



A2BW - Associate to Bachelor's Program

AS 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 AS degree prior to transferring: **MATH 1610, 1620, 2010

These courses should be selected as part of the AS: **IT 1025, 1050, 2650, 2660, BIO 1500/1510, CHM 1300/1310 or PHY 1210/1220 w/labs** and Honors options when available

OT36 refers to the Ohio Transfer 36. Talk with a Tri-C counselor for more information

First Semester		Credits
Arts/Humanities	OT36 Arts/Humanities course	3
ENG 1010	College Composition I	3
IT 1025#	IT Concepts for Programmers	3
Natural Science	OT36 Natural Science no lab	3
Soc/Beh Sci	OT36 Soc/Beh Science course	3
		15

Second Semester		Credits
ENG 1020	College Composition II	3
IT 1050#	Programming Logic	3
MATH 1610**	Calculus I	5
Natural Science	OT36 Natural Science w/lab	4
		15

Third Semester		Credits
IT 2650#	Java Programming	4
MATH 1620**	Calculus II	5
Nat Science/lab#	BIO 1500, CHM 1300 or PHY 1210 w/lab	4
Soc/Beh Sci	OT36 Soc/Beh Science course	3
		16

Fourth Semester		Credits
Arts/Humanities	OT36 Arts/Humanities course	3
IT 2660#	Data Structures	4
MATH 2010**	Intro to Discrete Math	4
Nat Science/lab#	BIO 1510, CHM 1310 or PHY 1220 w/lab	4
		15

Associate of Science Degree Awarded Total hours: **61***

*A maximum of 60 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
CSC 235	System Requirements and Testing	3
CSC 2XX to 4XX or CSC 400	Choose one: CSC 270, 275, 320, 440 or CSC 400 Operating Systems	3
CSC 310	Software Engineering I	3
Minor	Minor course	3
Minor	Minor course	3
		15

Sixth Semester		Credits
CSC 311	Software Engineering II	3
CSC 335 or 360	Software Validation & Verification or Info Sys: Project Management	3
CSC 380	Database Theory, Appl & Admin	3
Minor	Minor course	3
Minor	Minor course	3
		15

Seventh Semester		Credits
CSC 2XX to 4XX or CSC 400	Choose one: CSC 270, 275, 320, 440 or 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
Sci/Math or minor	Sci/Math course or minor	3
		15

Eighth Semester		Credits
CSC 335 or 360	Software Validation & Verification or Info Sys: Project Management	3
CSC 481	Senior Software Eng. Project II	3
CSC 497X	Senior Internship	3
Minor	Minor course	3
Minor	Minor course	3
		15

Bachelor of Science Degree Awarded Total hours at Tri-C/BW: **120**

BW's Experiential Learning requirement will be met through the internship for the major.

[Additional information on back](#)



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Recommended Minor: Biology, Chemistry, Math or Physics



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 60 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 120 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

Campus Transfer Centers
www.tri-c.edu/campustransfercenters

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

This Transfer Pathway completes the Associate of Science degree, which must total at least 60 semester credits and includes 36 credits of the Ohio Transfer 36 (OT36), which are approved Tri-C general education requirements. OT36 details can be found at <https://www.ohiohighered.org/Ohio-Transfer-36>