2008 – 09 PETITION/PROGRAM SHEET
Degree: Associate of Science
Major: Liberal Arts
Emphasis: Electronic Engineering Technology
www.mesastate.edu/wccc/techint.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. A number of emphases are available within the A.S. degree. Students choosing one of these emphases will take courses in a discipline in addition to the general education core.

Students in the Associate of Science (A.S.) degree with emphasis in Electronic Engineering Technology learn AC/DC circuitry and develop basic skills in analyzing, troubleshooting, repairing computers, and the design and manufacturing of integrated circuits. Students will learn to utilize standard test equipment such as multimeters, oscilloscopes, and function generators and may choose an emphasis in computers, networking, telecommunications systems, or electrical engineering.

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 of Instruction for signature.
5. Finally, the WCCC Director of Instruction 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.

_____ _____ 20____
Signature of Advisor Date

_____ _____ 20____
Signature of WCCC Director of Instruction Date

_____ _____ 20____
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.
- 2.00 cumulative GPA or higher in all MSC coursework and a "C" or better must be achieved in coursework toward major content area.
- Pre-collegiate courses (usually numbered below 100) cannot be 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 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/Trns

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

MATH	113	College Algebra	4*		

*3 credits apply to the General Ed requirements and 1 credit applies to elective credit

Humanities (3 semester hours)

Course	No	Title	Sem.hrs	Grade	Term/Trns

Social and Behavioral Sciences (6 semester hours)

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

PHYS 111	General Physics	4		
PHYS 111L	General Physics Lab	1		
PHYS 112	General Physics	4		
PHYS 112L	General Physics Lab	1		

History (3 semester hours)

HIST			3		

Fine Arts (3 semester hours)

OTHER LOWER DIVISION REQUIRMENTS (5 semester hours)

Kinesiology (2 semester hours)

KINE 100	Health and Wellness	1		
KINA 1		1		

Applied Studies (3 semester hours)

ASSOCIATE OF SCIENCE: ELECTRONIC ENGINEERING TECHNOLOGY COURSE REQUIREMENTS
(29 semester hours) Must earn a "C" or above in each course.

Core Classes

TECI 117	DC Passive Circuits	3		
TECI 118	AC Passive Circuits	3		
TECI 164	Electronic Circuits I	3		
TECI 164L	Electronic Circuits I Lab	1		
TECI 165	Applied Digital Circuits	2		
TECI 165L	Applied Digital Circuits Lab	2		
*MATH 113	College Algebra	1		
TECI 231	Electronic Circuits II	3		
TECI 231L	Electronic Circuits II Lab	1		

CSCI (Pascal, FORTRAN, or other approved language)

CSCI		3		
MATH 130	Trigonometry	3		
MAMT 151	Calculus I	5		

- Special Recommendations – It is recommended that the student take PHYS 111/111L and 112/112L.
- Additional Expenses – Student will be required to have an appropriate multi-meter (20,000 ohms/volts or more), hand tools costing approximately $60.00; a scientific calculator, and a power supply kit for TECI 117, costing approximately $32.00. This does not include the cost of required textbooks. These costs may vary with student need 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.

SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF SCIENCE WITH A MAJOR IN ELECTRONIC ENGINEERING 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

Fall Semester		Hours
ENGL 111	English Composition	3
MATH 113	College Algebra	4
Elective		3
General Education	History	3
General Education	Social/Behavioral Science	3
KINE 100	Health and Wellness	1
		17

Spring Semester		Hours
ENGL 112	English Composition	3
MATH 130	Trigonometry	3
TECI 117	DC Passive Circuits	3
TECI 118	AC Passive Circuits	3
General Education	Social/Behavioral Science	3
KINA	Activity	1
		16

SOPHOMORE YEAR

Fall Semester		Hours
TECI 164	Electronic Circuits I	3
TECI 164L	Electronic Circuits I Lab	1
TECI 165	Applied Digital Circuits	2
TECI 165L	Applied Digital Circuits Lab	2
General Education	Science (PHYS 111, 111L suggested)	5
MATH 151	Calculus I	5
		18

Spring Semester		Hours
General Education	Science (PHYS 112, 112L suggested)	5
TECI 231	Electronic Circuits II	3
TECI 231L	Electronic Circuits II Lab	1
CSCI XXX	Computer Science Language	3
General Education	Humanities	3
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