

Electrical Maintenance Specialist

Why should I major as an Electrical Maintenance Specialist?

If you have an interest in electronics and enjoy problem solving, you will find a career in electronic engineering rewarding. Students in the Electrical Maintenance Specialist program develop the skills needed to install and maintain electronic equipment and systems in fields such as: communications, health care, manufacturing, security, finance, and others. Theory is supported by hands-on activities whenever possible.



What type of degree will I earn at Iowa Western if I enroll in this program?

Graduates of our one-year electrical maintenance specialist program earn a diploma. The student has the option of continuing into the two-year electronic engineering technology program, and earning an Associate of Applied Science (AAS) degree.

If I major as an Electrical Maintenance Specialist, can I transfer to a four-year college or university?

The objective of this program is to provide electronic literacy for immediate employment. If an advanced degree is your goal, the Electronic Engineering Technology program is more appropriate. Completing the Electronic Engineering Technology program will result in an Associate of Applied Science (AAS) degree. Many credits may also be transferred toward a bachelor's degree from another institution.

What is the job outlook for Electrical Maintenance Specialists and what type of jobs will I be qualified for?

The job market for electronics graduates is strong, with excellent career opportunities in fields such as: communications, health care, manufacturing, security, finance, and others.

Program of Study

The Electrical Maintenance Specialist program of study prepares students to be employed as technicians in the fields of electrical maintenance, installation and repair. The program was developed especially for industry and is valuable in the development, installation and maintenance of complex industrial processes as well as their electronic, controller and computer devices. Graduates of this program are awarded a diploma.

* Students must complete the curriculum described below:

** Program prerequisite: Students enrolling in Electrical Maintenance Specialist must have one year of high school algebra or the equivalent.

*** Students may substitute Advanced Mathematic courses for Technical Mathematics II as follows: Precalculus, Calculus I or Calculus II for Technical Mathematics II.

RECOMMENDED COURSE SEQUENCE

First Semester		Cr.
ELT 331	Circuit Analysis I	4
ELT 332	Circuit Analysis I Lab	1
ELT 313	Digital Circuits I	4
ELT 314	Digital Circuits I Lab	1
ELT 616	Microprocessors I	4
ELT 617	Microprocessors I Lab	1
		15

Second Semester		Cr.
ELT 523	Electronic Devices	4
ELT 524	Electronic Devices Lab	1
ELT 158	Industrial Electronics I	4
ELT 159	Industrial Electronics I Lab	1
MAT 750	Technical Math II	5
ENG 105	Composition I	3
		18

33 semester hours required

**For More Information,
contact the Admissions Office:
712.325.3277 or 800.432.5852, ext. 3277
or the Program Chair at 712.325.3403
www.iwcc.edu**