



Cuyahoga Community College & West Virginia University

Associate of Science A.S. leading to
Bachelor of Science in Chemistry B.S.
Suggested Plan of Study



Cuyahoga Community College	Hours	WVU Equivalents	Hours
Year One, 1 st Semester			
ENG 1010/101H – College Composition I/Honors	3	ENGL 101 – Intro to Composition and Rhetoric	3
CHEM 1300 & CHEM 130L, or CHEM 130H – General Chemistry I and Lab	5	CHEM 115 & CHEM 115L + CHEM 1TC – Fundamentals of Chemistry I & Lab	5
MATH 1610/161H – Calculus I	5	MATH 155 + MATH 1TC – Calculus I	5
OT36 Arts & Humanities	3	Arts & Humanities Elective	3
TOTAL	16		16
Year One, 2 nd Semester			
ENG 1020/102H – College Composition II/Honors or ENG 2151 – Technical Writing	3	ENGL 102 – Composition, Rhetoric, and Research or WRIT 305 – Technical Writing	3
CHEM 1310 & CHEM 131L, or CHEM 131H – General Chemistry II and Lab	5	CHEM 116 & CHEM 116L + CHEM 1TC – Fundamentals of Chemistry II & Lab	5
MATH 1620/162H – Calculus II	5	MATH 156 + MATH 1TC – Calculus II	5
OT36 Social and Behavioral Sciences Elective	3	Social & Behavioral Science Elective	3
TOTAL	16		16
Year Two, 1 st Semester			
PHYS 2310 – General Physics I	5	PHYS 111 & PHYS 111L + PHYS 2TC – General Physics I	5
CHEM 2300 – Organic Chemistry I	5	CHEM 233 & CHEM 233L + CHEM 2TC – Organic Chemistry I & Lab	5
OT36 Social and Behavioral Sciences Elective	3	Social & Behavioral Science Elective	3
Elective	4	Elective	4
TOTAL	17		17
Year Two, 2 nd Semester			
PHYS 2320 – General Physics II	5	PHYS 112 & PHYS 112L + PHYS 2TC – General Physics II	5
CHEM 2310 – Organic Chemistry II	5	CHEM 234 & CHEM 234L + CHEM 2TC – Organic Chemistry II & Lab	5
OT36 Arts & Humanities	3	Arts & Humanities Elective	3
Elective	2	Elective	2
TOTAL	15		15
West Virginia University			
Year Three, 1 st Semester		Year Three, 2 nd Semester	
CHEM 215 & CHEM 215L – Intro Analytical Chemistry & Lab	4	CHEM 322 – Intro to Inorganic Chemistry ^(SP Only)	3
Science Pair 2	4	Science Pair 2	4
ARSC 360 ^(Edge Compact 1-4)	3	Focus Area Course ⁽¹⁾	4
General Elective	3	Upper-Division Chemistry Elective ⁽¹⁾	3
General Elective	1	General Elective	1
TOTAL	15	TOTAL	15
Year Four, 1 st Semester		Year Four, 2 nd Semester	
Focus Area Course ⁽¹⁾	4	*CHEM 402 ^(Capstone)	3
Upper-Division Chemistry Elective ⁽²⁾	3	Focus Area Course ⁽²⁾	3
ARSC 380 ^(EDG 5)	1	Upper-Division Chemistry Elective ⁽³⁾	3
General Elective	3	EDG 6: High Impact Experience	3
General Elective	4	General Elective	3
TOTAL	15	TOTAL	15

Course sequence may change based on the individual needs of the student and schedule type required.

New college students may be required during their first semester to participate in GEN 1070, First Year Success Seminar, a one credit hour course. See a Tri-C Counselor for details.

This represents an example of suggested courses to complete the Associate of Science to continue for a bachelor's degree, which must total at least 60 semester credits and includes 36 Ohio Transfer 36 (OT36) credits which approved Tri-C general education requirements. OT36 details can be found at <https://www.ohiohighered.org/Ohio-Transfer-36>. Students should work closely with advisors at both institutions to discuss options.

Students must complete both CHEM 1300 & CHEM 130L (CHEM 115 & CHEM 115L) with a grade of C- or better to be admitted to the Chemistry program when transferring to WVU.

CHEM 191 is recommended by the Chemistry department as a helpful addition.

*CHEM 402 is currently offered in the Fall and Spring semester students can work with their advisor to select the best placement of the course.

Students will need to select a Focus Area from the following with a minimum of 11-credit hours while at WVU:

- Chemistry & Health
- Chemistry & the Environment
- ACS Certified Chemist

Students who transfer from another institution with 60 or more credits or who transfer from another WVU college with 60 or more WVU credits are eligible to take ARSC 360 instead of the 4 courses that comprise Eberly Edge 1-4. Students can request a permit by filling out the Eberly Edge Transfer Permit Request form. (This form will be available in the fall of 2026 for registration for spring 2027).

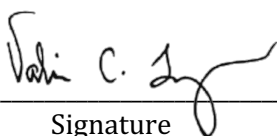
Students transferring to West Virginia University with an Associate of Arts or Associate of Science degree will have satisfied the General Education Foundation requirements at WVU.

Students who have questions regarding this articulation agreement or the transferability of coursework may contact the WVU Office of the University Registrar. All other questions should be directed at the WVU Office of Admissions (304-293-2121).

The above transfer articulation of credit between West Virginia University and Cuyahoga Community College, is approved by the Dean, or the Dean's designee, and effective the date of the signature.

Valérie Lastinger

Print Name



Signature

07/28/2026

Date

Valerie Lastinger Ph.D. Associate Dean for WVU's Eberly College of Arts & Sciences