ENERGY TECHNOLOGY - CERTIFICATE OF COMPLETION

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The Energy Technology Certificate provides basic knowledge and skills to help prepare individuals for entry level employment in the energy technology field. Required coursework includes mathematics; electricity principles, and energy fundamentals. Expected learning outcomes include: learning the basic components, function, and role of the electric energy industry in the United States; learning the essentials of electromagnetic theory; understanding the basic units of electrical measurement and correctly calculate formulas; safely apply problem-solving strategies in a practical laboratory setting; and work cooperatively in a classroom and laboratory setting. Coursework for the certificate program also leads to the Associate in Applied Studies.

26 Credits

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Prefix	Title	Credits
Course Requirements		
TCEN 101	Energy for the Next Generation	3
TCEN 111	Basic Electrical Principles I, DC Circuits	4
TCEN 121	Basic Electrical Principles II, AC Circuits	4
TCEN 110	Photovoltaic Application	4
TCEN 205	NEC for Alternative Energy	4
FYEX 1110	First-year Seminar	3
OETS 118	Mathematics for Technicians	3
OETS 102	Career Readiness Certification Preparation	1
Total Credits		**26**

A Suggested Plan of Study

This roadmap is only a suggested plan of study in order to complete a Certificate in two semesters. It is not intended as a contract. Course availability may vary from fall to spring semester and may be subject to modification or change. Students are advised to earn a C or better in courses to avoid repeating courses. .

First Year		
Fall		**Credits**
TCEN 101	Energy for the Next Generation	3
TCEN 111	Basic Electrical Principles I, DC Circuits	4
OETS 118	Mathematics for Technicians	3
FYEX 1110	First-year Seminar	3
	Credits	**13**
Spring		
TCEN 110	Photovoltaic Application	4
TCEN 121	Basic Electrical Principles II, AC Circuits	4
TCEN 205	NEC for Alternative Energy	4
OETS 102	Career Readiness Certification Preparation	1
	Credits	**13**
	Total Credits	**26**

Program Manager: Dr. Marlene Chavez-Toivanen