
 Effective 2015/2016	Career Cluster ►	Career Pathway ►	ELECTRICAL ENGINEERING TECHNOLOGY (10-662-1C) – Sustainable Energy Systems <i>Associate of Applied Science Degree</i> Most Courses Offered at iMET Center
	 <i>Science, Technology, Engineering & Mathematics</i>	Engineering & Technology	

^Δ Suggested Sequence ✓	Course Number	Course Title	Requisites	Credits	Hrs/Wk Lec - Lab
Semester 1		605-113 * DC/AC I		3	2-2
		605-130 * Digital Electronics		4	3-2
		801-136 English Composition 1	Prereq: 831-103 (See Note 1)	3	3-0
		804-115 College Technical Math 1	Prereq: 834-110 (See Note 1)	5	5-0
		809-198 Psychology, Introduction to	Prereq: 838-105 (See Note 1 & 4)	3	3-0
Semester 2		605-114 * DC/AC II	Prereq: 605-113; 804-115	3	2-2
		605-120 * Electronic Devices I	Prereq: 605-113	4	2-4
		482-110 * Sustainable Energy, Intro to		2	1-2
		801-197 Technical Reporting	Prereq: 801-136	3	3-0
		804-197 College Algebra & Trig w Apps	Prereq: 804-115	5	5-0
Semester 3		605-121 * Electronic Devices II	Prereq: 605-120	4	2-4
		605-190 * Microprocessors	Coreq: 605-114; 605-121	4	2-4
		662-112 * DC/AC III	Prereq: 605-114	3	2-2
		804-198 * Calculus 1	Prereq: 804-197	4	4-0
		482-111 * Sustainable Energy: Gen of Elec	Prereq: 482-110	2	1-2
Semester 4		662-124 * Electronic Circuit Analysis	Prereq: 605-120	3	2-2
		482-112 * Capstone Design Project	Prereq: 482-110; 482-111	3	2-2
		806-143 * College Physics 1	Prereq: 804-113 or 804-115	3	2-2
		809-196 Sociology, Introduction to	Prereq: 838-105 (See Note 1 & 4)	3	3-0
Electives	Take 6 elective credits. Any associate degree level course may be taken as an elective.				6
	Suggested Electives:				
	605-150 Industrial Electronics (3 Cr)				
	605-151 Industrial Data Communications (3 Cr)				
	804-181 Calculus II (4 Cr)				
Minimum Program Total Credits Required				70	

^Δ Courses may be taken out of suggested sequence as long as requisites have been met.



Effective 2015/2016

Career Cluster ►



Science, Technology,
Engineering & Mathematics

Career Pathway ►

Engineering &
Technology

**ELECTRICAL ENGINEERING
TECHNOLOGY**

(10-662-1C) – Sustainable Energy Systems

Associate of Applied Science Degree

Most Courses Offered at iMET Center

PROGRAM DESCRIPTION

Electrical Engineering Technology focuses on the installation, maintenance, modification, diagnosis, and troubleshooting of a wide variety of electronic equipment. In addition to comprehensive training in electronic theory, lab experience is an integral part of the program. The study areas include AC/DC principles, transistor operation, digital circuits, microprocessors, optoelectronics, communications, and industrial electronics.

PROGRAM LEARNING OUTCOMES

Graduates of the Electrical Engineering Tech. Associate Degree Program should be able to:

1. Apply electronic theory to practice.
2. Operate test equipment.
3. Build electronic circuits and systems.
4. Evaluate the operation of electronic circuits or systems.
5. Communicate technical information.

CORE ABILITIES

Gateway believes students need both technical knowledge and skills and core abilities in order to succeed in a career and in life. The following nine core abilities are the general attitudes and skills promoted and assessed by all Gateway programs. All Gateway graduates should be able to:

1. Act responsibly
2. Communicate clearly and effectively
3. Demonstrate essential computer skills
4. Demonstrate essential mathematical skills
5. Develop job seeking skills
6. Respect themselves and others as a member of a diverse community
7. Think critically and creatively
8. Work cooperatively
9. Value learning

ADMISSION REQUIREMENTS

1. Students must submit an application & \$30 fee.
2. Students must complete reading, writing, math, and computer skills placement assessments.
3. Students must submit official high school, GED, or HSED transcript.

GRADUATION REQUIREMENTS

1. Minimum 70 credits with an average of 2.0 or above.
2. *Average of 2.0 ("C") or above for these major courses.

For a complete list of Graduation Requirements check the Student Handbook.

NOTES

1. A satisfactory placement test score (or successful remediation) is required prior to enrollment. See an advisor for details.
2. Safety glasses are required in labs. If prescription safety glasses are necessary, please allow a minimum of 90 days.
3. Any course may be taken prior to entry in the program, assuming prerequisites and corequisites have been satisfied (or waived with department approval).
4. Transfer credits in Social Science may substitute for this course. See an advisor for details.

OTHER INFORMATION

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for a period of two years or take over seven years to complete. Tuition and material fees are determined by the board of the Wisconsin Technical College System. Consult Web Advisor for exact fee amounts. Occasionally, the District may offer a particular course out of published sequence. By doing so, the District does not obligate itself to offer succeeding courses out of published sequence.

**EQUAL OPPORTUNITY EMPLOYER AND EDUCATOR
EMPLEADOR Y EDUCADOR QUE OFRECE IGUALDAD DE OPORTUNIDADES**

To schedule an appointment with an advisor, please call 1-800-247-7122.

For a complete list of course descriptions (and possible online courses) for this program, please consult Web Advisor on our web page at www.gtc.edu.

My advisor is _____. My advisor's contact information is _____.