



Electrical Engineering Technology (10-662-1)

Associate of Applied Science
Effective 2018/2019



The course sequence shown on this sheet is the recommended path to completion of the program and reflects how courses are regularly scheduled. Courses will be scheduled in the terms indicated here. Courses may be taken out of sequence as long as requisites are met.

✓	Course Number	Course Title	Requisites	Notes	Credits	Terms Offered
	605-113 *	DC/AC I		4	3	FA, SP
	605-130 *	Digital Electronics		4	4	FA, SP, SU
	801-136	English Composition 1	Prereq: 831-103	1,4	3	FA, SP, SU
	804-115	College Technical Math 1	Prereq: 834-110	1,4	5	FA, SP, SU
	809-198	Psychology, Introduction to	Prereq: 838-105	1,3,4	3	FA, SP, SU
	605-114 *	DC/AC II	Prereq: 605-113	4	3	FA, SP, SU
	605-120 *	Electronic Devices I	Prereq: 605-113	4	4	FA, SP, SU
	801-197	Technical Reporting	Prereq: 801-136		3	FA, SP, SU
	804-197	College Algebra & Trig w Apps	Prereq: 804-115	4	5	FA, SP, SU
	809-195	Economics	Prereq: 838-105	1	3	FA, SP, SU
	605-121 *	Electronic Devices II	Prereq: 605-120		4	FA, SP, SU
	605-190 *	Microprocessors	Coreq: 605-114; 605-121	4	4	SP, SU
	662-112 *	DC/AC III	Prereq: 605-114		3	FA
	804-198 *	Calculus 1	Prereq: 804-197	4	4	FA, SP, SU
	806-143 *	College Physics 1	Prereq: 804-113 or 804-115		3	N/A
	662-124 *	Electronic Circuit Analysis	Prereq: 605-120		3	SP
	804-181 *	Calculus 2	Prereq: 804-198		4	SP, SU
	809-196	Sociology, Introduction to	Prereq: 838-105	1,3,4	3	FA, SP, SU
Take 6 elective credits. Any associate degree course may be taken as an elective. Over for suggested electives.					6	
Minimum Program Total Credits Required					70	
AVAILABLE CONCENTRATION: BIOMEDICAL ENGINEERING TECHNOLOGY						
Instead of these courses		Take these alternates				
809-195 Economics		*662-102 Medical Devices Func. & Use I			3	SP
804-181 Calculus 2		*662-103 Medical Devices Func. & Use II			3	SP
		*662-101 Safety In Healthcare			1	SP
AVAILABLE CONCENTRATION: SUSTAINABLE ENERGY SYSTEMS						
Instead of these courses		Take these alternates				
809-195 Economics		*482-110 Sustainable Energy, Intro to			2	FA, SP, SU
804-181 Calculus 2		*482-111 Sust. Energy: Gen. of Elec.	Prereq: 482-110		2	FA, SP, SU
		*482-112 Capstone Design Project	Prereq: 482-110		3	FA, SP, SU

Electrical Engineering Technology (10-662-1)

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 will 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's nine core abilities are the general attitudes and skills promoted and assessed by all programs. All Gateway graduates will 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 members 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, and math 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.

Program Offerings

	Location(s)	Starting Term(s)
Days	iMET	FA, SP, SU
Evenings	iMET	FA, SP, SU

Suggested Electives

605-150 Industrial Electronics

605-133 Industrial Data Communications

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 before the program start to obtain prescription and glasses.
3. Transfer credits in Social Science may substitute for this course. See an advisor for details.
4. A credit for prior learning assessment is available for this course. For more information, please contact cfpl@gtc.edu.

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.

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