Electrical Engineering Technology (10-662-1)

Associate of Applied Science
Effective 2026/2027

The course sequence shown on this sheet is the recommended path to completion. Courses will be scheduled in the terms indicated here. All courses should be taken in the order shown to help you stay on track and graduate according to your academic plan. Courses in this program may be offered in a variety or combination of formats (for example: in-person, video conferencing, online, etc.). More detailed scheduling information for this program can be found at https://www.gtc.edu/eet. Please see your academic advisor for additional information.

I-D = iMET Center/days, I-E = iMET Center/evenings, F=Fall, S=Spring, SU=Summer

Term	Course Number	Credits	Course Title	Requisites (prereq- before/ coreq-with)	Notes	I-D	I-E
1	890-155	1	Gateway to Success (G2S)		• Students are required to take this course in their first semester of enrollment. Please see an advisor for details.	F+	F+
1	*605-113	3	DC/AC I		• Faculty have identified this milestone course as providing a strong foundation for success throughout the program.	F	F
1	804-115	5	College Technical Math 1	Prereq: 834-110	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.	F+	F+
2	*605-114	3	DC/AC II	Prereq: 605-113; Coreq: 804-115		S	S
2	801-136	3	English Composition 1	Prereq: 831-103 OR 851-757	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.	S+	S+
2	804-197	5	College Algebra & Trig w Apps	Prereq: 804-115 OR 804-114		S+	S+
3	801-197	3	Technical Reporting	Prereq: 801-136		SU+	SU+
3	*806-154	4	General Physics 1	Prereq: 804-115 OR 804-197 OR 804-198		SU+	SU+
4	*605-130	4	Digital Electronics			F	F
4	*605-133	3	Industrial Data Communications	Prereq: 605-113 OR 605-107		F	F

(*) Students must achieve a combined average of 2.0 ("C") or above for this major course to meet graduation requirements.

(+) Students may take this course at any one of the three main campuses; Kenosha, Racine, Elkhorn or Online.

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Term	Course Number	Credits	Course Title	Requisites (prereq- before/ coreq-with)	Notes	I-D	I-E
5	*605-120	4	Electronic Devices I	Prereq: 605-113		S	S
5	809-196	3	Sociology, Introduction to	Prereq: 838-105 OR 851-757	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.	S+	S+
6	809-198	3	Psychology, Introduction to	Prereq: 838-105 OR 851-757	• Satisfactory college placement results (through multiple measures or placement test scores) or successful remediation is required prior to enrollment. See an advisor for details.	SU+	SU+
6	*605-121	4	Electronic Devices II	Prereq: 605-120		SU	SU
7	*605-190	4	Microprocessors	Coreq: 605-114; 605-121; 801-197		F	F
7	*662-105	3	Advanced Circuits	Prereq: 605-114; 804-197		F	F
7	*804-198	4	Calculus 1	Prereq: 804-197		F+	F+
8	*605-150	3	Industrial Electronics	Prereq: 605-114; 605-120		S	S
8	*662-106	3	Advanced Electronics	Prereq: 605-120; 662-105		S	S
8	*804-181	4	Calculus 2	Prereq: 804-198		S+	S+

Minimum Program Total Credits Required: 69

(*) Students must achieve a combined average of 2.0 ("C") or above for this major course to meet graduation requirements.

(+) Students may take this course at any one of the three main campuses; Kenosha, Racine, Elkhorn or Online.

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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.

Essential Career Competencies

Gateway's six essential career competencies are the general attitudes and skills promoted and assessed by all programs. All Gateway graduates will develop skills in:
1. Communication Competence
2. Critical Thinking and Problem Solving
3. Professionalism and Career Management
4. Teamwork and Collaboration
5. Cultural Competence
6. Technology Competence

Admission Requirements

1. Students must submit an application and pay $30 fee.
2. Students must meet one of the following: minimum cumulative high school GPA of 2.6 (unweighted); earned at least 12 college credits with a minimum GPA of 2.0; or complete valid reading, writing, and math placement assessments.

Graduation Requirements

1. Minimum 69 credits with a cumulative GPA of 2.0 or above.
2. *Average of 2.0 ("C") or above for these major courses.
3. Complete 890-155 Gateway to Success (G2S) in the first semester.

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

Notes

1. 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.

Gateway Technical College reserves the right to modify curriculum requirements for students who interrupt enrollment for one year or take over seven years to complete. Tuition and material fees are determined by the board of the Wisconsin Technical College System. Consult My Gateway for exact fee amounts. The District reserves the right to modify, cancel, or relocate course offerings in response to factors such as low enrollment, resource availability, or other relevant considerations to ensure high-quality educational experiences. Students will be notified in writing and are encouraged to meet with their Academic Advisor to adjust their academic plan.

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