



2005 – 06 PETITION/PROGRAM SHEET
Degree: Associate of Applied Science
Emphasis: Technology Integration – Certified Electronics Technician
www.mesastate.edu/schools/utec/elec.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 UTEC Director of Instruction for signature.
5. Finally, the UTEC 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

Signature of UTEC Director of Instruction

Date

Signature of Registrar

Date

GENERAL EDUCATION (18 Semester Hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs
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English (6 semester hours)

ENGL	111	3				
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ENGL	112	3				
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Mathematics (4 semester hours)

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

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Human Performance and Wellness (2 semester hours)

HPWA	100	1				
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HPWE		1				
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Associate of Applied Science: Technology Integration – Certified Electronics Technician (52 Semester Hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs
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TECI	117	3				
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TECI	117L	1				
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TECI	118	3				
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TECI	118L	1				
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TECI	121	2				
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TECI	132	3				
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TECI	132L	1				
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TECI	164	3				
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TECI	164L	1				
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TECI	165	3				
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TECI	165L	1				
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Course	No.	Credit	Grade	Term	Year	Trns/Subs
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TECI	170	3				
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TECI	180	3				
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TECI	231	3				
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TECI	231L	1				
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TECI	256	3				
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TECI	256L	1				
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TECI	260	3				
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TECI	260L	1				
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TECI	292	6				
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UTEC	107	4				
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UTEC	251	2				
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- 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)**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.)

Human Performance and Wellness – 2 semester hours

HPWA 100 and one HPWE activity

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

TECI 117 DC Passive Circuits
 TECI 117L DC Passive Circuits Laboratory
 TECI 118 AC Passive Circuits
 TECI 118L AC Passive Circuits Laboratory
 TECI 121 Electronic Design/Layout
 TECI 132 Introduction to IT Hardware and System Software
 TECI 132L Introduction to IT Hardware and System Software Laboratory
 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
 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 AN EMPHASIS IN TECHNOLOGY INTEGRATION – CERTIFIED ELECTRONICS TECHNICIAN

First Semester		Hours	Second Semester		Hours
ENGL 111	English Composition	3	MATH 113	College Algebra	4
UTEC 107	Math for Technology	4	HPWA 100	Health and Wellness	1
TECI 132	Intro to Info Tech Hardware/Sys Software	3	TECI 117	DC Passive Circuits	3
TECI 132L	Intro IT Hardware/System Software Lab	1	TECI 117L	DC Passive Circuits Lab	1
TECI 170	Introduction to Communications	3	TECI 118	AC Passive Circuits	3
TECI 180	Cisco Networking I	<u>3</u>	TECI 118L	AC Passive Circuits Lab	1
		17	TECI 260	Info Tech Hardware/Software	3
			TECI 260L	Info Tech Hardware/Software Lab	<u>1</u>
					17
Third Semester		Hours	Fourth Semester		Hours
ENGL 112	English Composition	3	General Education Soc/Beh. Sci, Humanities, or Speech		3
General Education Soc/Beh. Sci, Humanities, or Speech		3	UTEC 251	Personal/Professional Leadership Dev.	2
HPWE Activity		1	TECI 231	Electronic Circuits II	3
TECI 121	Electronic Design/Layout	2	TECI 231L	Electronic Circuits II Lab	1
TECI 164	Electronic Circuits I	3	TECI 256	Electronic Communications	3
TECI 164L	Electronic Circuits I Lab	1	TECI 256L	Electronic Communications Lab	1
TECI 165	Applied Digital Circuits	3	TECI 292	Capstone in Tech Engineering/Economics	<u>6</u>
TECI 165L	Applied Digital Circuits Lab	<u>1</u>			19
		17			