIST 225 History of Colorado	3
ENGL ____ General Education Humanities (English)	3	General Education Fine Arts	3
KINE/HPWA 100 Health and Wellness	1	MATH 151 Calculus I <b>or</b>	
STAT 200 Probability and Statistics	3	MATH 146 Calculus for Biological Sciences	5
MATH 205 Elements of Mathematics II	3	POLS 101 American Government	<u>3</u>
ECON 201 Principles of Macroeconomics	<u>3</u>		17
	17		

## JUNIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
EDUC 211 Foundations of Education	2	MATH 301 Mathematics for Elementary Teachers	3
EDUC 341 Pedagogy and Assessment: Elementary	3	ENGL 343 Language Systems/Linguistic Diversity	3
EDUC 343 Teaching to Diversity	3	ARTE 410 Elementary Art Methods	3
CSCI 110 Beginning Programming	3	KINE 320 Elementary Physical Education Methods	3
ENGL 245 Imaginative Writing	3	GEOG 103 World Regional Geography	3
MATH Concentration Course*	<u>3</u>	CHEM 100 Chemistry and Society	<u>3</u>
	17		18

## SENIOR YEAR

Fall Semester	Hours	Spring Semester	Hours
EDUC 441 Meth. of Teaching Language/Literature	6	EDUC 499C Teaching Internship/Colloq.: Elementary	<u>12</u>
EDUC 451 Methods of Teaching Math	3		
EDUC 461 Meth. of Teaching Science/Social Studies	3		
MATH 394 Mathematics Colloquium	<u>1</u>		
	13		

\*Chosen from MATH 369, MATH 305, or STAT 311