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 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.

_____   _____20_____
Signature of Advisor   Date

_____   _____20_____
Signature of UTEC Director of Instruction   Date

_____   _____20_____
Signature of Registrar   Date

GENERAL EDUCATION (18 Semester Hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs	Course	No.	Credit	Grade	Term	Year	Trns/Subs
English (6 semester hours)							**Social and Behavioral Science, Humanities or Selected Speech**						
ENGL	111	3					**Courses** (6 semester hours)						
ENGL	112	3							3				
									3				
Mathematics (4 semester hours)							**Human Performance and Wellness** (2 semester hours)						
MATH	113	4					HPWA	100	1				
							HPWE		1				

Associate of Applied Science: Technology Integration – Telecommunications Engineer (54 Semester Hours)

Course	No.	Credit	Grade	Term	Year	Trns/Subs	Course	No.	Credit	Grade	Term	Year	Trns/Subs
TECI	117	3					TECI	240	3				
TECI	117L	1					TECI	256	3				
TECI	118	3					TECI	256L	1				
TECI	118L	1					TECI	260	3				
TECI	132	3					TECI	260L	1				
TECI	132L	1					TECI	292	6				
TECI	170	3					UTEC	107	4				
TECI	180	3					UTEC	251	2				
TECI	185	4					SPCH	101	3				
TECI	220	3					SPCH	202	3				

- 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 – Telecommunications Engineer
(54 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 132 Introduction to IT Hardware and System Software
> TECI 132L Introduction to IT Hardware and System Software Laboratory
> 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 260L Information Technology Hardware and System Software Laboratory
> 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 AN EMPHASIS IN TECHNOLOGY INTEGRATION – TELECOMMUNICATIONS ENGINEER

First Semester		Hours
ENGL 111	English Composition	3
UTEC 107	Math for Technology	4
TECI 132	Intro to Info Tech Hardware/Sys Software	3
TECI 132L	Intro IT Hardware/System Software Lab	1
TECI 170	Introduction to Communications	3
TECI 180	Cisco Networking I	3
		17

Second Semester		Hours
MATH 113	College Algebra	4
HPWA 100	Health and Wellness	1
TECI 117	DC Passive Circuits	3
TECI 117L	DC Passive Circuits Lab	1
TECI 118	AC Passive Circuits	3
TECI 118L	AC Passive Circuits Lab	1
TECI 185	Cisco Networking II	4
		17

Third Semester		Hours
SPCH 101	Interpersonal Communications	3
ENGL 112	English Composition	3
TECI 220	Regulations and Standards	3
TECI 240	Telecommunications Engineering	3
TECI 260	Info Tech Hardware/System Software	3
TECI 260L	Info Tech Hardware/Sys Software Lab	1
General Education Soc/Beh. Sci, Humanities, or Speech		3
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Fourth Semester		Hours
SPCH 102	Speechmaking	3
HPWE Activity		1
General Education Soc/Beh. Sci, Humanities, or Speech		3
UTEC 251	Personal/Professional Leadership Dev.	2
TECI 256	Electronic Communications	3
TECI 256L	Electronic Communications Lab	1
TECI 292	Capstone in Tech Engineering/Economics	6
		19