



**2006 – 07 PETITION/PROGRAM SHEET**  
**Degree: Associate of Applied Science**  
**Major: Technology Integration**  
**Emphasis: Certified Electronics Technician**  
[www.mesastate.edu/wccc/techint.htm](http://www.mesastate.edu/wccc/techint.htm)

**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.

In the second year, students select an area of emphasis from three choices – telecommunications engineering, network technician, or certified electronics technician. The course work in this associate of applied science 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 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 \_\_\_\_\_ 20\_\_\_\_  
Date

\_\_\_\_\_  
 Signature of WCCC Director of Instruction \_\_\_\_\_ 20\_\_\_\_  
Date

\_\_\_\_\_  
 Signature of Registrar \_\_\_\_\_ 20\_\_\_\_  
Date

- 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.

**GENERAL EDUCATION** (18 Semester Hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs
<b>English</b> (6 semester hours)						
ENGL	<u>111</u>	<u>3</u>	_____	_____	_____	_____
ENGL	<u>112</u>	<u>3</u>	_____	_____	_____	_____

**Mathematics** (4 semester hours)

MATH	<u>113</u>	<u>4</u>	_____	_____	_____	_____
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Course	No.	Credit	Grade	Term	Year	Trns/Subs
<b>Social and Behavioral Science, Humanities or Selected Speech Courses</b> (6 semester hours)						
_____	_____	<u>3</u>	_____	_____	_____	_____
_____	_____	<u>3</u>	_____	_____	_____	_____

**Kinesiology** (2 semester hours)

KINE/HPWA	<u>100</u>	<u>1</u>	_____	_____	_____	_____
KINA/HPWE	_____	<u>1</u>	_____	_____	_____	_____

See the M.S.C. catalog for the list of approved KINA/HPWE/Selected DANC courses.

**Associate of Applied Science: Technology Integration – Certified Electronics Technician** (49 Semester Hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs
TECI	<u>117</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>118</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>121</u>	<u>2</u>	_____	_____	_____	_____
TECI	<u>132</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>164</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>164L</u>	<u>1</u>	_____	_____	_____	_____
TECI	<u>165</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>165L</u>	<u>1</u>	_____	_____	_____	_____
TECI	<u>170</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>180</u>	<u>3</u>	_____	_____	_____	_____

Course	No.	Credit	Grade	Term	Year	Trns/Subs
TECI	<u>231</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>231L</u>	<u>1</u>	_____	_____	_____	_____
TECI	<u>256</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>256L</u>	<u>1</u>	_____	_____	_____	_____
TECI	<u>260</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>260L</u>	<u>1</u>	_____	_____	_____	_____
TECI	<u>290</u>	<u>2</u>	_____	_____	_____	_____
TECI	<u>292</u>	<u>4</u>	_____	_____	_____	_____
UTEC	<u>107</u>	<u>4</u>	_____	_____	_____	_____
UTEC	<u>251</u>	<u>2</u>	_____	_____	_____	_____

**GENERAL EDUCATION** (18 Semester Hours)

**English – 6 Semester Hours**  
ENGL 111 and ENGL 112

**Mathematics – 4 semester hours**  
MATH 113

**Social and Behavioral Science, Humanities, or Selected Speech Courses – 6 semester hours** (See current MSC catalog for the approved list of courses that fulfill this requirement.)

**Kinesiology – 2 semester hours**  
KINE/HPWA 100 and one KINA/HPWE/Selected DANC course

**Associate of Applied Science in Technology Integration – Certified Electronics Technician**  
(49 Semester Hours)

TECI 117 DC Passive Circuits  
 TECI 118 AC Passive Circuits  
 TECI 121 Electronic Design/Layout  
 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 170 Introduction to Communications  
 TECI 180 Cisco Networking I  
 TECI 231 Electronic Circuits II  
 TECI 231L Electronic Circuits II Laboratory  
 TECI 256 Electronic Communication  
 TECI 256L Electronic Communication Laboratory  
 TECI 260 Information Technology Hardware and System Software  
 TECI 260L Information Technology Hardware and System Software Lab  
 TECI 290 Certification:  
 TECI 292 Capstone in Technical Engineering and Economics  
 UTEC 107 Math for Technology  
 UTEC 251 Personal and Professional Leadership Development

**SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF APPLIED SCIENCE 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.

<b>First Semester</b>		<b>Hours</b>	<b>Second Semester</b>		<b>Hours</b>
ENGL 111	English Composition	3	MATH 113	College Algebra	4
UTEC 107	Math for Technology	4	TECI 117	DC Passive Circuits	3
TECI 132	Intro to Info Tech Hardware/Sys Software	3	TECI 118	AC Passive Circuits	3
TECI 170	Introduction to Communications	3	TECI 260	Info Tech Hardware/Software	3
TECI 180	Cisco Networking I	3	TECI 260L	Info Tech Hardware/Software Lab	1
KINE/HPWA 100	Health and Wellness	<u>1</u>	General Education Soc/Beh. Sci, Humanities, or Speech		<u>3</u>
		17			17
<b>Third Semester</b>		<b>Hours</b>	<b>Fourth Semester</b>		<b>Hours</b>
ENGL 112	English Composition	3	UTEC 251	Personal/Professional Leadership Dev.	2
General Education Soc/Beh. Sci, Humanities, or Speech		3	TECI 231	Electronic Circuits II	3
KINA/HPWE	Activity	1	TECI 231L	Electronic Circuits II Lab	1
TECI 121	Electronic Design/Layout	2	TECI 256	Electronic Communications	3
TECI 164	Electronic Circuits I	3	TECI 256L	Electronic Communications Lab	1
TECI 164L	Electronic Circuits I Lab	1	TECI 290	Certification:	2
TECI 165	Applied Digital Circuits	3	TECI 292	Capstone in Tech Engineering/Economics	<u>4</u>
TECI 165L	Applied Digital Circuits Lab	<u>1</u>			16
		17			