Electronic Technology

**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**

By completing this program, students will achieve the following learning outcomes.

- 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.
- 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.
- Mechatronic Systems: Convey the understanding of complex relationships between sections of specialized equipment through written, verbal, and/or demonstrative methods.
- Troubleshooting: Demonstrate principles of troubleshooting and logical diagnosis by using critical thinking skills to define, analyze, and implement a solution.
- Mechatronic Applications: Evaluate and determine that all mechatronic equipment is in proper working condition, ensuring a safe, reliable manufacturing environment.
- Safety Compliance: Participate in class in a professional manner, by acting in compliance with documented safety procedures and appropriate industry standards.

**Course Prerequisites**

Some courses may require appropriate test score or completion of basic math, basic English and/or reading courses with a “C” or better.

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**Graduation Requirements**

All Anoka Technical College students seeking an Associate in Applied Science (AAS), diploma, or certificate must meet the cumulative grade point average (GPA) of 2.0 or higher.

**Transfer Opportunities**

To see how credits from this program may transfer into other Anoka Technical College programs or into a program at another college, visit:
- Minnesota Transfer
- Anoka Technical College transfer student

**Industry Information**

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.

**Wages/Outlook/Advancement**

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

**Start Dates**

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

**Program Sequence**

**Fall Semester**............................................................16
- ETEC 1102 Mechatronics 1 DC..............................3
- ETEC 1113 Mechatronics 2 AC..............................3
- ETEC 1141 Circuit Analysis I.................................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

**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