

Special Electronics Technician

Emphasis

Associate of Applied Science (AAS) Degree

Technical Requirements 57
 MnTC General Education 15
 Total Credits 72

Program Information

The Anoka Technical Electronic Engineering Technology (EET) program includes a 72-credit Special Electronics Technician Associate of Applied Science (AAS) degree emphasis program that prepares students in core electronic engineering technology skills, as well as a broad background in computer support and networking.

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.

Admission Requirements

This program requires instructor approval.

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.

MATH 1550 Introduction to Statistics Prerequisites MATH 0900 or MATH 0950 or MATH 1080 or MATH 1400 or appropriate test score.

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 (EET) program, the Special Electronics Technician (EET) emphasis Associate of Applied Science (AAS) degree provides students with the technical knowledge and practical experience necessary for an exciting career in electronics, mechatronics, robotics, automation and controls, computer servicing/networking, biomedical equipment technician (BMET) and engineering support.

Wages/Outlook/Advancement

Wage information is available from the [Minnesota Department of Employment and Economic Development](#)

Start Dates

Fall Semester.....August
 Spring SemesterJanuary**
 **Students who start in the spring will need more time to complete this program.
 Limited first semester technical courses are offered in the Spring semester.

MnTC Requirements

Fifteen (15) credits of general education credits from the [Minnesota Transfer Curriculum \(MnTC\)](#) are required. MnTC credits must be from three different goal areas and can be completed separate from or together with the technical credit requirements.
 Note: Some of the MnTC credits are not listed in your program sequence plan. Please see your faculty advisor or enrollment services for help in planning when to complete your MnTC credits.

Program Sequence

Fall Semester	16
<input type="checkbox"/> ETEC 1102 Mechatronics 1 DC	3
<input type="checkbox"/> ETEC 1113 Mechatronics 2 AC	3
<input type="checkbox"/> ETEC 1141 Circuit Analysis 1	4
<input type="checkbox"/> ETEC 1151 Computer Troubleshooting A+	3
<input type="checkbox"/> ETEC 1250 Digital 1	3
Spring Semester	16
<input type="checkbox"/> BMET 1301 Biomedical Networking	2
<input type="checkbox"/> ETEC 1170 Programmable Logic Controllers (PLCs).....	2
<input type="checkbox"/> ETEC 1202 Solid State Electronic Devices.....	5
<input type="checkbox"/> ETEC 1260 Lasers and Optics.....	2
<input type="checkbox"/> ETEC 1271 Technical Documentation	3
<input type="checkbox"/> ETEC 1281 Engineering Technology Programming: LabVIEW and C++	2
Summer Semester	7
<input type="checkbox"/> MATH 1550 Introduction to Statistics	4
<input type="checkbox"/> MnTC General Education Elective	3
Special Electronics Technician Electives	25

Faculty Contact

[Tom Reid](#)..... 763-576-4139
[Daniel Truchon](#)..... 763-576-4185

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

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

