



2006 – 07 PETITION/PROGRAM SHEET
Degree: Associate of Applied Science
Major: Technology Integration
Emphasis: Telecommunications Engineer
www.mesastate.edu/schools/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.

Telecommunications Engineer coursework includes networking fundamentals, telephony networking installing and troubleshooting analog and digital phone lines, and fundamental concepts, standards and practices that combine telephony and data networks into convergence networks. This program is designed to help prepare students to work in technical positions in communication fields.

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
English (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>	_____	_____	_____	_____
------	------------	----------	-------	-------	-------	-------

Course	No.	Credit	Grade	Term	Year	Trns/Subs
Social and Behavioral Science, Humanities or Selected Speech Courses (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 – Telecommunications Engineer (49 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>256L</u>	<u>1</u>	_____	_____	_____	_____
TECI	<u>118</u>	<u>3</u>	_____	_____	_____	_____	TECI	<u>260</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>132</u>	<u>3</u>	_____	_____	_____	_____	TECI	<u>290</u>	<u>2</u>	_____	_____	_____	_____
TECI	<u>170</u>	<u>3</u>	_____	_____	_____	_____	TECI	<u>292</u>	<u>4</u>	_____	_____	_____	_____
TECI	<u>180</u>	<u>3</u>	_____	_____	_____	_____	UTEC	<u>107</u>	<u>4</u>	_____	_____	_____	_____
TECI	<u>185</u>	<u>4</u>	_____	_____	_____	_____	UTEC	<u>251</u>	<u>2</u>	_____	_____	_____	_____
TECI	<u>220</u>	<u>2</u>	_____	_____	_____	_____	SPCH	<u>101</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>240</u>	<u>3</u>	_____	_____	_____	_____	SPCH	<u>102</u>	<u>3</u>	_____	_____	_____	_____
TECI	<u>256</u>	<u>3</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 – Telecommunications Engineer
 (49 Semester Hours)

TECI 117 DC Passive Circuits
 TECI 118 AC Passive Circuits
 TECI 132 Introduction to IT Hardware and System Software
 TECI 170 Introduction to Communications
 TECI 180 Cisco Networking I
 TECI 185 Cisco Networking II
 TECI 220 Regulations and Standards
 TECI 240 Telecommunications Engineering
 TECI 256 Electronic Communication
 TECI 256L Electronic Communication Laboratory
 TECI 260 Information Technology Hardware and System Software
 TECI 290 Certification:
 TECI 292 Capstone in Technical Engineering Planning and Economics
 UTEC 107 Math for Technology
 UTEC 251 Personal and Professional Leadership Development
 SPCH 101 Interpersonal Communications
 SPCH 102 Speechmaking

SUGGESTED COURSE SEQUENCING FOR THE ASSOCIATE OF APPLIED SCIENCE WITH A MAJOR IN TECHNOLOGY INTEGRATION – EMPHASIS IN TELECOMMUNICATIONS ENGINEER

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
ENGL 111	English Composition	3	MATH 113	College Algebra	4
UTEC 107	Math for Technology	4	KINE/HPWA 100	Health and Wellness	1
TECI 132	Intro to Info Tech Hardware/Sys Software	3	TECI 117	DC Passive Circuits	3
TECI 170	Introduction to Communications	3	TECI 118	AC Passive Circuits	3
TECI 180	Cisco Networking I	<u>3</u>	TECI 185	Cisco Networking II	4
		16	KINA/HPWE	Activity	<u>1</u>
					16
Third Semester		Hours	Fourth Semester		Hours
SPCH 101	Interpersonal Communications	3	SPCH 102	Speechmaking	3
ENGL 112	English Composition	3	General Education Soc/Beh. Sci, Humanities, or Speech		3
TECI 220	Regulations and Standards	2	UTEC 251	Personal/Professional Leadership Dev.	2
TECI 240	Telecommunications Engineering	3	TECI 256	Electronic Communications	3
TECI 260	Info Tech Hardware/System Software	3	TECI 256L	Electronic Communications Lab	1
General Education Soc/Beh. Sci, Humanities, or Speech		<u>3</u>	TECI 290	Certification:	2
		17	TECI 292	Capstone in Tech Engineering/Economics	<u>4</u>
					18