Industrial Technology - Electronics

- Associate of Technical Science Degree
- Electronics Technician Certificate of Completion

The industrial technology - electronics program provides training for maintenance electricians and electronics technicians within industrial facilities such as wood processing plants, agricultural food storage and processing warehouses, manufacturing plants and hydroelectric power facilities. It also provides advanced-level training and skill improvement for plant electricians and other employees seeking to improve their work classification within their company on modern electronic circuits, programmable logic controllers (PLCs) and control systems.

Before entering the industrial technology - electronics program, students are strongly advised to complete one year of high school algebra or its equivalent. Prior to entry into the program, documentation of computer literacy, or BCT 105 or instructor permission is required. A current first aid card with CPR is required upon graduation. Coursework in computers and basic electricity/electronics is also beneficial prior to entering the program. If students are planning additional education beyond the WVC associate of technical science (ATS) degree, work closely with the program adviser as some electronics coursework may be transferable, and students may want to consider taking ENGL& 101 and college-level transfer math as part of the ATS degree.

To be eligible for the degree, students must earn at least a cumulative 2.0 grade point average. Core program courses may have prerequisite requirements. English and mathematics courses require qualifying assessment scores or acceptable preparatory coursework in those subjects. See course descriptions for details. If students complete the industrial technology - electronics ATS degree, they can earn electrical hours toward the Washington State Labor and Industry (07) Nonresidential Maintenance Specialty Electrical License.

For more information about graduation rates, the median debt of students who completed the program and other important information, visit www.wvc.edu/industrial.

Suggested Course Sequence:

Associate of Technical Science Degree (requires all first- and second-year courses)

Electronics Technician Certificate of Completion (entire first year)

Offered at Wenatchee campus

First Year		Second Year	
Fall Quarter ELEC 125 ELTRO 101 BCT 116 ENGR 102	Wiring Diagrams and Schematics	Fall Quarter CTS 110 ELTRO 202 ELTRO 210 ELTRO 223	Credits Computer Hardware
Winter Quarter OCED 102* ENGR 105 ELEC 115 ELTRO 121	Writing in the Workplace/ Technical English	Winter Quarte WELD 128 ELTRO 220 ELTRO 221 ELEC 225	Basic Welding3 Control Devices and Motor Drives3 Graphic Interface Programs for PLCs5 Industrial Electricity and Controls5
Spring Quarter MATH 100T* OCED 130 ELTRO 132 ELEC 135	Technical Math or higher	Spring Quarter INDT 164 ELTRO 230 ELTRO 231 ELTRO 240	Plant Maintenance