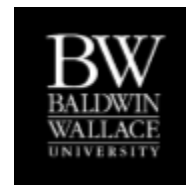




# A2BW - Associate to Bachelor's Program

## AS to BS in Computer Science



### Suggested Sequence at Tri-C

\*\*For the best A2BW fit, students should complete the following math course as part of the AS degree prior to transferring: **MATH 1610, 1620, 2010**

# These courses should be selected as part of the AS: **IT 1025, 1050, 2650 or 2670, 2660 and Honors options when available.**

\***CSC 235** – taken online at BW through dual enrollment or cross registration (see back for additional information)

^ Tri-C equivalent course taken under SPCH will be accepted to meet this requirement.

| First Semester |                             | Credits   |
|----------------|-----------------------------|-----------|
| ENG 1010       | College Composition I       | 3         |
| IT 1025#       | IT Concepts for Programmers | 3         |
| MATH 1610**    | Calculus I                  | 5         |
| COMM 1010^     | Fundamentals of Speech Com  | 3         |
|                |                             | <b>14</b> |

| Second Semester |                          | Credits   |
|-----------------|--------------------------|-----------|
| ENG 1020        | College Composition II   | 3         |
| IT 1050#        | Programming Logic        | 3         |
| MATH 1620**     | Calculus II              | 5         |
| Natural Science | Natural Science Elective | 3         |
| Soc/Beh Science | Elective                 | 3         |
|                 |                          | <b>17</b> |

| Third Semester   |  | Credits   |
|------------------|--|-----------|
| IT 2650 or 2670# | Java Programming or C/C++ Programming Language | 4         |
| MATH 2010**      | Intro to Discrete Math                         | 4         |
| Nat Science/lab  | Natural Science elective w/lab                 | 4         |
| Nat Science/lab  | Natural Science elective w/lab                 | 4         |
|                  |  | <b>16</b> |

| Fourth Semester          |                                      | Credits   |
|--------------------------|--------------------------------------|-----------|
| Arts/Humanities          | Arts/Humanities elective             | 3         |
| IT 2660#                 | Data Structures                      | 3         |
| Nat Science/lab          | Natural Science elective /lab        | 4         |
| Soc/Beh Science          | Elective                             | 3         |
| <b>CSC 235 ONL – BW*</b> | <b>Sys Requirement &amp; Testing</b> | <b>3</b>  |
|                          |                                      | <b>16</b> |

Associate of Science Degree Awarded                      Total hours: **60\***  
 \*A maximum of 62 credits transfers to BW for your AS degree.

### Suggested Sequence at BW

Course sequence may change based on individual needs of the student, schedule type required, and completion of **MATH courses** before transfer.

| Fifth Semester |                                   | Credits   |
|----------------|-----------------------------------|-----------|
| CSC 240        | Object-Oriented Programming       | 3         |
| CSC 291        | Computer Science Research Methods | 2         |
| CSC 310        | Software Engineering I            | 3         |
| Elective       | Elective course                   | 2         |
| Minor          | Minor course                      | 3         |
| Minor          | Minor course                      | 3         |
|                |                                   | <b>16</b> |

| Sixth Semester |                              | Credits   |
|----------------|------------------------------|-----------|
| CSC 320        | Computer Architecture & Org. | 3         |
| CSC 380        | Database Theory, App. & Adm. | 3         |
| CSC 391        | Senior Research Proposal     | 1         |
| Elective       | Elective course              | 2         |
| Minor          | Minor course                 | 3         |
| Minor          | Minor course                 | 3         |
|                |                              | <b>15</b> |

| Seventh Semester |                             | Credits   |
|------------------|-----------------------------|-----------|
| CSC 400          | Operating Systems           | 3         |
| CSC 430          | Algorithm Design & Analysis | 3         |
| CSC 490          | Senior Research Project I   | 2         |
| Elective         | Elective course             | 2         |
| Minor            | Minor course                | 3         |
| Minor            | Minor course                | 3         |
|                  |                             | <b>16</b> |

| Eighth Semester |                            | Credits   |
|-----------------|----------------------------|-----------|
| CSC 440         | Artificial Intelligence    | 3         |
| CSC 491X        | Senior Research Project II | 1         |
| Elective        | Elective course            | 2         |
| MATH 201+       | Upper level math course    | 3         |
| Minor           | Minor course               | 3         |
|                 |                            | <b>12</b> |

Bachelor of Science Degree Awarded                      Total hours at Tri-C/BW **124**

**BW's Experiential Learning** requirement may be incorporated into the major, minor, or elective courses, summer internships, study abroad, or approved individual experiences.

**Additional information on back**



## A2BW - Associate to Bachelor's Program AS to BS in Computer Science



The A2BW program awards maximum credit for an associate degree from Cuyahoga Community College, streamlining completion of a bachelor's degree from Baldwin Wallace University. A maximum of 62 credits transfers to BW from Tri-C for your AS degree, fulfilling most of the BW core requirements and guaranteeing junior status.

**Disclaimer:** Students should work with a BW academic advisor to identify a minor or second major, electives, and possible Experiential Learning options. A BW advisor also assists students with developing a graduation plan for **full or part time study**.

### **All students must complete:**

- A minimum of 124 semester credits (combined Tri-C and BW)
- A minor or second major
- All residency requirements (45 credits for BW, plus major and minor residency)
- An Experiential Learning requirement (Ex: internship, field experience, study abroad, community service)

Students have the opportunity to attend both institutions at the same time through dual enrollment or cross registration.

### **Dual Enrollment**

For more information about dual enrollment, visit: <https://www.bw.edu/undergraduate-admission/transfer/dual-admission/>

Or contact:

**Joyce J. Cendroski**  
Director of First-Year Recruitment  
Baldwin Wallace University  
(440) 826-8004  
[jcendros@bw.edu](mailto:jcendros@bw.edu)

**Patricia Sweeney**  
Counselor/Assistant Professor  
Cuyahoga Community College  
(216) 987-5159  
[patricia.sweeney@tri-c.edu](mailto:patricia.sweeney@tri-c.edu)

### **Learn More!**

Talk with a BW Admission Counselor about the A2BW or for information about cross registration.

440-826-8012

[admission@bw.edu](mailto:admission@bw.edu)

[www.bw.edu/A2BW](http://www.bw.edu/A2BW)