What can you do with a major in
Electrical and Computer Engineering Technology?

Campus(s) program is offered: North Metro Campus

What are the most likely job titles one can expect to qualify for after completing this program?
- Systems Engineering Technician or Software Engineering Technician
- Electronics Quality Engineering Technician
- Field Service Engineering Technician
- Electronics Engineering Technician or Designer

What do students express as the thing they enjoy the most about this program?
Engineering technology classes are offered in a flexible hybrid format, which is very popular with students. Lectures and homework can be completed online, while labs and quizzes are done on-campus in an open-lab setting.

What is the least?
Unfortunately, the flexible format doesn't make the material easy! Students sometimes don't like the effort that is required to be successful in the program.

What are some typical misconceptions about this program of study?
The program is Engineering Technology which is slightly different from an Engineering program. Engineering programs are generally only bachelor's degrees, not associate degrees, and are very mathematical and theoretical in nature. Engineering Technology covers the same concepts, but is more hands-on and has more laboratory time than would be found in an engineering program**.**

What are some essential skills a student needs to have to be successful in this program ?
Critical Thinking — Using logic and reasoning to identify the strengths and weaknesses of alternative solutions, conclusions or approaches to problems.
Complex Problem Solving — Identifying complex problems and reviewing related information to develop and evaluate options and implement solutions.
Operation Monitoring — Watching gauges, dials, or other indicators to make sure a machine is working properly.
Monitoring — Monitoring/Assessing performance of yourself, other individuals, or organizations to make improvements or take corrective action.
Quality Control Analysis — Conducting tests and inspections of products, services, or processes to evaluate quality or performance.

What are some essential abilities a student needs to have to be successful in this program?
Problem Sensitivity — The ability to tell when something is wrong or is likely to go wrong. It does not involve solving the problem, only recognizing there is a problem.
Near Vision — The ability to see details at close range (within a few feet of the observer).
Deductive Reasoning — The ability to apply general rules to specific problems to produce answers that make sense.
Finger Dexterity — The ability to make precisely coordinated movements of the fingers of one or both hands

to grasp, manipulate, or assemble very small objects.
Inductive Reasoning — The ability to combine pieces of information to form general rules or conclusions (includes finding a relationship among seemingly unrelated events).
Selective Attention — The ability to concentrate on a task over a period of time without being distracted.

What are typical skills and abilities that a student gains once he/she has completed the program of study?
•	Possess technical skills with a balance of theory and practice appropriate to their discipline, required to be successfully employed in their field
•	Possess a comprehensive understanding of work place ethics needed to function effectively in a professional environment
•	Remain life-long learners through formal education and/or professional development

Typical work activities/occupational functions:
•	Help design, develop, test, and manufacture electrical and electronic equipment such as communication equipment, radar, industrial and medical measuring or control devices, navigational equipment, and computers
•	May work in product evaluation and testing, using measuring and diagnostic devices to adjust, test, and repair equipment

What additional training would you recommend for a student who wants to go to the next level in this field?
Many students who complete their associate degree then transfer to other schools to pursue a bachelor's degree in Engineering.

Do any of the occupational courses transfer easily?
The Electrical/Computer Engineering Technology is a degree program. The occupational courses could be transferrable based on the school you wish to attend. You will need to contact that particular school. Some occupational courses will transfer into the bachelor's degree program in Engineering Technology.

What are some common limitations, if any, in this program that students face?
The flexibility of the hybrid courses make them easy to adjust to almost any work schedule
a.	But some students make the mistake of taking too many courses at a time
b.	The courses are not easy; don't overload yourself

Are there any exams/certifications that a student needs to take after completing the courses? Are these exams/certifications offered on campus?	No certification exams are required.

Possible employment settings:
Manufacturers of electrical equipment, companies specializing in installation, maintenance, and repair of electrical equipment

Names of potential employers:

Marta	Home Depot	Marriott International
AT&T	NCR	Comcast
Noble Systems	Jacobs Technology	