



EDMONDS  
COLLEGE

# BACHELOR'S DEGREES AT EDMONDS COLLEGE

Invent — and reinvent — your future here.



## What are BAS degrees?

Bachelor of Applied Science (BAS) degrees combine theoretical and hands-on knowledge and skills that build on a variety of educational backgrounds, including technical degrees. Programs provide students with career-focused skills developed in partnership with industry professionals leading to in-demand occupations. Upon graduation from one of our BAS programs, students will be eligible to apply for select master's degrees.

## Why Earn a Bachelor's degree at Edmonds College?

Compared to the other four-year degrees, Bachelors of Applied Science degrees are:

- Career focused lesson plans
- Hands-on industry training
- Build more on work experience
- More affordable than traditional bachelor's degrees

## Degrees Offered

### Advance Manufacturing and Materials Engineering Technology (AMMET)

Gain knowledge and skills in manufacturing processes, additive manufacturing, automation, product design, control systems, and materials characterization. We focus on hands-on learning, with classes taught by faculty with industry experience. After completing our program, you will be a highly competitive graduate prepared for entry-level positions in various industries.

[edmonds.edu/ammet](http://edmonds.edu/ammet)

### Information Technology Application Development (ITAD)

Develop skills and knowledge in database models, mobile applications, cloud computing and machine learning to prepare for positions in the IT industry. Some IT employers give more importance to certifications while others value academic degrees. BAS-ITAD students get both. As you complete the program, you can earn certifications in Amazon Web Services, Microsoft Azure, and other areas.

[edmonds.edu/itad](http://edmonds.edu/itad)

### Integrated Healthcare Management (IHCM)

Our program is geared towards anyone who wants to go into any venue in healthcare. IHCM-BAS prepares you to be an effective leader in today's rapidly changing healthcare landscape. Learn skills and advance knowledge in health care management, leadership and equity, health care systems and literacy.

[edmonds.edu/iHCM](http://edmonds.edu/iHCM)

### Robotics and Artificial Intelligence (ROBAI)

Students will gain skills needed in the growing field of robotics, mechatronics design, language and speech technology, AI applications for machine learning and autonomous systems. You will be taught by faculty with industry experience who will provide you with the knowledge and skills needed in the growing field of robotics. When you earn your degree, you will be a highly competitive graduate prepared for positions in a variety of industries in the Seattle area, Washington State and beyond.

[edmonds.edu/robai](http://edmonds.edu/robai)

### Child, Youth and Family Studies (CYFS)

Our program is unique in its interdisciplinary model with an emphasis on family systems, equity, and social justice. Students with academic backgrounds in early childhood education, human services, addiction studies and family support studies will expand and strengthen their skills and advance their careers.

[edmonds.edu/cyfs](http://edmonds.edu/cyfs)

*The CYFS program does not meet immigration requirements due to its class modality*

### Bachelor's of Science in Computer Science

In this program students will be able to analyze a complex computer problem and apply principles of computer and other relevant disciplines to identify solutions. Students will apply computer science theory and software development fundamentals to produce computing-based solutions.

This is a traditional four year degree program where students are required to complete 180 credits, of which 60 credits are general education coursework.

*This program is pending accreditation approval from the Northwest Commission on Colleges and Universities*

### What is a BS degree?

A Bachelor of Science (BS) degree has a theoretical focus that places great emphasis on applied knowledge and critical thinking. The BS degree requires participants to fulfill math and science coursework related to their educational discipline in addition to the general education requirements to prepare students for a variety of jobs within the discipline.

# U.S. EDUCATION TIMELINE

HIGH SCHOOL DIPLOMA

ASSOCIATE'S DEGREE  
2 YEARS

BACHELOR'S DEGREE  
2 YEARS

Edmonds offers High School Completion that allows international high school students to take college level classes at the same time

With over 60 areas of study, students complete two years of general education requirements then transfer to a four-year school as a junior. For Edmonds College BAS programs, students must complete an Associate of Science transfer degree.

Our Bachelor's degrees prepare students for careers and equip them to be industry ready. Our students save time and money going through the Edmonds College pathway.

## Academic Plan Samples

Students work directly with a program manager to design their individual path for program completion. Students who are accepted to the college after graduation of high school will enroll in an Associate of Applied Science degree and will enroll in courses that meet the first half of the degree.

Year three and four of the bachelor's degree programs include degree specific courses and some elective courses. Program advisors are available to meet with students to design a program path based on students interests.

Below are sample courses for some of our BAS degrees.

## Information Technology Application Development- ITAD

### Year 1 and Year 2

- English Composition and Technical Writing
- Precalculus and Computer Science Java I
- Interpersonal Communications and Public Speaking
- Computer Science Java II, BioAnthropology with lab and Chemistry with Lab
- Symbolic Reasoning and Linguistic Anthropology
- Web Development OR Computer Science (based on students career focus)

### Year 3 and Year 4

- Software Engineering
- Discrete Mathematics for Developers
- Database Models and Design
- Useability Engineering
- Application and Data Integration
- Cloud Computing
- Mobile Application Development
- Machine Learning
- Capstone projects I and II

## Advanced Manufacturing and Materials Engineering Technology - AMMET

### Year 1 and Year 2

- Precalculus
- Material Science
- General Chemistry
- Polymer Technology
- Engineering Graphics
- English composition
- Basic Electricity and Electronics
- Composites Manufacturing
- Physics with Lab
- Engineering Technology Internship
- Statistics
- Public Speaking

### Year 3 and Year 4

- Additive and Subtractive Manufacturing
- Materials Characterization
- Applied Statics and Mechanics of Materials
- Manufacturing Systems, Automation and Operations
- Contemporary Moral Issues
- Product Design, Tooling and Assembly
- Lean Manufacturing
- Quality and Continuous Improvement
- Advanced Materials Science
- Industrial Organization, Safety and Management

# Why Edmonds?

- \$500 tuition discount for up to three quarters
- \$1,000 new student scholarship opportunity
- Foundation scholarships and housing discounts available
- Tuition is 1/3 the cost of traditional four year institutions
- 3 years of Optional Practical Training (OPT) work experience opportunities

## Apply Now!

International students wishing to enroll in the bachelor's program can do so after completion of high school or as transfer students. All international students must complete the admission process through the Office of International Programs.

1. International students apply for admissions through [edmonds.edu/international](http://edmonds.edu/international)
2. Highschool graduates will enroll in the appropriate Associate of Applied Science AAS-T degree program or Associate of Science for the BAS in Computer Science
3. Transfer students will need to send official transcripts from previous institutions and meet with the OIP Bachelor's degree advisor. Minimum GPA of 2.5 GPA in the AAS-T degree. Application essay (application deadlines vary according to the specific bachelor's degree)



*Our doors are open to all. We are committed to promoting a diverse and globally minded community that celebrates our backgrounds while working towards achieving academic success for all.*

- Dr. Amit B. Singh,  
Edmonds College President



[edmonds.edu/international](http://edmonds.edu/international) |  [edmondsip](https://www.facebook.com/edmondsip) |  [edmondsip](https://www.instagram.com/edmondsip)  
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