

# Associate in Arts – Transfer Degree Robotics and Artificial Intelligence



## ROBAI AAS-T DEGREE

Students eager to land a cutting-edge job in software development will have a new option thanks to the recent approval of a transfer associate degree in robotics and artificial intelligence at Bellevue College.

## FIND OUT MORE INFORMATION:

Make an appointment with Alysa Kelsey the Program Manager or visit us at:  
<https://www.bellevuecollege.edu/ibit/programs/network-services-computing-systems/>.



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## WHAT IS ROBAI?

Bellevue College's IBIT division is excited to offer a new program— an Associates of Applied Science/Transfer degree in Robotics and Artificial Intelligence. This is the first such degree offered in robotics and artificial intelligence at the community and technical college-level in Washington State. Coursework focuses on the software development side. The program of study will develop student's technical knowledge and skills in areas like statistics, machine learning, python programming, and AI language and speech technology.

## SERVING A DUAL PURPOSE.

The Robotics and Artificial Intelligence degree has courses designed for both those seeking immediate employment as well as those preparing for the third year of a four-year program.

**Immediate employment:** Prepares graduates to pursue work in the information technology field in positions such as Robotics Technician and Junior Artificial Intelligence Developer.

**Transfer options:** The minimum of 20 credits of transferable general education courses is drawn from the same list as those taken by students completing the Direct Transfer Agreement (DTA) associate degrees and can also apply directly to the BC Information Systems & Technology bachelor of applied science degree.

## CAREER OPPORTUNITIES.

- Artificial Intelligence Software Developer
- Business Intelligence Specialist
- Control Systems Programmer
- Data Visualization Specialist
- Intelligent Systems Specialist
- Junior Artificial Intelligence Developer
- Machine Learning Developer
- Python Developer

# 2019-20 Robotics and Artificial Intelligence AAS-T Degree Requirements

- Programming
- Machine Learning
- Computer Vision
- 3D Printing



## Further your education with a bachelor's degree from BC!

After completing your AAS-T degree, continue on to complete your BAS in Information Systems and Technology (IST) right here at BC. For more information, please visit:

[www.bellevuecollege.edu/ibit/degrees/bachelor/ist/](http://www.bellevuecollege.edu/ibit/degrees/bachelor/ist/).



Bellevue College is accredited as a baccalaureate degree-granting institution by the Northwest Commission on Colleges and Universities (NWCCU), a regional accrediting body recognized by the U.S. Department of Education.

Course Number	Course Title	CR
<b>CORE COURSEWORK</b>		
BUSIT 103	SQL Fundamentals	5
DBA 130	Database Theory	5
ENGR& 114	Engineering Graphics	5
IT 103	Networking Basics	5
IT 128	Information Security Essentials	5
PROG 110	Introduction to Programming (Python)	5
PROG 120	Object Oriented Programming Concepts	5
PROG 160	Systems Analysis and Design	5
PROG 260	Data Structures and Algorithms	6
ROBAI 101	Intro to Robotics and Artificial Intelligence	5
ROBAI 240	Programming for Machine Learning	5
ROBAI 250	Additive Design and Manufacturing	5
ROBAI 260	Computer Vision in Control Systems	5
ENGL& 101	English Composition I	5
<b>TOTAL</b>		<b>61</b>
<b>COMMUNICATION</b>		
<i>Choose 5 credits from the following:</i>		10
ENGL 201	The Research Paper (5 Cr)	5
ENGL& 235	Technical Writing (5 Cr)	5
<b>HUMANITIES (One of the courses selected must fulfill Cultural Diversity Requirement of BC)</b>		
<i>Choose 5 credits from the following:</i>		10
CMST 250	Communication in a Diverse Workplace (5 Cr)	5
PHIL 102	Contemporary Moral Problems (5 Cr)	5
<b>QUANTITATIVE</b>		
<i>Choose 5 credits from the following:</i>		10
MATH 130	Introduction to Statistics (5 Cr)	5
MATH 138	College Algebra for Business & Social Science (5 Cr)	5
MATH& 141	Pre-Calculus I (5 Cr)	5
<b>NATURAL SCIENCE</b>		
BIOL& 100	Survey of Biology (6 Cr)	6
<b>GRAND TOTAL</b>		<b>90-93</b>

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