

Associate in Applied Science - Engineering Technology

Degree Type

Associate in Applied Science-Transfer Degree

Wenatchee Valley College's Engineering Technology AAS-T is a two-year program geared for today's high technology-based job market. It closely couples electrical and automation principles with high-level math and science coursework. The degree's primary focus is to have graduates that can integrate complex repairs and upgrades fresh off the planning stage and see them to completion. This degree can offer students three paths to follow after graduation:

- The first path: Technician level employment. The two-year degree earning student will be qualified for similar employment as our ATS graduates in INDT- Industrial Electricity. With the increased quantity of college-level courses, these graduates should be more apt to take on leadership roles within their chosen fields.
- The second path: This degree allows seamless transfer into our four-year BAS-ET program. It encompasses all the classes required to make the BAS-ET program a true four-year time investment.
- The third path: With the addition of two extra quarters of course work, the AAS-T degree will provide the student with enough credits to also earn a two-year transfer degree (DTA). The DTA will allow them to pursue engineering or similar degree at other four- year institutions.

Suggested Course Sequence: Associate in Applied Science-Transfer Degree Program

Offered at Wenatchee campus

	Total Credits	110
Course Sequencing		

First Year - Fall Quarter

Course ID	Title	Credits
ELEC 115	Applied Electricity	5.0
MATH& 141	Precalculus I	5.0
PHYS& 114	General Physics I W/Lab	5.0

First Year - Winter Quarter

Course ID	Title	Credits
ELTRO 121	Digital Electronics	5.0
ELEC 125	Wiring Diagrams and Schematics	5.0
MATH& 142	Precalculus II	5.0
PHYS& 115	General Physics II W/Lab	5.0

First Year - Spring Quarter

Course ID	Title	Credits
ELEC 135	Control Fundamentals	5.0
ELTRO 132	Introduction to Computerized Controls and PLCs	5.0
MATH& 146	Introduction to Statistics	5.0
PHYS& 116	General Physics III W/Lab	5.0

Second Year - Fall Quarter

Course ID	Title	Credits
CHEM& 161	General Chemistry I	5.0
CMST& 220	Public Speaking	5.0
ENGL& 101	Composition: General	5.0
ELTRO 101	Basic DC-1	5.0

Second Year - Winter Quarter

Course ID	Title	Credits
CHEM& 162	General Chemistry II	5.0
ELTRO 220	Control Devices and Robotics	5.0
ENGL& 235	Technical Writing	5.0
ENGR 105	Computer-Aided Design (CAD)	5.0

Second Year - Spring Quarter

Course ID	Title	Credits
CHEM& 163	General Chemistry III	6.0
ELTRO 240	Industrial Hydraulics & Pneumatics	5.0
ENGR 106	Computer Aided Design: Solid Modeling	4.0

Program outcomes:

Graduates of the AAS-T degree program at WVC should:

- Be able to apply their knowledge of the discipline to identify, analyze, synthesize, and solve problems within the field of engineering technology.
- Possess the technical skills to be immediately productive in the workforce and have successful careers in regional, state, or national electronic and mechanical product and system development industries.
- Utilize effective management methods with a commitment to quality, timeliness, and efficiency.
- Be able to successfully communicate in oral, written, and visual modalities.
- Demonstrate increasing levels of leadership and responsibility during their careers.
- Have demonstrated professionalism and ethics understanding, respect for diversity, and awareness of societal and global issues.
- Display a desire and commitment for life-long learning through continued education, technical training, and/ or professional development.

Pre-enrollment requirements

- MATH 99 with a B or better, Math 140, or appropriate placement score.
- Appropriate assessment scores in language usage and reading or a grade of "C" or higher in ENGL 97 or a grade of "B-" or higher in ABE 019 or a grade of "B" or higher in the Bridge-to-College English Language Arts course or a grade of "3" or higher on the Smarter Balanced exam.
- One year of high school chemistry or CHEM& 121, or a grade of "3" or higher on the Smarter Balanced exam or instructor's permission.

Additional requirements:

- To be eligible for the AAS-T degree, students must earn at least a “C” grade (2.0) and a cumulative 2.0 grade point average.
- The courses listed under the suggested course sequence must be part of the 90-course credits.