2008 –2009 PETITION/PROGRAM SHEET
Award: Technical Certificate
Program of Study: Technology Integration
Specialization: Process Maintenance Technician
http://www.mesastate.edu/wccc

About This Emphasis . . .

Students enrolled in Technology Integration learn a multitude of skills to help prepare them to enter a variety of careers related to computer systems, computer system administration and networking/telecommunications, electronics, and process systems technology. Students begin the program studying basic core classes including communications, DC/AC circuitry, information technology hardware and software, and Cisco Systems Network training.

Students will select an area of emphasis from four choices – certified electronics technician, network/ telecommunications technician, process maintenance technician, or process systems technology. The course work in this certificate program is aligned with national and international certifications including Cisco, A+/N+, CET, and Convergent Technology Professional (CTP). Program content has been structured to give a basic education to all graduates entering this field. Emphasis has been placed on providing a common core of training for all students due to the convergence of the communication and industrial industries.

The Process Maintenance Technician program provides knowledge and skill development in installing, troubleshooting, repairing and servicing electronic process equipment and systems. A hands-on practical skills component accounts for much of the coursework. You will study electrical PLC's, analog and digital electronics, microprocessor operations, ethics and systems. You will also receive an introduction to personal computers, programming, and networking while integrating industrial process systems control .

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 October 1 for Spring graduates, 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 will 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:

- 2.00 cumulative GPA or higher in all MSC coursework
- "C" or better in each course which comprises the area of emphasis or specialization.
- Pre-collegiate courses (usually numbered below 100) cannot be used for graduation.
- 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.
- See the "Undergraduate Graduation Requirements" in the Mesa State College catalog for additional graduation information.

Technical Certificate: Technology Integration – Process Maintenance Technician (32 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
UTEC 107	Math for Technology	4	_____	_____
TECI 110	Applied Physics	3	_____	_____
TECI 117	DC Passive Circuits	3	_____	_____
TECI 118	AC Passive Circuits	3	_____	_____
TECI 132	Intro to IT Hardware & System Software	3	_____	_____
UTEC 150	Fluids/Hydraulics/Pneumatics	3	_____	_____
MAMT 160	Properties of Materials	2	_____	_____
MAMT 207	Process Control	2	_____	_____
MAMT 250	Process Systems Technology	2	_____	_____
MAMT 250L	Process Systems Tech Lab	2	_____	_____
UTEC 251	Personal & Professional Leadership Development	2	_____	_____
*ELEC ____	_____	3	_____	_____

*(Suggested Electives: WELD 117, or TSTC 100 & 101)

SUGGESTED COURSE SEQUENCING FOR THE TECHNICAL CERTIFICATE WITH A PROGRAM OF STUDY IN TECHNOLOGY INTEGRATION - SPECIALIZATION IN PROCESS MAINTENANCE TECHNICIAN

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.

First Semester		Hours
UTEC 107	Math for Technology	4
TECI 132	Intro to IT Hardware & Sys Software	3
TECI 117	DC Passive Circuits	3
TECI 118	AC Passive Circuits	3
MAMT 160	Properties of Materials	2
MAMT 207	Process Control	2
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Second Semester		Hours
Elective		3
TECI 110	Applied Physics	3
UTEC 150	Fluids/Hydraulics/Pneumatics	3
MAMT 250	Process Systems Technology	2
MAMT 250L	Process Systems Technology Lab	2
UTEC 251	Personal & Professional Leadership Dev.	2
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