



Transfer Pathway: Associate of Science in Mathematics to Bachelor of Arts in Mathematics

Columbus State Community College to Ashland University

The Transfer Pathway presumes that AU's CP1, CP2, CCI, MLG, HR, REL, SS, and NSC will be taken at Columbus State. The COM, AES, and HUM will be met at AU.

How to Read the Course Tables

Each sequence below is a single table. Shaded rows mark the start of each semester. Columbus State Community College courses that count toward the Ashland University Core are labeled "AU Core," and courses that count toward the Ashland University major are labeled "AU Major." Courses listed as "Choose one" refer to the category lists in the Course Options and Equivalencies section of this document.

Suggested Sequence at Columbus State Community College

Columbus State Course	Ashland University Equivalency	Credits
Semester One (16 Credits)		
ENGL-1100 Composition I (AU Core)	ENG 101 English Comp. I (CP1: AU Core 1)	3
Choose one: Literature, Cultures & Ideas, Visual/Performing Arts (see Course Options) (AU Core)	HUM, AES, OR REL: AU Core 2	3
COLS-1100 First Year Experience Seminar	FYS 1XXSG First Year Seminar	1
Choose one: Foreign Language Course (see Course Options) (AU Core)	Any Count toward CCI: AU Core 3	4
MATH-1151 Calculus I (AU Core)(AU Major)	MATH 205 Calculus I (MLG: AU Core 4)	5
Semester Two (18 Credits)		
MATH-2366 Discrete Mathematical Structures (AU Major)	MATH 223 Discrete Mathematics I and Math 250 Mathematical Proof	5
Choose one: Intermediate Composition (see Course Options)(AU Core)	Any count toward ENG 102 English Comp. II (CP2: AU Core 5)	3
MATH-1152 Calculus II (AU Major)	MATH 206 Calculus II	5

Columbus State Course	Ashland University Equivalency	Credits
PHYS-1250 Calculus-Based Physics I	PHYS 205 University Physics	5
Semester Three (6 Credits)		
Choose one: Social & Behavioral Science (see Course Options)(AU Core)	Any count toward SS: AU Core 6	3
Choose one: Historical Study Course (see Course Options) (AU Core)	Any count toward HR: AU Core 7	3
Semester Four (12-13 Credits)		
MATH-2153 Calculus III (AU Major)	MATH 305 Calculus III	5
Natural Science w/lab (see Course Options)	Any count toward NSC: AU Core 8	4-5
ECON-2200 Principles of Microeconomics OR Social & Behavioral Science (see Course Options)	Any count toward SS: AU Core 9	3
Semester Five (12-13 Credits)		
MATH-2255 Elementary Differential Equations (AU Major)	MATH 313 Differential Equations (1 of 3)	4
MATH-2568 Elementary Linear Algebra (AU Major)	MATH 307 Linear Algebra	4
Natural Science (see Course Options)	Any count toward NSC: AU Core 10	4-5
64-66 total Credit Hours to complete AA from Columbus State Community College		

Suggested Sequence at Ashland University

Ashland University Course	Requirement Details	Credits
Semester Five (12 Credits)		
CS 101 Logic and Computing	Offered fall	3
MATH 108 Intro to Statistics		3
MATH 417 Real Analysis OR MATH 415 Abstract Algebra	Offered Fall Odd Offered Fall Even	3
Institutional Requirement	HUM, AES, OR REL: AU Core 11	3
Semester Six (15 Credits)		
MATH 230 Mathematical Modeling OR General Elective	Offered Spring Even	3
Choose one (2 of 3) (check course rotations)	CS 302, MATH 224, MATH 308, MATH 309, MATH 311, MATH 317, MATH 319, MATH 341, MATH 498	3
Institutional Requirement	COM: AU Core 12	3
Institutional Requirement	HUM, AES, OR REL: AU Core 13	3
General Elective		3
Semester Seven (15 Credits)		

Ashland University Course	Requirement Details	Credits
MATH 415 Abstract Algebra OR MATH 417 Real Analysis	Offered Fall Even Offered Fall Odd	3
Choose one (3 of 3) (check course rotations)	CS 302, MATH 224, MATH 308, MATH 309, MATH 311, MATH 317, MATH 319, MATH 341, MATH 498	3
General Elective		3
Institutional Requirement	HUM: AU Core 14	3
Institutional Requirement	AES: AU Core 15	3
Semester Eight (12-14 Credits)		
MATH 450 Seminar	Offered Spring	1
General Elective OR MATH 230 Mathematical Modeling	Offered Spring Even	3
General Elective		3
General Elective		3
General Elective		1-3
120 total credit hours to complete the Bachelor of Arts in Mathematics from Ashland University, including transfer coursework		

Course Options and Ashland University Equivalencies

Use these lists when a semester row says "Choose one." Each row shows a Columbus State Community College course and the Ashland University course it transfers as.

Intermediate Composition

Columbus State Community College Course	Ashland University Equivalency
ENGL-2367 - Composition II	ENG 102 English Composition II
ENGL-2567 - Comp II Writing about Gender & Identity	ENG 102 English Composition II
ENGL-2667 - Comp II American Working-Class Identity	ENG 102 English Composition II

Historical Study

Columbus State Community College Course	Ashland University Equivalency
HIST-1111 - European History to 1648	HIST 112 Western Civilization to 1500
HIST-1112 - European History Since 1648	HIST 113 Western Civilization from 1500
HIST-1151 - American History to 1877	HIST 212 American History Through the Civil War
HIST-1152 - American History Since 1877	HIST 213 American History after the Civil War

Columbus State Community College Course	Ashland University Equivalency
HIST-1181 - World Civ I Non-Western to 1500	HIST 112 Western Civilization to 1500
HIST-1182 - World Civ II Non-Western Since 1500	HIST 113 Western Civilization from 1500

Foreign Language

Columbus State Community College Course	Ashland University Equivalency
FREN-1101 - Beginning French I	FREN 151 Elementary French I
FREN-1102 - Beginning French II	FREN 152 Elementary French II
LATN-1101 - Beginning Latin I	LTN 110 Elementary Latin I
SPAN-1101 - Beginning Spanish I	SPAN 171 Elementary Spanish I
SPAN-1102 - Beginning Spanish II	SPAN 172 Elementary Spanish II

Social & Behavioral Science

Columbus State Community College Course	Ashland University Equivalency
ECON-1110 - Intro to Economics	ECON 101 Market Fundamentals
ECON-2200 - Principles of Microeconomics	ECON 232 Principles of Microeconomics
ECON-2201 - Principles of Macroeconomics	ECON 233 Principles of Macroeconomics
PSY-1100 - Introduction to Psychology	PSYC 101 General Psychology
PSY-2551 - Adolescent Psychology	PSYC 218 Psychology of Adolescence
SOC-1101 - Introduction to Sociology	SOC 111 Principles of Sociology
SOC-2330 - Marriage and Family Relations	SOC 340 Marriage and Family Relationships
SOC-2380 - American Race & Ethnic Relations	SOC 301 Race, Ethnic, and Minority Issues

Natural Sciences

Columbus State Community College Course	Ashland University Equivalency
BIO-1107 - Human Biology	BIO 100 Human Biology
BIO-1111 - Intro to Biology	BIO 100 Human Biology
BIO-1113 - Biological Sciences I	BIO 201 Molecular & Cellular Basis of Life
BIO-1114 - Biological Sciences II	BIO 202 Organisms, Adaptation, and Diversity
BIO-1127 - Introduction to Environmental Science	BIO 110 Ecology and the Human Environment
ASTR-1161 - The Solar System	PHYS 107 The Hidden Life of the Stars
ASTR-1162 - Stars and Galaxies	PHYS 107 The Hidden Life of the Stars
CHEM-1111 - Elementary Chemistry I	CHEM 251 Molecular Architecture
CHEM-1112 - Elementary Chemistry II	CHEM 253 Chemical Perspectives on Life

Columbus State Community College Course	Ashland University Equivalency
CHEM-1171 - General Chemistry I	CHEM 103 General Chemistry
CHEM-1172 - General Chemistry II	CHEM 103 General Chemistry
CHEM-1200 - Intro to General & Organic Chemistry	CHEM 253 Chemical Perspectives on Life
GEOL-1151 - Natural Disasters	GEOL 209 Natural Disasters: Volcanoes and Earthquakes

Literature, Cultures & Ideas, Visual/Performing Arts

Columbus State Community College Course	Ashland University Equivalency
ENGL-2201 - British Literature Medieval to 1800	ENG 217 British Literature
ENGL-2202 - British Literature 1800 to Present	ENG 217 British Literature
ENGL-2220 - Introduction to Shakespeare	ENG 317 Studies in Shakespeare
ENGL-2260 - Introduction to Poetry	ENG 308 The Poem
ENGL-2276 - Women in Literature	ENG 314 Literature and Gender
ENGL-2281 - African American Literature	ENG 309 African American Literature
ENGL-2290 - Colonial and U.S. Literature to 1865	ENG 203 American Literature
ENGL-2291 - U.S. Literature 1865 to Present	ENG 203 American Literature
HUM-1270 - Comparative Religions	REL 107 Exploring World Religions
PHIL-1101 - Intro to Philosophy	PHIL 104 Intro to Philosophy
PHIL-1130 - Ethics	PHIL 215 Ethics
MUS-1251 - Survey of Music History	MUS 225 Musical Style
THEA-1100 - Introduction to Theatre	TH 203 Theatre Aesthetics

Key for Core Classes

Abbreviation	Meaning
COM	Communication
CP1	English Comp I
CP2	English Comp II
HUM	Humanities
NSC	Natural Sciences
SS	Social Sciences
MLG	Math/Logic
HR	Historical Reasoning
REL	Religion

Abbreviation	Meaning
CCI	Critical Cultural Inquiry
AES	Aesthetics

Contact Information

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