



## 2008 – 09 PETITION/PROGRAM SHEET

Degree: Associate of Science

Major: Liberal Arts

Emphasis: Mathematics

[www.mesastate.edu/main/academics/snsmlisting.htm#asmath](http://www.mesastate.edu/main/academics/snsmlisting.htm#asmath)

### About This Emphasis . . .

The Associate of Science (A.S.) degree is designed for students who intend to continue their education and obtain a baccalaureate degree. The A.S. is the appropriate choice for students who will take upper division coursework in mathematics, biological sciences, and physical sciences. The degree program includes the Colorado Statewide General Education Core and meets the lower division general education requirements at most public institutions in Colorado.

### POLICIES:

1. It is your responsibility to determine whether you have met the requirements for your degree. Please see the MSC Catalog for a complete list of graduation requirements.
2. You must turn in your "Intent to Graduate" form to the Registrar's Office **by September 15 if you plan to graduate the following May, and by February 15 if you plan to graduate the following December.**
3. This program sheet must be submitted with your graduation planning sheet to your advisor during the **semester prior to the semester of graduation, no later than October 1 for spring graduates, no later than March 1 for fall graduates.**
4. Your advisor will sign and forward the Program Sheet 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.
7. NOTE: The semester before graduation, you may be required to take a Major Field Achievement Test (exit exam).

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 Advisor

\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Date

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

\_\_\_\_\_  
Date

**Students should work closely with a faculty advisor when selecting and scheduling courses prior to registration.**

**Degree Requirements:**

- 60 semester hours are required for the Associate of Science degree. Must meet the academic residency requirements.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- 2.50 cumulative GPA or higher in all MSC coursework
- No more than one "D" may be used in the Mathematics area of emphasis and a grade point average of 2.5 or higher must be maintained for all coursework toward the major content area.
- A grade of "C" or higher must be earned in all general education courses in order to be accepted for the transfer under the Core Transfer Agreements.
- Program sheets are for advising purposes only. Because a program may have requirements specific to the degree, check with your advisor for additional guidelines, including prerequisites, grade point averages, grades, exit examinations, and other expectations. It is the student's responsibility to be aware of, and follow, all guidelines for the degree being pursued. Any exceptions or substitutions must be approved by the faculty advisor and/or Department Head.
- When filling out the program sheet a course can be used only once.
- See the "Undergraduate Graduation Requirements" in the Mesa State College catalog for additional graduation information.

**GENERAL EDUCATION REQUIREMENTS** (31 semester hours)

See the current Mesa State College catalog for a list of courses that fulfill the requirements below. If a course is on the general education list of options and a requirement for your major, you must use it to fulfill the major requirement and make a different selection within the general education requirement.

Course	No	Title	Sem.hrs	Grade	Term
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**English** (6 semester hours, must receive a grade of "C" or better and must be completed by the time the student has 60 semester hours.)

ENGL 111	English Composition	3	_____	_____
ENGL 112	English Composition	3	_____	_____

(ENGL 129, Honors English, may be substituted for ENGL 111 & ENGL 112.)

**Math:** MATH (3 semester hours, must receive a grade of "C" or better, must be completed by the time the student has 60 semester hours.)

MATH 119	Precalculus Mathematics	5*	_____	_____
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**OR**

MATH 151	Calculus I		_____	_____
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\*3 credits apply to the General Ed requirements and 2 credits apply to elective credit

**Social and Behavioral Sciences** (6 semester hours)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Course	No	Title	Sem.hrs	Grade	Term
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**Humanities** (3 semester hours)

_____	_____	_____	_____	_____
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**Natural Sciences** (7 semester hours, one course must include a lab)

_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	L	_____	_____	_____

**History** (3 semester hours)

HIST	_____	_____	_____	_____
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**Fine Arts** (3 semester hours)

_____	_____	_____	_____	_____
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**OTHER LOWER DIVISION REQUIREMENTS** (5 semester hours)

**Kinesiology** (2 semester hours)

KINE 100	Health and Wellness	1	_____	_____
KINA 1	_____	1	_____	_____

**Applied Studies** (3 semester hours)

_____	_____	_____	_____	_____
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**MATHEMATICS EMPHASIS REQUIREMENTS**

(15-20 semester hours)

**Core Classes**

MATH 151*	Calculus I	5	_____	_____
MATH 152	Calculus II	5	_____	_____
MATH 253	Calculus III	4	_____	_____
MATH 260	Differential Equations	3	_____	_____
STAT 200	Probability and Statistics	3	_____	_____

\*If MATH 151 is used to satisfy the Mathematics General Education Requirement, only 15 semester hours are required for the emphasis.

**Electives** (2-9 Semester Hours) Any college level undergraduate courses. Recommended: MATH 225 Computational Linear Algebra, MATH 240 Introduction to Advanced Mathematics, or CSCI 111 Computer Science I.

\*MATH 119 Precalculus Mathematics

<b><u>OR</u></b>	2	_____	_____	_____
*MATH 151	Calculus I		_____	_____

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

## SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF SCIENCE WITH A MAJOR IN LIBERAL ARTS - EMPHASIS IN MATHEMATICS

This is a recommended sequence of course work. Certain courses may have prerequisites or are only offered during the Fall or Spring semesters. It is the student's responsibility to meet with the assigned advisor and check the 2 year course matrix on the Mesa State website for course availability.

### FRESHMAN YEAR

<u>Fall Semester</u>	<u>Hours</u>	<u>Spring Semester</u>	<u>Hours</u>
ENGL 111      English Composition	3	ENGL 112      English Composition	3
MATH 151      Calculus I	5	MATH 152      Calculus II	5
General Education Natural Science with Lab	4	General Education Natural Science	3
General Education Social/Behavioral Science	<u>3</u>	STAT 200      Probability and Statistics	3
	15	KINA              Activity	<u>1</u>
			15

### SOPHOMORE YEAR

<u>Fall Semester</u>	<u>Hours</u>	<u>Spring Semester</u>	<u>Hours</u>
MATH 253      Calculus III	4	MATH 260      Differential Equations	3
General Education Humanities	3	MATH 240      Introduction to Advanced Mathematics or Elec.	4
CSCI 111 Computer Science I or Elective	4	General Education Fine Arts	3
General Education Social/Behavioral Science	3	General Education History	3
KINE 100      Health and Wellness	<u>1</u>	General Education Applied Studies	<u>3</u>
	15		16