2023-2024

Electronic Technology

Diploma

Total Technical Credits.....32

Program Information

The Anoka Technical Electronic Engineering Technology (EET) program includes a 32-credit Electronic Technology diploma that provides students with the technical knowledge necessary to start a career in electronics.

Full-time students may complete an Electronic Technology diploma in two semesters. Full-time students who continue in the program can obtain an AAS degree in Electronic Engineering Technology (EET) with an additional two semesters. Students will obtain a solid education in electronic fundamentals, as well as system-level troubleshooting.

Students also learn about:

- Computer Troubleshooting A+
- LabVIEW programming applications
- Lasers and Optics
- Mechatronics
- Networking
- Programmable Logic Controllers (PLCs)
- Robotics

Financial assistance is available for those who qualify and there are several EET program-specific scholarships available.

Program Learning Outcomes

1. Interpersonal and employability skills: Communicate with peers and customers using professional, ethical and appropriate verbal and nonverbal communication skills; by accepting constructive feedback and displaying appropriate behavior; participating as a member of a team, exhibiting leadership and lifelong learning skills.
2. Electronic Theory: Demonstrate a solid understanding of electronics; by interpreting electronic schematics and diagrams; research, organize and interpret information from various technical sources; identifying components; electronic test equipment used by technician in industry.
3. Mechatronic Systems: Convey the understanding of complex relationships between sections of specialized equipment through written, verbal, and/or demonstrative methods.
4. Troubleshooting: Demonstrate principles of troubleshooting and logical diagnosis by using critical thinking skills to define, analyze, and implement a solution.
5. Mechatronic Applications: Evaluate and determine that all mechatronic equipment is in proper working condition, ensuring a safe, reliable manufacturing environment.
6. Safety Compliance: Participate in class in a professional manner, by acting in compliance with documented safety procedures and appropriate industry standards.

Industry and Career Outlook

As part of the Electronic Engineering Technology program, the Electronic Technology diploma provides students with the technical knowledge necessary to start their career in electronics and manufacturing support.

Wage information is available from the Minnesota Department of Employment and Economic Development

Program Start Dates

Fall Semester.....August
Spring Semester .....January**

***Students who start in the spring will need more time to complete due to course prerequisites.**

Course Prerequisites

Some courses in this program may require a prerequisite. Please see course descriptions for more details.

Program Sequence

Fall Semester		**16**
☐ ETEC 1102	Mechatronics 1 DC	3
☐ ETEC 1113	Mechatronics 2 AC	3
☐ ETEC 1141	Circuit Analysis	4
☐ ETEC 1151	Computer Troubleshooting A+	3
☐ ETEC 1250	Digital 1	3
Spring Semester		**16**
☐ BMET 1301	Biomedical Networking	2
☐ ETEC 1170	Programmable Logic Controllers (PLCs)	2
☐ ETEC 1202	Solid State Electronic Devices	5
☐ ETEC 1260	Lasers and Optics	2
☐ ETEC 1271	Technical Documentation	3
☐ ETEC 1281	Engineering Technology Programming: LabVIEW and C++	2

Graduation Requirements

Students must earn a cumulative 2.0 GPA or higher to be eligible for graduation from this program.

Faculty Contact

Tom Reid..... 763-576-4139
Daniel Truchon..... 763-576-4185

For information on how to apply, to schedule a tour, or for service during summer hours, contact Enrollment Services at 763-576-7710 or EnrollmentServices@anokatech.edu

Also see: Biomedical Equipment Technician AAS and Robotic and Electronic Engineering Technology AAS

ANOKA TECHNICAL COLLEGE
A member of Minnesota State