PROGRAM: Electronic Equipment Service Technician

Program Description:

Students prepare for careers in the electronic equipment service profession as technicians in a wide range of high tech industries, including broadcast audio, broadcast video, car audio, electronic service, medical equipment repair, office automation and video tape. Employment opportunities may also include mobile electronics installer and electronic assembler. Students acquire and hone service technician skills through extensive practice with live equipment, and prepare for industry certification as Certified Electronics Technicians, Mobile Electronics Certified Professionals, and Certified Broadcast Technologists. This program also provides extended learning opportunities for persons previously or currently employed in these and related occupations.

For program costs and fees refer to the catalog TUITION AND FEES PAGE.

Program Learning Outcomes:

1. Safely perform maintenance and troubleshooting operations to the component and/or board level
2. Function as a member of a team to complete a task in a timely and efficient manner; delegating, organizing and documenting tasks and results.
3. Identify, analyze, and maintain technical equipment per customer requirements.
4. Apply professional oral and written communication skills appropriate in an industry environment.
5. Apply skills for life-long learning by locating, evaluating, and applying relevant information using external and internal resources.
6. Observe professional standards as required by industry
7. Demonstrate effective working relationships with people who are similar to or different.
8. Establish professional oral and written business communication skills appropriate in a clinical environment.

Electronic Equipment Service Technician AAS (114 credits)

Required Courses

QTR. 1	BMST105	Testing Equipment	5
	BMST106	Soldering	2
	EEST101	Electrical Safety	4
	EEST102	Applied Math	4
	EEST103	Electronics Principles I	5
QTR. 2	EEST104	DC Electronics	4
	EEST105	AC ELECTRONICS	5
	EEST106	RLC CIRCUITS	4
QTR. 3	BMST107	Schematics	3

	EEST107	Electronics Principles II	5	
	EEST108	Electronic Devices I	4	
	EEST223	Introduction to Digital Systems	5	
QTR. 4	BMST109	Applied Service I	3	
	EEST109	Electronic Devices II	4	
	EEST207	Introduction to Networking	5	
	EEST222	Introduction to Fiber Optic Communications	5	
	EEST224	Introduction to Wireless Communications	4	
	EEST225	Introduction to Microprocessors	4	
QTR. 5	BMST110	Applied Service II	2	
	EEST110	Introduction to Programmable Logic Controllers	2	
	EEST208	Introduction to Embedded Controllers	5	
	EEST221	Electronic Principles –RFID	4	
QTR. 6	EEST206	Emerging Technologies	3	
	EEST210	Capstone Project	5	
	BMST108	Electronic Devices I	4	(not listed previously)

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General Education Requirements

Note: See a Career Advisor prior to choosing courses that meet general education requirements.

Degree	Gen Ed Area	Course Options		Credits
AAS	Communications (5 credits required)	ENGL175	PROFESSIONAL WRITING	5
		ENGL&101	ENGLISH COMPOSITION I	5
	HUM/SS/NS/O (5 credits required)	BIOL&160	GENERAL BIOLOGY	5
		BIOL&175	HUMAN BIOLOGY WITH LAB	5
		BIOL&241	ANATOMY & PHYSIOLOGY I	5
		BIOL&242	HUMAN A&P II	5
		BIOL&260	MICROBIOLOGY	5
		CHEM&121	INTRODUCTION CHEMISTRY	5
		CHEM&131	INTRODUCTION TO ORGANIC/BIOCHEMESTRY	5
		CMST&102	INTRO TO MASS MEDIA	5
		CMST&152	INTERCULTURAL COMM	5
		CMST&210	INTERPERSONAL COMMUNICTN	5
		CMST&220	PUBLIC SPEAKING	5
		CMST&230	SML GROUP COMMUNICATIONS	5
		ECON&201	MICROECONOMICS	5
		ECON&202	MACROECONOMICS	5
		HIST101	HISTORY-SCIENCE/TECH	5
		HREL111	COLLEGE/JOB SRCH SUCCESS	5
		NUTR&101	INTRO TO NUTRITION	5
		PHYS&221	ENGINEERING PHYS I W/LAB	5
		PHYS&222	ENGINEER PHYS II W/LAB	5
		PHYS&223	ENGINEER PHYS III W/LAB	5
		POLS&101	INTRO TO POL SCIENCE	5
		PSYC&100	GENERAL PSYCHOLOGY	5
		PSYC&200	LIFESPAN PSYCHOLOGY	5
		SOC&101	INTRO TO SOCIOLOGY	5
	Quantitative (5 credits required)	MATH171	TECHNICAL MATH	5
		MATH172	APPLIED BUSINESS MATH	5
		MATH174	MATH FOR ALLIED HEALTH	5
		MATH&107	MATH IN SOCIETY	5
		MATH&141	PRECALCULUS I	5
		MATH&142	PRECALCULUS II	5
		MATH&146	INTRODUCTION TO STATS	5
		MATH&151	CALUCLUS I	5
		MATH&153	CALCULUS III	5