

ELECTRICAL SYSTEMS - CERTIFICATE OF COMPLETION

Office: Martinez Hall

The Electrical Systems Certificate Program is designed to equip individuals with the essential knowledge and skills needed to excel in the dynamic field of electrical systems. This program covers a wide range of topics, providing a solid foundation in electrical theory, practical applications, and safety protocols. Participants will gain hands-on experience, enabling them to confidently navigate the complexities of electrical systems in various industries. Upon completion of the Electrical Systems Certificate Program, graduates will be well-prepared for entry-level positions in various industries, including residential and commercial electrical services, manufacturing, energy production, and maintenance.

Coursework for the certificate program leads to the Associate in Applied Studies.

29 Credits

The Electrical Systems Certificate of Completion prepares and trains students to acquire the electrical and electronic skills needed to be more competitive in the electrical field. The certificate is designed to provide related training in the electrical trade that will give students the proper coursework in Safety, National Electrical Code, Equipment, and knowledge of the trade. Coursework for the certificate program also leads to the Associate in Applied Studies.

Prefix	Title	Credits
ELTR 1115	National Electric Code	3
ELTR 1120	Electrical Theory I	4
ELTR 1140	Basic Motor Controls	5
ELTR 1220	Introduction to Wiring Lab	3
ELTR 1230	Residential Wiring II	3
OETS 102	Career Readiness Certification Preparation	1
OETS 118	Mathematics for Technicians	3
TCEN 101	Energy for the Next Generation	3
TCEN 121	Basic Electrical Principles II, AC Circuits	4
Total Credits		29

A suggest Plan of Study

First Year

Fall		Credits
ELTR 1120	Electrical Theory I	4
ELTR 1220	Introduction to Wiring Lab	3
OETS 118	Mathematics for Technicians	3
TCEN 101	Energy for the Next Generation	3
Credits		13

Spring

ELTR 1115	National Electric Code	3
ELTR 1140	Basic Motor Controls	5
ELTR 1230	Residential Wiring II	3
OETS 102	Career Readiness Certification Preparation	1
TCEN 121	Basic Electrical Principles II, AC Circuits	4
Credits		16
Total Credits		29

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