ENGINEERING TECHNOLOGY:
- CIVIL
- CLEAN ENERGY
- COMPOSITES
- ELECTRONICS
- GEOMATICS
- MECHANICAL DESIGN

BACHELOR OF APPLIED SCIENCE:
ENGINEERING TECHNOLOGY

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 employees 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.

Engineering Technology at BTC

BTC’s Engineering programs are ideal for students with mechanical aptitude or a strong foundation in math, science, and technology. Whichever path you choose, you’ll learn skills needed for a career in high-demand, dynamic industries like engineering, aerospace, manufacturing, civil and commercial construction, and energy, either in the private sector or with the government.

The employment outlook for engineering technology graduates is very strong, and students can expect to earn excellent wages. Across the state, the number of engineering graduates is well below industry needs, and employers in many fields are urgently seeking qualified engineering technicians and technologists.

Scholarships for tuition and other support for two years of study:
Students in Civil, Clean Energy, Composites, Electronics, Geomatics, Mechanical Design, and Bachelor of Applied Science in Engineering Technology: www.btc.edu/nsfscholarships

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.

Bachelor of Applied Science (BAS) degree:
A two-year bachelor’s degree that can be added on top of an existing associate degree from an accredited college, or even a previous bachelor’s degree.

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
Civil engineering technicians aid in the design, construction, operation, and maintenance of large construction projects, including roads, dams, bridges, airports, and buildings. This program will prepare you for a career as a civil engineering technician, computer-aided drafter, construction manager, transportation technician, or geographic information systems (GIS) technician.

You’ll learn valuable skills such as civil drawing, design, geographic information systems, and field engineering.

Renewable energy careers are emerging at an unprecedented pace. Energy production, distribution, infrastructure support, and consumption are significant components of Northwest Washington’s economic and workforce development, and solar photovoltaic and wind power remain the most dynamic renewable energy technologies.

With coursework on the policies, politics and economics of alternative energy, as well as hands-on training focused on electronics, BTC’s Clean Energy Specialization will train you for a promising career as an electronics technician, engineering technician, solar installer, wind energy technician or wind turbine service technician in the clean energy industry in the region and beyond.

The average annual wage in this field is $79,144, with an earning potential of about $92,331 per year.*
Products and parts made from innovative, lightweight composites are in demand in aerospace and other high-tech industries. BTC’s Composites Specialization will teach you in-demand skills you can put to use as an assembler, fabricator, machine operator, production worker, or supervisor in leading industries, such as aerospace and industrial manufacturing. Building on a core academic curriculum, you’ll learn to apply basic engineering principles and technical skills to engineering support functions in research, production, and operations.

By specializing in composites engineering, you’ll be prepared to fill a growing need for skilled composites technicians.

“The instructors have been working in the industry and can tell us how relevant all of this is.”

— Oso Ghoffrani, Composites student

The average annual wage in this field is $79,144, with an earning potential of about $92,331 per year.*
Mechanical engineering technicians help to design, build and analyze everything from cars and planes to robots and medical devices, even entire manufacturing plants. BTC’s program will prepare you for design and engineering technician work at structural engineering companies, aerospace companies, architectural firms, refineries, construction companies, or manufacturing firms. Learn drawing and design skills to use as a mechanical engineering technician, mechanical drafter, computer-aided drafter, engineering technician, or production planner.

If you’d like to prepare for a career in a growing field that will allow you to use advanced technology and won’t confine you to an office, then choose our Geomatics Specialization. You can put your math and computer skills to work as a geomatic technician doing surveying, mapping and more for construction firms, surveying and engineering firms, mining companies, oil and gas companies, and public utilities. Or, go to work for a government agency, such as U.S. Geological Survey, Department of Natural Resources, the Bureau of Land Management, or the U.S. Forestry Service.

BTC’s courses will give you an understanding of boundary laws, zoning, permitting, and platting, with in-depth experience using the expanding technology of geographic information systems and the Global Positioning System, as well as conventional surveying equipment and procedures for working in the field or the office.

The average annual income in this field is $67,212, with an earning potential of about $80,655 per year.*

About 79% of BTC Mechanical Design students are employed within nine months of graduation. The average annual wage in this field is $63,357, with an earning potential of about $78,811 per year.*
If you’ve completed an associate degree from an accredited college, BTC’s Bachelor of Applied Science degrees allow you to use your existing degree as the first two years of one of our bachelor’s programs, so you can earn your bachelor’s degree in two years.

For students interested in getting their associate degree and bachelor’s degree at BTC, please take the AAS-T track in your chosen program. Cohorts for BTC’s bachelor’s programs start in Fall Quarter, but students can start their program entry requirements at any time.

Take your two-year degree further with BTC’s Bachelor of Applied Science in Engineering Technology. This two-year applied bachelor’s degree is designed for students who have an existing associate degree in a related field and want to train for higher paying jobs in the engineering industry.

While traditional four-year engineering programs place a heavy emphasis on math and engineering science, BTC’s two-year bachelor’s program focuses on the practical application of engineering principles to solve engineering problems to prepare for key roles in product development, manufacturing, product assurance, sales and program management.

Engineering Technology graduates will be qualified for a broad range of engineering positions, including field engineer, test engineer, production engineer, associate engineer, project engineer, tool designer, estimator, and engineering technologist.

*Wage & Employment Data Sources

To get started, a one-on-one meeting with our program specialist is required: bachelorprograms@btc.edu
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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8/2020