



2006 –2007 PETITION/PROGRAM SHEET
Degree: Technical Certificate
Major: Technology Integration
Emphasis: Certified Electronics 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, electronics, and telecommunications engineering. Students begin the program studying basic core classes including communications, DC/AC circuitry, information technology hardware and software, and Cisco Systems Network training.

Students select an area of emphasis from four choices – telecommunications engineering, network technician, process maintenance technician, or certified electronics technician. The course work in this certificate 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 industries.

The Certified Electronics Technician program provides knowledge and skill development in installing, troubleshooting, repairing and servicing electronic equipment and circuits. A hands-on practical skills component accounts for much of the coursework. You will study electrical circuits, analog and digital electronics, microprocessor operations, ethics and communications. You will also receive an introduction to personal computer troubleshooting and upgrading.

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.

 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 – Certified Electronics Technician (33 Semester Hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs	Course	No.	Credit	Grade	Term	Year	Trns/Subs
TECI	<u>117</u>	<u>3</u>	_____	_____	_____	_____	TECI	<u>231</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>118</u>	<u>3</u>	_____	_____	_____	_____	TECI	<u>231L</u>	<u>1</u>	_____	_____	_____	_____
TECI	<u>132</u>	<u>3</u>	_____	_____	_____	_____	TECI	<u>260</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>164</u>	<u>3</u>	_____	_____	_____	_____	TECI	<u>260L</u>	<u>1</u>	_____	_____	_____	_____
TECI	<u>164L</u>	<u>1</u>	_____	_____	_____	_____	TECI	<u>290</u>	<u>2</u>	_____	_____	_____	_____
TECI	<u>165</u>	<u>3</u>	_____	_____	_____	_____	UTEC	<u>107</u>	<u>4</u>	_____	_____	_____	_____
TECI	<u>165L</u>	<u>1</u>	_____	_____	_____	_____	UTEC	<u>251</u>	<u>2</u>	_____	_____	_____	_____

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- TECI 117 DC Passive Circuits
- TECI 118 AC Passive Circuits
- TECI 132 Introduction to IT Hardware and System Software
- TECI 164 Electronic Circuits I
- TECI 164L Electronic Circuits I Laboratory
- TECI 165 Applied Digital Circuits
- TECI 165L Applied Digital Circuits Laboratory
- TECI 231 Electronic Circuits II
- TECI 231L Electronic Circuits II Laboratory
- TECI 260 Information Technology Hardware and System Software
- TECI 260L Information Technology Hardware and System Software
- TECI 290 Certification:
- UTEC 107 Math for Technology
- UTEC 251 Personal and Professional Leadership Development

SUGGESTED COURSE SEQUENCING FOR THE TECHNICAL CERTIFICATE WITH A MAJOR IN TECHNOLOGY INTEGRATION – EMPHASIS IN CERTIFIED ELECTRONICS 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	UTEC 251	Personal & Professional Leadership Dev.		2
TECI 132	Intro to IT Hardware & Sys Software		3	TECI 164	Electronic Circuits I		3
TECI 117	DC Passive Circuits		3	TECI 164L	Electronic Circuits I Lab		1
TECI 118	AC Passive Circuits		3	TECI 231	Electronic Circuits II		3
TECI 165	Applied Digital Circuits		3	TECI 231L	Electronic Circuits II Lab		1
TECI 165L	Applied Digital Circuits Lab		<u>1</u>	TECI 260	Info Tech Hardware & Software		3
			17	TECI 260L	Info Tech Hardware & Software Lab		1
				TECI 290	Certification:		<u>2</u>
							16