

2008-2009 PETITION/PROGRAM SHEET

Degree: Associate of Science Major: Liberal Arts Emphasis: Manufacturing Technology www.mesastate.edu/wccc/manf.htm

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. This program includes many of the same technical courses as the Certificate of Occupational Proficiency and Associate of Applied Science degree in Machine Technology.

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 WCCC Director for signature.
- 5. Finally, the WCCC Director 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:		
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	, hereby certify that I have completed (or will grade listed for those courses is the final course grade received exceptete next semester. I have indicated the semester in which I will comp	
		20
Signature of Advisor	Date	
		20
Signature of WCCC Director	Date	
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Signature of Registrar	Date	

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

Degree Requirements:	Course No Title S	em.hrs	Grade	Term/Trns
• 60 semester hours are required for the Associate of Science degree.				
Must meet the academic residency requirements.	Humanities (3 semester hours)			
2.00 cumulative GPA or higher in all MSC coursework and a "C"				
or better must be achieved in coursework toward major content				
area.	Natural Sciences (7 semester hours, one cours		nclude	a lab)
 Pre-collegiate courses (usually numbered below 100) cannot be 	PHYS 111/11L & PHYS 112/112L are recom	mended		
used for graduation.				
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	L			
Transfer Agreements. Program sheets are for advising purposes only. Because a program	III. 4 (2			
 Program sheets are for advising purposes only. Because a program may have requirements specific to the degree, check with your 	History (3 semester hours)			
advisor for additional guidelines, including prerequisites, grade	HIST			
point averages, grades, exit examinations, and other expectations.	Fine Arts (3 semester hours)			
It is the student's responsibility to be aware of, and follow, all	Fine Arts (5 semester nours)			
guidelines for the degree being pursued. Any exceptions or				
substitutions must be approved by the faculty advisor and/or	OTHER LOWER DIVISION REQUIRME	NTS (5 s	semeste	r hours)
Department Head. Courses related to teacher licensure must also	<u></u>			,
be approved by the Teacher Education Dept.	Kinesiology (2 semester hours)			
When filling out the program sheet a course can be used only once.	KINE 100 Health and Wellness	1		
 See the "Undergraduate Graduation Requirements" in the Mesa 	KINA 1	1		
State College catalog for additional graduation information.				
	Applied Studies (3 semester hours)			
GENERAL EDUCATION REQUIREMENTS (31 semester hours)				
See the current Mesa State College catalog for a list of courses that	ACCOCIATE OF COUNTRY. MANUELOG	CLIDING		
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	ASSOCIATE OF SCIENCE: MANUFACT TECHNOLOGY COURSE REQUIREMEN			
the major requirement and make a different selection within the general	(31-32 semester hours)	115		
education requirement.	(31-32 semester nours)			
education requirement.	Core Classes			
Course No Title Sem.hrs Grade Term/Trns	CADT 101 Introduction to Computers	1		
	CADT 108 CAD Mechanical	3		
English (6 semester hours, must receive a grade of "C" or better and	MAMT 105 Print Reading/Sketching	2		
must be completed by the time the student has 60 semester hours.)	MAMT 115 Introduction to Machine Shop	3		
ENGL 111 English Composition 3	*MATH 113 College Algebra	1		
ENGL 112 English Composition 3	MAMT 120 Machine Technology I	4		
(ENGL 129, Honors English, may be substituted for ENGL 111 &	MAMT 125 Machine Technology II	4		
ENGL 112.	MAMT 148 CNC Applications	3		
	MAMT 151 Numerical Control			
Math: MATH 113 or higher (3 semester hours, must receive a grade	Machining II	3		
of "C" or better, must be completed by the time the student has 60	Choose one of the following sequences (8 or		ter nou	irs):
semester hours.) MATH 113 College Algebra 4*	(MATH 130 and 151) or (MATH 152 and 253 MATH 130 Trigonometry	3		
*3 credits apply to the General Ed requirements and 1 credit applies to	and Ingonometry	5		
elective credit	MATH 151 Calculus I	5		
	OR	-		

Additional expenses – Students in Machine Trades <u>may</u> be required to purchase approximately \$375.00 in safety glasses, tools, and materials. This does not include the cost of textbooks. These costs may vary with student needs and brand or quality of tools or equipment purchased. All safety glasses must meet the minimum industry safety standard of Z-87 with side shields.

and MATH 253

MATH 152 Calculus II

Calculus III

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Social and Behavioral Sciences (6 semester hours)

SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF SCIENCE WITH A MAJOR IN MANUFACTURING TECHNOLOGY

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

First Semester		Hours	Second Semest	er	Hours
ENGL 111	English Composition	3	ENGL 112	English Composition	3
General Educati	on Mathematics (MATH 113 or higher)) 4	MATH XXX	Mathematics	3
General Educati	on Social/Behavioral Science	3	General Educat	ion Social/Behavioral Science	3
MAMT 105	Print Reading/Sketching	2	CADT 108	CAD Mechanical	3
MAMT 115	Introduction to Machine Shop	3	MAMT 120	Machine Technology I	<u>4</u>
CADT 101	Introduction to Computers	<u>1</u>			16
		16			

SOPHOMORE YEAR

Third Semester		Hours	Hours Fourth Semester		Hours	
PHYS 111	General Physics I	4	PHYS 112	General Physics II	4	
PHYS 111L	General Physics I Lab	1	PHYS 112L	General Physics II Lab	1	
MATH XXX	Mathematics	5	General Education Humanities		6	
MAMT 125	Machine Technology II	4	KINE 100	Health and Wellness	1	
MAMT 148	CNC Applications	3	KINA	Activity	1	
MAMT 151	Numerical Control I	<u>3</u>	SPCH 102	Speechmaking	<u>3</u>	
		20			16	

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