



Electronic Technology Diploma - 60 credits

Program Area: Electronics (Fall 2016)

*****REMEMBER TO REGISTER EARLY*****

Program Description

The Electronic Technology program is a comprehensive technician training program in which students are trained to work in many areas of electronics including micro-computers, communications systems, and industrial and robotic systems. Training includes extensive hands-on experience in addition to fundamental knowledge of principles and practices.

This 60-credit Diploma seamlessly transfers to the Industrial Controls 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 1402	Basic Electricity Theory	8	
ELTN 1412	Digital Electronics	2	
ELTN 1422	Media and Cabling	2	
ELTN 1500	Practical PC Maintenance	2	
ELTN 1432*	Solid-State Devices	5	
ELTN 1452*	Microcontrollers	4	
ELTN 1470	Systematic Troubleshooting	1	
ELTN 2442*	Automation Controllers	3	
ELTN 2400*	CET Exam Preparation	2	
Choose 31 credits from the following (other courses may be allowed as electives with program advisor approval):		31	
<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:

- A score of 78 or higher on the reading comprehension portion of the Accuplacer, or
- Completion of ENGL/READ 0950 or 0955 (or equivalent course or higher). ENGL/READ 0955 may be taken concurrently with Semester I coursework.

Mathematics:

- A score of 71 or higher on the **Elementary Algebra Skills** portion of the Accuplacer, or
- Completion of MATH 0460 (or equivalent or higher). Math 0460 may be taken concurrently with Semester I coursework

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 a professional advisor, pat@lsc.edu or 218-733-7601



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For more information about the Electronic Technology Diploma including course descriptions, course prerequisites, the gainful employment disclosure, and potential career opportunities, see program Website:

<https://degrees.lsc.edu/electronic-technician/>

- or -

Contact Faculty Advisors, Dave Lustila: d.lustila@lsc.edu or 218-733-7687 or Chris Ringsred: c.ringsred@lsc.edu or 218-733-7688 or Alan Alberg: a.alberg@lsc.edu or 218-733-7687



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