

Key:

Key: Bold Courses = count toward AU Core

Underlined Courses= count toward AU Major

SUGGESTED SEQUENCE AT NORTH CENTRAL STATE COLLEGE

Semester One	AU Equivalent	16 Credits
BIOL 1230 Biology I	BIO 201 Molecular and Cellular Basis of Life (NSC: AU Core 1)	4
BIOS 1010 Intro to Bioscience Lab Technique	BIO Elective	4
BIOS 1030 Environmental Science	BIO 110 Ecology and the Human Environment (NSC: AU Core 2)	4
MATH 1110 College Algebra	Math Core Elective {Can take MATH 1130 Pre-calc instead to count toward NCSC & AU major 1 of 2}	4
Semester Two		15 Credits
BIOL 1231 Biology II	BIO 202 Organisms, Adaptation, and Diversity	4
BIOS 1210 Histology	BIO 420 Histology	4
BIOS 2440 Intro to Agricultural Science	BIO Elective	4
ENGL 1010 English Comp I	ENG 101 English Comp I (CP1: AU Core 3)	3
Semester Three		16 Credits
BIOL 1550 Microbiology for Health Professionals	BIO 240 Microbiology for Nursing	3
BIOS 2410 Advance Bioscience Techniques	BIO 297 Intro to Lab & Field Research	4
CHEM 1210 Chemistry I	CHEM 103 General Chemistry I	5
ENGL 1030 English Comp II	ENG 102 English Comp II (CP2: AU Core 4)	3
HLST 1010 CPR/First Aid	General Elective	1
Semester Four		13 Credits
BIOS 2530 Genetics	BIO 303 Genetics	4
BIOS 2550 Pharmaceutical & Toxicology Bioscience	BIO 224 Intro to Biotechnology	4
BIOS 2590 Bioscience Internship/Seminar	BIO 497 Directed Lab & Field Research (1-3)	2
Social Science Elective: ECON 1010 OR PSYC 1010 OR SOCY 1010 OR SOCY 2010 OR SOCY 2030	Choose <u>one</u> elective to count as SS: AU Core 5	3
60 TOTAL CREDIT HOURS TO COMPLETE AA FROM NORTH CENTRAL STATE COLLEGE		

This Transfer Pathway presumes that both NSC, CP1, CP2 and half of SS were taken at North Central State College. The COM, CCI, MLG, REL, HR, HUM, AES, and half of SS core will be met at AU.

Key for Core Classes:

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| COM = Communication | HUM = Humanities |
| CP1 = English Comp I | NCS = Natural Sciences |
| CP2 = English Comp II | SS = Social Sciences |
| MLG = Math/Logic | HR = Historical Reasoning |
| REL = Religion | CCI = Critical Cultural Inquiry |
| AES = Aesthetics | |

SUGGESTED SEQUENCE AT ASHLAND UNIVERSITY

Semester Five	Requirement Details	14 Credits
Institutional Requirement	COM: AU Core 6	3
Biology Elective OR CHEM 104 General Chemistry	Offered Spring only	4 (4)
Institutional Requirement	MLG: AU Core 7 (2 of 2 Math req)	3
BIO 276 Environmental Science Seminar OR BIO 304 Journal Club	Offered Spring only Offered Fall Only	1 (1)
Institutional Requirement	AES: AU Core 8	3
Semester Six		15-16 Credits
BIO 304 Journal Club OR BIO 276 Environmental Science Seminar	Offered Fall Only OR Offered Spring only	1 (1)
Choose one course from three of the following four areas	<u>1 of 3</u> Cellular and Molecular Courses OR Biodiversity Courses OR Physiology Courses OR Ecology & Evolution Courses	3-4
CHEM 104 General Chemistry II OR Biology Elective	Offered Spring only	4 (4)
Institutional Requirement	CCI: AU Core 9	3
Institutional Requirement	REL: AU Core 10	3
BIO 495 Senior Seminar OR BIO 301 Professional Prep	Offered Spring only	1 (1)
Semester Seven		17-18 Credits
Choose one course from three of the following four areas	<u>2 of 3</u> Cellular and Molecular Courses OR Biodiversity Courses OR Physiology Courses OR Ecology & Evolution Courses	3-4
Institutional Requirement	HR: AU Core 11	3
Institutional Requirement	HUM: AU Core 12	3
CHEM 307/307L Organic Chemistry/Lab OR Biology Elective	Offered Fall only	4 (4)
Institutional Requirement	SS: AU Core 13	3
BIO 301 Professional Prep OR BIO 495 Senior Seminar	Offered Spring only	1 (1)
Semester Eight		16-17 Credits
Institutional Requirement	AES: AU Core 14	3
Institutional Requirement	HUM: AU Core 15	3
Choose one course from three of the following four areas	<u>3 of 3</u> Cellular and Molecular Courses OR Biodiversity Courses OR Physiology Courses OR Ecology & Evolution Courses	3-4
Biology Elective OR CHEM 307/307L Organic Chemistry/Lab	Offered Fall only	4 (4)
Biology Elective	If need to reach 60 major hours	3
62-65 CREDIT HOURS TO MEET AU'S BIOLOGY REQUIREMENTS. 122-125 TOTAL CREDIT HOURS TO COMPLETE BS FROM ASHLAND UNIVERSITY, INCLUDING TRANSFER COURSEWORK		

Contact Information:

Ashland University
Paul Hyman, Department Chair
Department of Biology
419-207-6309
phyman@ashland.edu

North Central State College
Elliot Sommer
Program Director, Bioscience
419-755-4788
esommer@ncstatecollege.edu