



# Cuyahoga Community College & West Virginia University

Associate of Science A.S. leading to  
Bachelor of Science in Biology B.S.

Pre-Med Track

Suggested Plan of Study



Cuyahoga Community College	Hours	WVU Equivalents	Hours
Year One, 1 <sup>st</sup> 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 1530 – College Algebra <sup>(Elective)</sup>	3	MATH 126 – College Algebra <sup>(Required)</sup>	3
BIO 1500 – Biology Principles I	4	BIOL 115 & BIOL 115L – Principles of Biology & Principles of Biology Lab	4
<b>TOTAL</b>	15		15
Year One, 2 <sup>nd</sup> Semester			
ENG 1020/102H – College Composition II/Honors	3	ENGL 102 – Composition, Rhetoric, and Research	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 1610/161H – Calculus I	5	MATH 155 + MATH 1TC – Calculus I	5
BIO 1510 – Biology Principles II	4	BIOL 117 & BIOL 117L – Introductory Physiology & Introductory Physiology Lab	4
<b>TOTAL</b>	17		17
Year Two, 1 <sup>st</sup> Semester			
PHYS 1210 – College Physics I or PHYS 2310 – General Physics I	4-5	PHYS 101 – Introductory Physics or PHYS 111 & PHYS 111L + PHYS 2TC – General Physics I	4-5
CHEM 2300 – Organic Chemistry I	5	CHEM 233 & CHEM 233L + CHEM 2TC – Organic Chemistry I & Lab	5
OT36 Arts & Humanities <sup>^</sup>	3	Arts & Humanities Elective	3
PSY 1010/101H – General Psychology/Honors	3	PSYC 101 – Introduction to Psychology <sup>(Required)</sup>	3
<b>TOTAL</b>	15-16		15-16
Year Two, 2 <sup>nd</sup> Semester			
CHEM 2310 – Organic Chemistry II	5	CHEM 234 & CHEM 234L + CHEM 2TC – Organic Chemistry II & Lab	5
SOC 1010/101H – Introductory Sociology/Honors	3	SOC 101 – Introduction to Sociology <sup>(Required)</sup>	3
OT36 Arts & Humanities <sup>^</sup>	3	Arts & Humanities Elective	3
Elective	3	Elective	3
<b>TOTAL</b>	14		14
<b>West Virginia University</b>			
Year Three, 1 <sup>st</sup> Semester		Year Three, 2 <sup>nd</sup> Semester	
BIOL 219 & BIOL 219L – The Living Cell & Lab	4	BIOL 327 – Professional Development	1
PHYS 102 & PHYS 102L: Intro Physics 2 & Lab or PHYS 112 & PHYS 112L: General Physics 2 & Lab	4	BIOL 221 – Ecology and Evolution	3
PHIL 331 – Health Care Ethics	3	Area of Emphasis Course (1)	3
BIOL 223 – Quantitative Biology	3	BIOL Elective Lab (1)	4
General Elective	2	General Elective	3
<b>TOTAL</b>	16	<b>TOTAL</b>	14
Year Four, 1 <sup>st</sup> Semester		Year Four, 2 <sup>nd</sup> Semester	
BIOL 387 – Experimental Design & Comm 1	1	BIOL 487 – Experimental Design & Comm 2	1
Area of Emphasis Course (2)	3	BIOL 320 or BIOL 321 or BIOL 486 <sup>(Capstone)</sup>	3
Area of Emphasis Course (3)	3	Area of Emphasis Course (4)	3
BIOL Elective Lab (2)	4	Area of Emphasis Course (5)	3
General Elective	3	General Elective	3
		General Elective	3
<b>TOTAL</b>	14	<b>TOTAL</b>	16

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 are 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.

**^ Courses must be from two different disciplines.**

Students must have a C- or higher in BIOL 1500, BIO 1510, and CHEM 1300 & CHEM 130L/H (BIOL 115,/L BIOL 117/L, and CHEM 115/L) to be admitted directly into the Biology program upon transferring to West Virginia University.

Students can select from two different Areas of Emphasis (AoE) once at WVU:

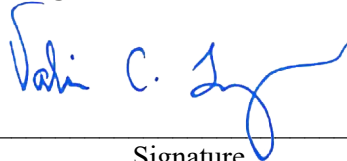
- Human Health
- Global Health

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 to 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



12/9/24

Print Name

Signature

Date

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