IMPERIAL VALLEY COLLEGE 2011-2012 GENERAL CATALOG - CERTIFICATE AND MAJOR PROGRAMS

CERTIFICATE PROGRAM

ELECTRICAL TECHNOLOGY CERTIFICATE

The Electrical Technology major and certificate is designed to provide students with the comprehensive understanding and manipulative skills, technical knowledge, and related trade information required to become technicians or operators in Industrial technology and energy related industries or light manufacturing equipment.

This program will allow students to comply with the necessary requirements for certification up to Grade I level. Once the student becomes a state certified operator, he or she will qualify to seek employment in he industrial technology disciplines anywhere in the state.

ALL REQUIRED COURSES FOR THIS CERTIFICATE MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty (20) Units required for the certificate:

Required courses for the certificate

BLDC	101	Safety Standards (Cal/OSHA) 30-Hour Card	3.0
EWIR	110	Electrical Principles	4.0
EWIR	115	Electrical Wiring and Protection	4.0
ELTR	120	Electronic Devices	4.0
ELTR	140	Electronic Circuits & Semiconductors	4.0
WE	201	Employment Readiness	1.0
		TOTAL UNITS:	20.0

SPECIALIZATION CERTIFICATE(S)

The Specialization Certificate(s) demonstrates a completion of coursework in addition to the major in Electrical Technology.

ALL REQUIRED COURSES FOR THESE CERTIFICATE(S) MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

ELECTRICAL TECHNOLOGY: ELECTRICAL WIRING SPECIALIZATION

Major plus 9 units
Specialization Certificate in Electrical Wiring is designed to provide students and
entry level operators seeking higher grade level and specific understanding and
skills, technical knowledge, and related trade information on electrical installations.
It will prepare students in electrical residential installations. Once the student
finishes this program, he or she will qualify to seek employment in the electrical
and energy sector anywhere in the State.

			Total:	9.0
WE	220	Internship		1.0
EWIR	135	Electrical Equipment & Special Conditions		4.0
EVVIR	125	Electrical Feeder Services and Circuits		4.0

SPECIALIZATION CERTIFICATE(S) - Continued

ELECTRICAL TECHNOLOGY: ELECTRONICS SPECIALIZATION Major plus 7 units Specialization Certificate in Electronics is designed to provide students and

Specialization Certificate in Electronics is designed to provide students an entry level seeking higher grade level and specific understanding and skills, technology, and related trade information on electronic equipment based on semiconductor devices and microchips, including data acquisition equipment and software for virtual instrumentation.

ELTR	220	Digital Instrumentation Measurements		3.0
ELTR	240	Digital Logic Circuits		3.0
WE	220	Internship		1.0
			Total:	7.0

ELECTRICAL TECHNOLOGY: SOLAR ENERGY SPECIALIZATION Major plus 18 units Specialization Certificate in Solar Energy is designed to provide students and

Specialization Certificate in Solar Energy is designed to provide students and entry level seeking higher grade level and specific understanding and skills, technical knowledge, and related information on Solar technology and installation of related equipment such as power inverters and data acquisition software.

			Total:	18.0
WE	220	Internship		1.0
EWIR	160	Alternative Energies		4.0
EWIR	151	Solar Electrical Systems		4.0
EWIR	150	Solar Energy Systems		3.0
ELTR	240	Digital Logic Circuits		3.0
ELTR	220	Digital Instrumentation Measurements		3.0

ASSOCIATE DEGREE PROGRAM

ELECTRICAL TECHNOLOGY MAJOR - A.S. DEGREE

The Electrical Technology major and certificate is designed to provide students with the comprehensive understanding and manipulative skills, technical knowledge, and related information required to become technicians or operators in industrial technology and energy related industries or light manufacturing equipment.

This program will allow students to comply with the necessary requirements for certification up to Grade I level. Once the student becomes a state certified operator, he or she will qualify to seek employment in he industrial technology disciplines anywhere in the state.

ALL REQUIRED COURSES FOR THIS MAJOR MUST BE COMPLETED WITH A MINIMUM GRADE OF "C" OR BETTER.

Twenty (20) Units required for the major:

Required courses for the major

4.0
4.0
4.0
4.0
1.0
20.0

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