



Electronic Technology Diploma - 60 credits

Program Area: Electronics (Fall 2025)

REMEMBER TO REGISTER EARLY

Program Description

This diploma is designed to give basic knowledge of electronics and computers. The technical knowledge received will prepare students for future training on specific electronic equipment

This diploma transfers seamlessly into the Electronic Engineering Technology AAS (72 credits)

Program Outcomes

- Operate common electronic test equipment, oscilloscopes, DMM's, and signal generators
- Read and understand circuit schematics, i.e. recognize basic circuit configurations and understand their operation
- Understand basic circuit analysis techniques
- Troubleshoot and repair common electronic circuits
- Install and configure various PC hardware components, e.g. memory, hard drives, modems, and network cards

Required Courses

Number	Name	Credits	Term
ELTN 1406	DC Electricity	4	
ELTN 1408*	AC Electricity	4	
ELTN 1412	Digital Electronics	2	
ELTN 1422	Media and Cabling	2	
MATH 1115*	Contemporary Math	4	
ELTN 1432*	Solid-State Devices	4	
ELTN 1500	Practical PC Maintenance	2	
ELTN 1470*	Systematic Troubleshooting	1	
ELTN 2442*	Automation Controllers	3	
ELTN 2400*	CET Exam Preparation	2	
	Choose 32 credits from the following (other courses may be allowed as electives with program advisor approval):	32	
	<ul style="list-style-type: none"> • Any ELTN or ELEC courses not listed above • COMM 1601: Interviewing Procedure and Practice (1 credit) 		

Total Credits

60

*Requires a prerequisite or a concurrent course

Pre-program Requirements

Successful entry into this program requires a specific level of skill in the areas of English, mathematics, and reading. Program entry will depend, in part, on meeting the prerequisites listed below:

English/Reading:

- Eligible for ENGL 1106 - College Composition I, or
- Completion of ENGL/READ 0950/0955 (or equivalent or higher). ENGL/READ 0950/0955 may be taken concurrently with Semester I coursework.

Mathematics:

- Eligible for MATH 0970 - Intermediate Algebra, or
- Completion of MATH 0950/0955 (or equivalent or higher). MATH 0950/0955 may be taken concurrently with Semester I coursework.

There are other ways to qualify. Visit [Course Placement](http://lsc.edu/course-placement) (lsc.edu/course-placement) to find out more.



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For interpretation of test results and selection of appropriate coursework; or general information about the program, admissions, financial aid, and getting started at LSC, contact the [professional advising team](#) (advising@lsc.edu) or at 218-733-7601.

For more information about the Electronic Technology Diploma including course descriptions, course prerequisites, the program report, and potential career opportunities, see the [program website](https://www.lsc.edu/degrees/electronic-technology-diploma/) (<https://www.lsc.edu/degrees/electronic-technology-diploma/>)

or

Contact Faculty Advisors, [Dave Lustila](mailto:david.lustila@lsc.edu) (david.lustila@lsc.edu) at 218-733-7687 or [Alan Alberg](mailto:alan.alberg@lsc.edu) (alan.alberg@lsc.edu) at 218-733-7687



MINNESOTA STATE

CIP Code: 15.0303
Minnesota State Program ID: 0308
LSC Major ID: 5360

Created: 3/1/05
AASC Approval: 12/11/2024
Updated: 03/28/2025

All courses in diploma and/or certificate programs are acceptable for credit toward Lake Superior College degree programs as indicated on individual program planners. This is not a contract; Lake Superior College reserves the right to change the planner as necessary. This document is available in alternative formats upon request, by contacting [Student Accessibility Services](#) or (218) 733-7650 or MRS/TTY (800) 627-3529.