



# A2BW - Associate to Bachelor's Program

## AS to BS in Biology

### Minor in Chemistry



#### Suggested Sequence at Tri-C

\*\*For the best A2BW fit, students should complete the following math courses as part of the AS degree prior to transferring: **MATH 1410, 1470**

# These courses should be selected as part of the AS: **BIO 1500, 1510, 2331 or higher, 2500, CHM 1300 130L, 1310, 131L and Honors options when available**

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

First Semester		Credits
Arts/Humanities	Elective	3
CHEM 1010	Intro to Inorganic Chemistry	4
ENG 1010	College Composition I	3
PSY 1010	General Psychology preferred	3
COMM 1010 <sup>^</sup>	Fundamentals of Speech Com	3
		<b>16</b>

Second Semester		Credits
BIO 1500#	Principles of Biology I	4
CHEM 1300#	General Chemistry I	4
CHEM 130L#	General Chemistry Lab	1
ENG 1020	College Composition II	3
MATH 1410**	Elem Probability & Statistics I	4
		<b>16</b>

Third Semester		Credits
BIO 2331 or higher#	Human Anat. & Phys 1 or higher	4
BIO 1510#	Principles of Biology II	4
CHEM 1310#	General Chemistry II	4
CHEM 131L#	General Chemistry Lab	1
Elective	Any elective course	3
		<b>16</b>

Fourth Semester		Credits
BIO 2500#	Microbiology	4
Elective	Any elective course	3
MATH 1470**	Modern Math for Bus./Soc Sci	4
SOC 1010	Intro. Sociology suggested	3
		<b>14</b>

Associate of Science Degree Awarded      Total hours: **62\***  
\*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 **BIO 1500, 1510 and MATH 1470** before transfer. (Recommended: MATH 1580 Pre-Calculus for graduate school; MATH 1610 Calculus I for medical school)

Fifth Semester		Credits
BIO 211	Genetics	4
BIO 222	General Botany	3
BIO 363	Biology Seminar	0
CHM 251	Organic Chemistry I	4
CHM 251L	Organic Chemistry I Lab	1
PHY 131	General Physics I	4
PHY 151L	General Physics I Lab	1
		<b>17</b>

Sixth Semester		Credits
BIO 221	General Zoology	3
BIO 263	Sophomore Bio Seminar	1
BIO 363	Biology Seminar	0
CHM 252	Organic Chemistry II	4
CHM 252L	Organic Chemistry II Lab	1
PHY 132	General Physics II	4
PHY 152L	General Physics II Lab	1
		<b>14</b>

Seventh Semester		Credits
BIO 363	Biology Seminar	0
BIO 3XX subj area	Environ./Struc/Func,Cell/Molecular	4
BIO elective	Any biology course for majors	3
CHM 221	Quantitative Analysis	3
CHM 225	Quantitative Analysis Lab	1
CHM 311	Biochemistry	4
CHM 315	Biochemistry Lab	1
		<b>16</b>

Eighth Semester		Credits
BIO 363	Biology Seminar	0
BIO 3XX subj area	Environ./Struc/Func,Cell/Molecular	4
BIO 3XX subj area	Environ./Struc/Func,Cell/Molecular	4
BIO 463	Senior Seminar	1
Electives	Any electives	6
		<b>15</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**



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### Minor in Chemistry



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)