



A2BW - Associate to Bachelor's Program

AA to BS in Software Engineering



Recommended Minor: Biology, Chemistry, Math or Physics

Suggested Sequence at Tri-C

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

These courses should be selected as part of the AA: **IT 1025, 1050, 2650 or 2670, 2660, BIO 1500/1510 or PHY 1210/1220** and Honors options when available

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

| First Semester | | Credits |
|----------------|-----------------------------|-----------|
| ENG 1010 | College Composition I | 3 |
| IT 1025# | IT Concepts for Programmers | 3 |
| MATH 1610** | Calculus I | 5 |
| COMM 1010 | Speech Communications | 3 |
| | | 14 |

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

| Third Semester | | Credits |
|------------------|-------------------------------------|-----------|
| Arts/Humanities | Elective | 3 |
| IT 2650 or 2670# | Java Programming or C/C++ Prog Lang | 4 |
| MATH 2010** | Intro to Discrete Math | 4 |
| Nat Science/lab# | BIO 1500 or PHY 1210 | 4 |
| Soc/Beh Sci | Elective | 3 |
| | | 18 |

| Fourth Semester | | Credits |
|--------------------------|--------------------------------------|-----------|
| Arts/Humanities | Arts/Humanities elective | 3 |
| IT 2660# | Data Structures | 4 |
| Nat Science/lab# | BIO 1510 or PHY 1220 | 4 |
| Soc/Beh Science | Elective | 3 |
| CSC 235 ONL – BW* | Sys Requirement & Testing | 3 |
| | | 17 |

Associate of Arts Degree Awarded Total hours: **63***
 *A maximum of 62 credits transfers to BW for your AA 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 |
|----------------|-----------------------------|-----------|
| CHM 111 | General Chemistry I | 4 |
| CSC 240 | Object-Oriented Programming | 3 |
| CSC 310 | Software Engineering I | 3 |
| Minor | Minor course | 3 |
| Minor | Minor course | 3 |
| | | 16 |

| Sixth Semester | | Credits |
|----------------|------------------------------------|-----------|
| CHM 112/115 | General Chemistry II w/lab | 5 |
| CSC 311 | Software Engineering II | 3 |
| CSC 335 | Software Validation & Verification | 3 |
| CSC 380 | Database Theory, Appl & Admin | 3 |
| Minor | Minor course | 3 |
| | | 17 |

| Seventh Semester | | Credits |
|------------------|-------------------------------------|-----------|
| CSC 400 | Operating Systems | 3 |
| CSC 430 | Algorithm Design & Analysis | 3 |
| CSC 480 | Senior Software Engineering Proj. 1 | 3 |
| MTH 235 | Prob/Stats for Scientists/Engineers | 3 |
| Minor or ele | Minor course or elective | 3 |
| | | 15 |

| Eighth Semester | | Credits |
|-------------------|----------------------------------|--------------|
| CSC 360 | Info Systems: Project Management | 3 |
| CSC 470X | Senior Internship | 3 |
| CSC 481 | Senior Software Eng. Project II | 3 |
| Minor or elective | Minor or elective, if needed | 2-3 |
| | | 12-13 |

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



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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 AA 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

Patricia Sweeney
Counselor/Assistant Professor
Cuyahoga Community College
(216) 987-5159
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
www.bw.edu/A2BW