



2006 –2007 PETITION/PROGRAM SHEET
Degree: Technical Certificate
Major: Technology Integration
Emphasis: 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.

 Signature of Advisor Date _____ 20____

 Signature of WCCC Director of Instruction Date _____ 20____

 Signature of Registrar Date _____ 20____

- A cumulative grade point average of 2.0 or higher must be maintained for all courses taken and a “C” or better must be achieved in each course which comprises the area of emphasis or specialization for TECI.
- It is recommended that students work closely with a faculty advisor when selecting appropriate courses and scheduling classes.

Technical Certificate: Technology Integration – Process Maintenance Technician (32 Semester Hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs	Course	No.	Credit	Grade	Term	Year	Trns/Subs
UTEC	107	4	_____	_____	_____	_____	MAMT	160	2	_____	_____	_____	_____
TECI	110	3	_____	_____	_____	_____	MAMT	207	2	_____	_____	_____	_____
TECI	117	3	_____	_____	_____	_____	MAMT	250	2	_____	_____	_____	_____
TECI	118	3	_____	_____	_____	_____	MAMT	250L	2	_____	_____	_____	_____
TECI	132	3	_____	_____	_____	_____	UTEC	251	2	_____	_____	_____	_____
UTEC	150	3	_____	_____	_____	_____	ELEC	_____	3	_____	_____	_____	_____

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UTEC 107 Math for Technology
 TECI 110 Applied Physics
 TECI 117 DC Passive Circuits
 TECI 118 AC Passive Circuits
 TECI 132 Introduction to IT Hardware and System Software
 UTEC 150 Fluids/Hydraulics/Pneumatics
 MAMT 160 Properties of Materials
 MAMT 207 Process Control
 MAMT 250 Process Systems Technology
 MAMT 250L Process Systems Technology Lab
 UTEC 251 Personal and Professional Leadership Development
 Suggested Electives: WELD 117, or TSTC 100 & 101

SUGGESTED COURSE SEQUENCING FOR THE TECHNICAL CERTIFICATE WITH A MAJOR IN TECHNOLOGY INTEGRATION - EMPHASIS 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 their advisor and check the 2 year course matrix on the Mesa State website for course availability.

First Semester			Hours	Second Semester			Hours
UTEC 107	Math for Technology	4		Elective		3	
TECI 132	Intro to IT Hardware & Sys Software	3		TECI 110	Applied Physics	3	
TECI 117	DC Passive Circuits	3		UTEC 150	Fluids/Hydraulics/Pneumatics	3	
TECI 118	AC Passive Circuits	3		MAMT 250	Process Systems Technology	2	
MAMT 160	Properties of Materials	2		MAMT 250L	Process Systems Technology Lab	2	
MAMT 207	Process Control	2		UTEC 251	Personal & Professional Leadership Dev.	2	
			17			15	