

Bellingham Technical College

INDUSTRIAL TECHNOLOGY



ELECTRICIAN

HVAC & REFRIGERATION

RESIDENTIAL HOME INSPECTION

WELDING & FABRICATION TECHNOLOGY

TECHNICALLY
SPEAKING
www.btc.edu



About Bellingham Technical College



Bellingham Technical College has been training students for in-demand, high-paying careers for more than 60 years. At BTC, the focus is always on our students and helping them succeed. We're proud to have one of the highest graduation rates of all public two-year colleges in Washington state, as well as high job-placement rates for our graduates.

On our vibrant campus in the heart of Bellingham, we educate a diverse population of over 5,000 students in 39 associate degrees, 55 certificate programs and two bachelor of applied science degrees.

BTC students prepare for careers in many areas, including high-demand fields such as advanced manufacturing, engineering, nursing, accounting and more.

Our approach is high-tech, hands-on, and student-centered. Smaller classes mean our dedicated instructors really know you, and our lectures are reinforced in the lab, whether it is in a fast-paced kitchen, on the welding floor, or in the nursing simulation lab.

At every step, you'll know that BTC faculty and employers are here to support you in pursuit of your goals.

Mission:

Bellingham Technical College provides student-centered, high-quality professional technical education for today's needs and tomorrow's opportunities.

Industrial Technology at BTC

BTC's programs in Industrial Technology are ideal for students with hands-on capabilities and problem-solving skills. You'll learn the expertise needed for a career in a broad range of industries, including power generation plants, refining, local and state government infrastructure, development, manufacturing, and utilities.

The employment outlook for workers in industrial technology is strong, and students can expect to earn excellent wages.*

By providing hands-on, high-tech training and solid academic instruction, we help our students reach their goals.

In helping our students fulfill their potential, we also contribute to our community's economic development. BTC's administration collaborates with local industry, employers, and our state and local governments to determine the skills our workforce requires to keep the economy strong. We develop programs based on local employer needs that will prepare our students for high-skill, high-wage jobs—right here in our community and beyond.

BTC Degree Options

Associate of Applied Science (AAS) degree:

A two-year associate degree that allows you to go directly to work in your field.

Associate of Applied Science-Transfer (AAS-T)

degree: A two-year associate degree with transferable general education courses that allows you to either go directly into your field, transfer to a specific program at a four-year college or university, or prepare for your bachelor of applied science degree at BTC.

Transitioning to BTC: BTC accepts both traditional and non-traditional credit for equivalency to BTC courses on a case-by-case basis. Contact Admissions at admissions@btc.edu or call 360.752.8345.

Learn more: www.btc.edu/transfers

*Wage & Employment Data Sources

Earning potential: Washington State Employment Security Department 2018 Occupational Employment and Wage Estimates (esd.wa.gov) reflect 2014–17 employment; average annual wage reflects the 50th percentile, and earning potential reflects the 75th percentile of annual wages across Washington state.

Employment data come from the Washington State Board for Community and Technical Colleges and reflect WA/OR employment for students enrolled in BTC between 2014-15 and 2016-17.

ELECTRICIAN

Associate of Applied Science — Transfer Degree

Associate of Applied Science Degree

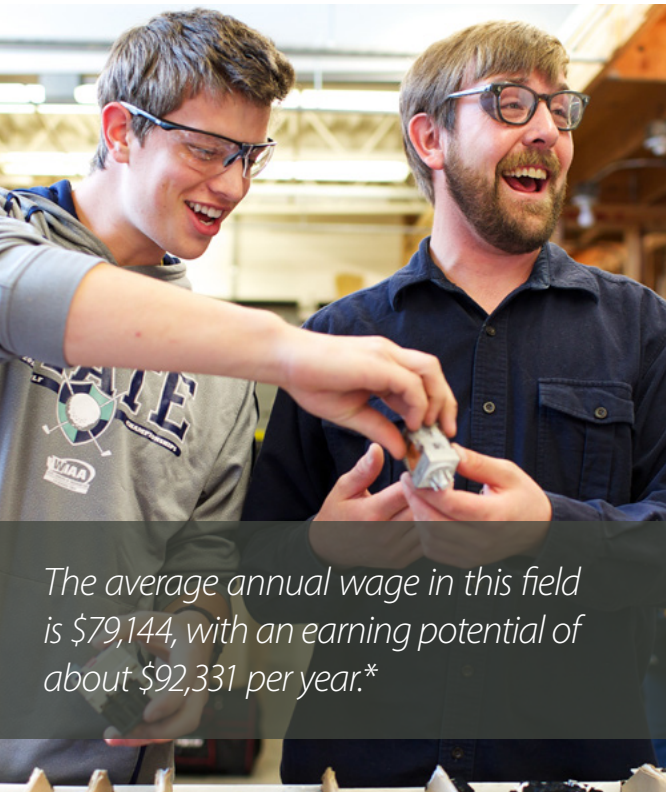
Program Length: 5-6 quarters

Electrical Construction Certificate Certificate of Completion

Program Length: 3 quarters

Choose this program to prepare for an exciting career as an electrician. Students become registered “electrician trainees” with the State of Washington Department of Labor and Industries and are awarded work experience hours upon completion. Occupational choices are extensive in the field; many graduates work in the construction industry, while others work in manufacturing or maintenance.

In BTC’s Electrician program, you will learn how to install, maintain, and repair residential, commercial, industrial and renewable electrical systems. You will also learn how to read blueprints and schematics, bend and install conduits, program VFDs and PLCs, and troubleshoot circuits.



*The average annual wage in this field is \$79,144, with an earning potential of about \$92,331 per year.**

HVAC & REFRIGERATION

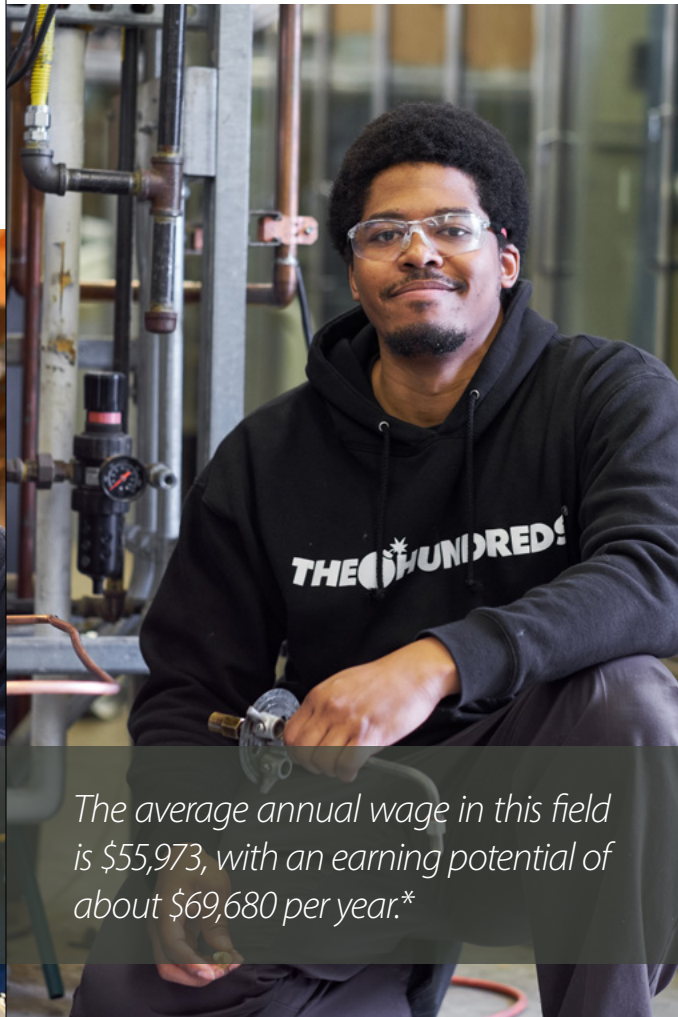
Associate of Applied Science — Transfer Degree

Associate of Applied Science Degree

Program Length: 6 quarters

BTC’s Heating, Ventilation, Air Conditioning and Refrigeration program will prepare you for a career as an HVAC and Refrigeration Technician. You’ll learn new, higher-efficiency technologies and practices with the valuable hands-on training that employers are looking for.

In two years, you can be well-positioned for high-wage employment with heating and air conditioning contractors, refrigeration contractors, hotels, school systems, or industrial processing plants.



*The average annual wage in this field is \$55,973, with an earning potential of about \$69,680 per year.**

RESIDENTIAL HOME INSPECTION

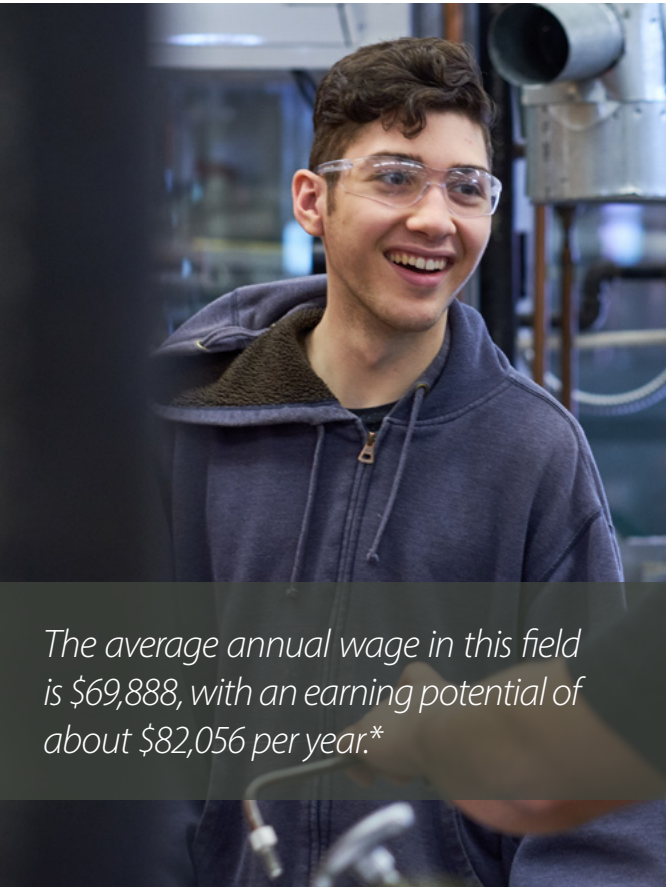
Residential Home Inspection Certificate of Completion

Program Length: 4 weeks

If you'd like a fast-track option to a career with a home inspection company—or to your own professional home inspection business—then you should consider this course.

This intensive, full-time course combines classroom instruction with hands-on lab and inspection work to prepare you to become a licensed home inspector.

Home inspectors examine and report on a home's systems and structure—from the roof to the basement. Typically, inspectors work for real-estate purchasers, but they are also hired by firms specializing in architecture, engineering, and related services.



*The average annual wage in this field is \$69,888, with an earning potential of about \$82,056 per year.**

WELDING & FABRICATING TECHNOLOGY

GENERAL WELDING

Associate of Applied Science —Transfer Degree

Associate of Applied Science Degree

Program Length: 6 quarters

PIPE SPECIALIZATION WELDING

Associate of Applied Science —Transfer Degree

Associate of Applied Science Degree

Program Length: 7 quarters

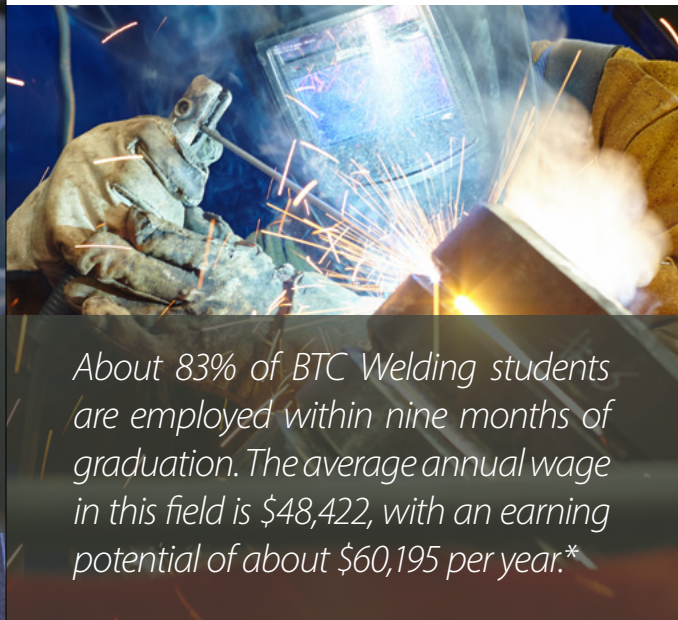
Basic Welding Skills

Certificate of Completion

Program Length: 3 quarters

Any industry that creates goods and structures from metal will rely on skilled welders to create strong projects, whether in aerospace, automotive, marine, or construction fields.

In BTC's state-of-the-art welding and fabrication facility, you'll learn valuable skills that high-wage employers are looking for, from safety practices and blueprint reading, to technical welding skills for mild steel, aluminum, and stainless steel. BTC's hands-on training will prepare you for a welding career in boat manufacturing, manufacturing, refining and transportation. Students can choose between a general welding degree or specialize in pipe welding.



*About 83% of BTC Welding students are employed within nine months of graduation. The average annual wage in this field is \$48,422, with an earning potential of about \$60,195 per year.**

Get started at BTC today!

Find more information: www.btc.edu/admissions

Print a checklist: www.btc.edu/admissionsteps

Apply to BTC & Apply for Financial Aid

Apply at www.btc.edu/applyonline and get your Student Identification Number (SID).

Complete the Free Application for Federal Student Aid (FAFSA) online at www.btc.edu/financialaid
Use BTC college code 016227.

Assess Your Starting Point

Degree- and certificate-seeking students need to determine their math and English starting points. Some programs require certain placement scores before starting program classes. BTC uses multiple measures to determine placement, including assessment testing. Visit: www.btc.edu/assessment

Advising & Registration

Students will meet with Advising and Career Services staff for a mandatory GET Started appointment: navigate Goals, create an Education Plan, become Tech Ready, and register for classes. Contact Admissions & Advising to schedule your appointment: admissions@btc.edu or call **360.752.8345**.

Prepare to Attend

Participate in New Student Orientation to learn about campus resources and what to expect before your first quarter.

Sign up: www.btc.edu/events

Pay tuition and fees: www.btc.edu/tuition

Buy textbooks: www.btc.edu/campusstore

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