

ELECTRONICS COMPUTER HARDWARE TECHNICIAN

CERTIFICATE OF ACHIEVEMENT

This certificate option develops level 2 (sub assembly) technician skills. The student will learn how to install, configure, modify, diagnose, and repair computer systems. Upon completion the student is encouraged to take the "A+" Computer Hardware Technician exam administered by a third party agency well recognized by the electronics industry.

Course			Units
Electronics Maintenance Core			(15.5)
Applied Digital Circuits	ELEC	A245	(4)
Computer Installation & Repair	ELEC	A246	(3)
Total:			(22.5)

Suggested electives:

Computer Use in Technology	CHT	A100	(3)
Intro to Info Sys & Microcomputer App	CIS	A100	(3)
Intro to Computer Info Systems	CIS	A111	(3)

AUTOMATION AND MOTOR CONTROL

CERTIFICATE OF ACHIEVEMENT

This certificate option develops level 2 (sub assembly) technician skills. The student will learn how to install, configure, modify, diagnose, and repair automation control systems. This field includes robotic assembly, automated inventory control, and hearing ventilation and air conditioning systems.

Course			Units
Electronics Maintenance Core			(15.5)
Automation 1-Programmable Logic Control	ELEC	A253	(4)
Subtotal:			(19.5)

Select three (3) units from the following:

Computer Installation & Repair	ELEC	A246	(3)
Automation II Semiconductor Motor Control Circuits	ELEC	A260	(4)
Internship Academy – Level 2	ITRN	A392	(3)
Total:			(25-26)

ELECTRONIC COMMUNICATIONS TECHNICIAN

CERTIFICATE OF ACHIEVEMENT This certificate option develops level 2 (sub assembly), technician skills. The student will learn how to install, calibrate, modify, diagnose, and repair Radio Frequency (RF) systems. Upon completion the student is encouraged to take

the General Radio Operator License (GROL) Technician exam administered by the Federal Communications Commission (FCC).

Course			Units
Electronics Maintenance Core			(15.5)
G.R.O.L. & Avionics Rules & Regulations	AMT	A188	(1.5)
Communications systems	ELEC	A215	(3)
Automation II Semiconductor Motor Control Circuits	ELEC	A260	(4)
Subtotal:			(24)

Select three (3) units from the following:

Computer Installation & Repair	ELEC	A246	(3)
Electronic Troubleshooting	ELEC	A290	(3)
Internship Academy – Level 2	ITRN	A392	(3)
Total:			(27)

EMERGENCY MEDICAL TECHNICIAN—1/BASIC

EMT-1/Basic certification is required to work for an ambulance service or in an emergency department and may be required for lifeguards, ski patrol and fire fighters. The EMT-1/Basic provides the care necessary to preserve life and to prevent disability among the acutely ill and the seriously injured and assist and communicate with other healthcare providers with a higher scope of practice.

The EMT-1 must have basic knowledge of anatomy and physiology, medical terminology and sterile techniques. The course of study emphasizes treating traumatic injuries and medical emergencies, as well as treating minor disorders and emotional problems. Specialized areas include obstetrical and pediatric emergencies and extricating entrapped persons. Special emphasis is placed on proper patient moving techniques and transport to definitive and appropriate medical care.

Successful completion of the EMT-1 course qualifies the student to sit for the National Registry of Emergency Medical Technicians' certifying examination, and therefore obtain EMT Basic certification in any California County.

Program Outcome

The graduate of the Emergency Medical Technology program will be prepared for entry-level employment as a professional and competent Emergency Medical Technologist and meet the needs of the local health care community.

The EMT-1/Basic course is a prerequisite for paramedic training. Job opportunities are good.

CERTIFICATE OF SPECIALIZATION

Required Prerequisite: Valid American Heart Association Healthcare Provider CPR

Program Recommended Preparation: EMT A100

Required Courses

Course			Units
EMT-1/Basic*	EMT	A150	(6)
EMT Clinical Internship	EMT	A151	(.5)
Orange County EMT Accreditation	EMT	A180	(.5)
Total:			(7)

Suggested electives:

Medical Terminology	ALH	A111	(3)
Anatomy-Physiology	BIOL	A221	(4)
Interpersonal Communication	CMST	A100	(3)

**Note: American Heart Association Healthcare Provider CPR or successful completion of EMT A100 within the last fourteen (14) months is a prerequisite for EMT A150. Concurrent enrollment in EMT A151 is required. The ability to read, write and comprehend English at the English A100 level is highly desirable and will help the student succeed.*

Program Outcomes

Upon completion of this certificate students will be able to:

1. Analyze, research and discuss a play in terms of technical and production requirements.
2. Collaborate with others to produce a live stage performance.
3. Demonstrate the ability to complete assignments in his/her area of technical expertise safely and accurately.

CORE CURRICULUM

Required Courses

Course			Units
Intro to Theatre	THEA	A100	(3)
Stage Crew Activity	THEA	A170*	(2)
OCC Theatre Repertory	THEA	A141*	(6)
Arts Internship	THEA	A181	(2)
And any two (2) of the following:			
Summer Theatre Festival	THEA	A144	(4)
(Or)			
Play Production	THEA	A171	(2)
(Or)			
Elizabethan Play Wkshp & Production	THEA	A172	(3)
(Or)			
Classic American Play Production	THEA	A173	(2)
(Or)			
Children's Theatre Wkshp & Prdctn	THEA	A174	(2)
(Or)			
Rehearsal & Performance	THEA	A215	(2)

Total: (17-20)

(*2 semesters required)

CONTINUED NEXT PAGE

ENTERTAINMENT TECHNOLOGY

The Orange Coast College Entertainment Technology certificate program is designed to give the student two years of extensive technical experience in the process of creating the scenery, costumes, lighting, or sound effects common to all aspects of the entertainment industry.

Through an intensive program of production work in the OCC Theatre Arts Department, combined with classes throughout the college, the student will acquire the theory, applied training, and work-based experience needed to gain entry-level positions in this highly competitive industry.

