Associate of Science in Pre-actuarial Mathematics
Bachelor of Science in Actuarial Science

Key: Bold Courses = count toward AU Core	Underlined Stark State Courses = count toward AU actuarial science major

SUGGESTED SEQUENCE AT STARK STATE COLLEGE

Semester One	AU Equivalencies	15 Credits
SSC101 Student Success Seminar	ELCT 000	1
MTH 135 Precalculus	Math 111 Precalculus	5
ENG 124 College Comp.	ENG 101 ENG Composition I (CP1: AU Core 1)	3
BUS 124 Business Analysis w/Algebra	ELCT 000	3
BUS 221 Microeconomics	ECON 232 Principles of Microeconomics (SS: AU Core 2)	3

Semester Two		17 Credits
MTH 214 Discrete Mathematics	Math 223 Discrete Mathematics I	3
MTH 223 Analytic Geometry and Calculus I	MATH 205 Calculus I (MLG: AU Core 3)	4
ACC 132 Financial Accounting	ACCT 201 Financial Accounting	4
BUS 222 Macroeconomics	ECON 233 Principles of Macroeconomics (SS: AU Core 4)	3
Choose one Arts & Humanities Elective: HIS 121 US History I: To 1877 OR HIS 122 US History II: From 1877 OR HIS 221 Western Civilization: to 17th Century	HIST 212 American History through Civil War OR HIST 213 American History After Civil War OR HIST 112 Western Civil to 1500 (Choose any toward HR: AU Core 5)	3 (3) (3)

Semester Three		14-15 Credits
MTH 224 Analytic Geometry and Calculus II	MATH 206 Calculus II	4
English Comp & Oral Communication Elective: ENG 231 College Comp II	ENG 102 ENG Comp II (CP2: AU Core 6)	3
Choose one Natural Science Elective: BIO 127 Human Biology OR BIO 126 Sci/Energy & the Environ. OR CHM 141 General Chemistry	BIO 100 Human Bio OR BIO 110 Ecology & the Human Envir. OR CHEM 103 General CHEM (Choose any toward NSC: AU Core 7)	4 (4) (5)
Choose one Arts and Humanities Elective: ENG 237 American Lit.:1865 to Present OR PHL122 Ethics	ENG 203 American Lit OR Phil 215 Ethics (Choose either toward HUM: AU Core 8)	3 (3)

Semester Four		17-18 Credits
MTH 124 Statistics	MATH 108 Introductory Statistics	3
MTH 226 Linear Algebra	MATH 307 Linear Algebra	3
SOC 225 Diversity in American Society	SOC 301 Race, Ethnic, and Minority Issues	3
Mathematics, Statistics, & Logic Core Elective: MTH 225 Analytic Geometry and Calculus III	MATH 305 Calculus III	4
Choose one Natural Science Elective: BIO 127 Human Biology OR BIO 126 Sci/Energy & the Environ. OR CHM 141 General Chemistry	BIO 100 Human Bio OR BIO 110 Ecology & the Human Envir. OR CHEM 103 General CHEM (Choose any toward NSC: AU Core 9)	4 (4) (5)

63-65 TOTAL CREDIT HOURS TO COMPLETE AS FROM STARK STATE COLLEGE

SUGGESTED SEQUENCE AT ASHLAND UNIVERSITY

Semester Five	Requirement Details	15 Credits
FIN 228 Financial Mgmt.	Offered fall and spring	3
Institutional Requirement	COM: AU Core 10	3
Institutional Requirement OR MIS 370 Programming for Business I	REL: Core 11 Offered fall odd	3 (3)
MATH 317 Probability OR MATH 341 Applied Regression Analysis	Offered fall odd OR Offered fall even	3 (3)
MIS 221 Information Technology	Offered fall and spring	3

Semester Six		16 Credits
FIN 329 Intermed. Financial Mgmt.	Offered fall and spring	3
MATH 230 Mathematical Modeling OR MATH 320 Financial Mathematics	Offered spring even OR Offered spring odd	3 (3)
MATH 250 Mathematical Proof	Offered spring	1
Institutional Requirement OR MATH 318 Math. Statistics	HUM: Core 12 OR Offered spring even	3 (3)
Institutional Requirement	AES: Core 13	3
General Elective		3

Semester Seven		15 Credits
FIN 330 Principles of Investment	Offered fall	3
Institutional Requirement	CCI: Core 14	3
MIS 370 Programming for Business I OR Institutional Requirement	Offered fall odd OR REL: Core 11	3 (3)
MATH 341 Applied Regression Analysis OR MATH 317 Probability	Offered fall even OR Offered fall odd	3 (3)
General Elective		3

Semester Eight		11 Credits
MATH 320 Financial Mathematics OR MATH 230 Mathematical Modeling	Offered spring odd OR Offered spring even	3 (3)
MATH 450 Seminar	Offered spring	1
MATH 318 Math. Statistics OR Institutional Requirement	Offered spring even OR HUM: Core 12	3 (3)
Institutional Requirement	AES: Core 15	3
General Elective	1 credit needed to reach required 120 hrs. For full-time status need at least 12 credits.	1

57 CREDIT HOURS TO REACH 120 TOTAL CREDIT HOURS TO COMPLETE BS FROM ASHLAND UNIVERSITY, INCLUDING TRANSFER COURSEWORK

You must earn not less than 120 semester hours to earn a baccalaureate degree. General electives are included to reach 120 hours.

This Transfer Pathway presumes that AU's CP1, CP2, MLG, HR, NSC, SS, and half of HUM have been met at Stark State. The COM, CCI, REL, AES, and half of the HUM core requirements will be met at AU.

Key for Core Classes:

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

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