

Key: **Bold Courses** = count toward AU Core

Underlined Courses = count toward Chemistry degree

SUGGESTED SEQUENCE AT STARK STATE COLLEGE		
Semester One	AU Equivalencies	17 Credits
SSC101 Student Success Seminar	No equivalencies	1
CHM141 General Chemistry I	CHEM 103 General Chemistry (NSC: AU Core 1)	5
Social & Behavioral Science Elective: BUS122 Basic Economics OR BUS221 Microeconomics OR BUS222 Macroeconomics OR PSY121 General Psychology OR SOC225 Diversity in American Society	ECON 101 Market Fundamentals OR ECON 232 Principles of Microeconomics OR ECON 233 Principles of Macroeconomics OR PSYC 101 General Psychology I OR SOC 301 Race Ethnic, and Minority Issues (all count toward SS: AU Core 2)	3
ENG124 College Composition	ENG 101 English Comp I (CP1: AU Core 3)	3
MTH135 Precalculus	MATH 111 Precalculus	5
Semester Two		15 Credits
CHM142 General Chemistry II	CHEM 104 General Chemistry (NSC: AU Core 5)	5
Social & Behavioral Science Elective: BUS122 Basic Economics OR BUS221 Microeconomics OR BUS222 Macroeconomics OR PSY121 General Psychology OR SOC225 Diversity in American Society	ECON 101 Market Fundamentals OR ECON 232 Principles of Microeconomics OR ECON 233 Principles of Macroeconomics OR PSYC 101 General Psychology I OR SOC 301 Race Ethnic, and Minority Issues (all count toward SS: AU Core 6)	3
Arts and Humanities Elective: ENG233 British Literature: MED to 1785 OR ENG237 American Lit: 1865 to Present OR PHL122 Ethics	ENG 217 British Literature OR ENG 203 American Literature OR PHIL 215 Ethics (all count toward HUM: AU Core 7)	3
Elective ⁴ : MTH223 Analytic Geometry-Calculus I	MATH 205 Calculus I (MLG: AU Core 4)	4
Semester Three		15-17 Credits
CHM241 Organic Chemistry I (lab)	CHEM 307 Organic Chemistry I (lab)	5
Natural Science Elective		3-5
Arts and Humanities Elective: ENG233 British Literature: MED to 1785 OR ENG237 American Lit: 1865 to Present OR PHL122 Ethics	ENG 217 British Literature OR ENG 203 American Literature OR PHIL 215 Ethics (all count toward HUM: AU Core 8)	3
Elective ⁴ : MTH224 Analytic Geometry and Calculus II	MATH 206 Calculus II	4
Semester Four		13-15 Credits
CHM242 Organic Chemistry II (lab)	CHEM 308 Organic Chemistry II (lab)	5
Choose one Elective: HIS121 US History I to 1877 OR HIS122 U.S. History II from 1877 OR HIS 221 World Civilization to 17 th Century	HIST 212 American History Through the Civil War OR HIST 213 American History after Civil War OR HIST 112 Western Civilization to 1500 (HR: AU Core 9)	3
Elective: ENG231 College Composition II	ENG 102 English Composition II (CP2: AU Core 10)	3
Elective(s)		2-4
60-64 TOTAL CREDIT HOURS TO COMPLETE AA FROM STARK STATE COLLEGE		

SUGGESTED SEQUENCE AT ASHLAND UNIVERSITY		
Semester Five	Requirement Details	15-16 Credits
PHYS 205 University Physics	Offered fall	5
CHEM 411/411L Quantum Mechanics w/lab OR Institutional Requirement	Offered fall odd OR COM: AU Core 11	3-4
CHEM 320 Quantitative Analysis	Offered fall	4
General Elective		3
Semester Six		14-15 Credits
Institutional Requirement	CCI: AU Core 13	3
PHYS 206 University Physics	Offered spring	5
CHEM 412/412L Thermodynamics w/lab OR Institutional Requirement	Offered spring even OR AES: AU Core 12	3-4
Math 307 Linear Algebra	Offered spring	3
Semester Seven		12-14 Credits
Institutional Requirement	AES: AU Core 14	3
Institutional Requirement OR CHEM 411/411L Quantum Mechanics w/lab	COM: AU Core 11 OR Offered fall odd	3-4
Science elective: 400-level CHEM		3-4
General Elective		3
Semester Eight		13-16 Credits
Institutional Requirement OR CHEM 412/412L Thermodynamics w/lab	AES: AU Core 12 OR Offered spring even	3-4
Science elective: 400-level CHEM		3-4
Institutional Requirement	REL: AU Core 15	3
Science Elective: 400-level CHEM, GEOL, or BIO or 300 level MATH or PHYS course	As needed	3
General Elective	As needed	1-3
120 TOTAL CREDIT HOURS NEEDED TO COMPLETE BS FROM ASHLAND UNIVERSITY, INCLUDING TRANSFER COURSEWORK.		

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

Key for Core Classes:

COM = Communication
CP1 = English Comp I
CP2 = English Comp II
MLG = Math/Logic
REL = Religion
AES = Aesthetics

HUM = Humanities
NSC = Natural Sciences
SS = Social Sciences
HR = Historical Reasoning
CCI = Critical Cultural Inquiry

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