

Electronics

Academic Planning Guide

Electronics Engineering Technology Diploma

The Electronics Technician is an asset within the technical team, collaborating closely with engineers and other specialists in the design, fabrication, testing, repair, and maintenance of sophisticated technical systems. This role encompasses a diverse array of scenarios, from equipment repair to system testing, whether on-site at the plant or out in the field.

In addition to their electronic expertise, Electronics Technicians often need proficient software skills. Some roles may also demand travel, physical lifting, and collaboration with external partners to achieve project goals.

Key competencies for an Electronics technician include the ability to analyze circuits and systems, and adeptness with tools and test equipment. Equally important are qualities such as a team-oriented mindset, strong communication skills, and the capability to work both under supervision and independently.

Graduates pursuing an A.A.S. degree typically aim for further education, such as a four-year degree in Engineering, Computer Science, or related fields, to advance their career prospects and attain higher-level positions.

First Semester

ELEC1000	DC Circuits	4
ELEC1050	AC Circuits	4
ELEC1090	Introduction to Electronics Engineering	3
ELEC1101	Complex AC Circuits	4
ELEC1220	Electronic Soldering & Inspection	2
Total Credits		17

Second Semester

ELEC1150	Diodes & Rectifiers	2
ELEC1250	Solid State Components & Circuits	5
ELEC1285	Practical Circuit Analysis with Multism	2
ELEC1300	Operational Amplifiers	2
ELEC1400	Semiconductor Applications	3
MATH1150	Applications of Quantitative Reasoning	3
	or	
MATH1250	Introduction to Statistics	3
	or	
MATH1400	College Algebra	4
Total Credits		17

Third Semester

ELEC1450	Digital Electronics	3
ELEC2000	Microcontrollers	4
ELEC2051	Microcontroller & System Integration	3
ITEC1105	Network Admin 1	4
ENGL1070	Technical Writing	3
	or	
ENGL1100	Writing & Research	4
Total Credits		17

Fourth Semester

ELEC2200	Radio Frequency Communications	4
ELEC2220	Industrial Electronics	4
ELEC2400	Industrial Controls	2
ELEC2450	Applications/Technician Project	2
Total Credits		17
Total Credits		63

Please note: Semester listings reflect the recommended sequence. Due to circumstances beyond our control, the information herein is subject to change without notice.

Plan Your Path to Stay on Track

Success doesn't happen by accident—it starts with a plan! Whether you're working toward a diploma, certificate, or degree, understanding which courses to take and when to take them can save you time, money, and stress.

By staying organized and proactive, you'll move forward with confidence, avoid last-minute surprises, and stay on track for graduation. One of the best tools to help you map out your path is your Degree Audit Report (DARS).

Your Personal Academic Checklist

DARS takes the guesswork out of course planning. It gives you a clear snapshot of your progress and shows which classes are still required for your program.

Why Check DARS?

Planning your class schedule is much easier when you know what is left to take! Checking your DARS report can help you:

- ✓ Avoid registering for the wrong courses
- ✓ Make steady progress toward your degree or diploma
- ✓ Stay on track for graduation and avoid surprises

How to Access Your DARS Audit

Checking your DARS only takes a few clicks!

- 1 Log into eServices with your StarID and password
- 2 Go to the Academic Records section
- 3 Click on Degree Audit Report (DARS)
- 4 Review your audit to see what is complete and what is still required



Student e-services

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Courses & Registration

Academic Records

Academic Records

[Degree Audit](#)

[Unofficial Transcripts](#)

[Check Grades](#)

Plan Ahead for Success

It is smart to review your DARS every semester—especially before registration opens. If you are not sure which classes to take next, your DARS is a great place to start. You can also bring it to your academic advising appointment to build a plan that fits your goals and schedule.

Your degree. Your plan. Your future.

DARS helps you take the right steps, at the right time. Check your DARS often so you can register with confidence and graduate on time!

Visit

HennepinTech.edu/Advising

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