

Arkansas Mathematics Pathways Transfer Inventory Guide 2025



Last updated Summer 2025

Kept up-to-date for version control

For your reference, this spreadsheet contains detailed mathematics course requirements by program for all public universities in Arkansas. Be sure to reference the [Arkansas Course Transfer Systems database](#) to identify which mathematics courses will transfer: <https://tinyurl.com/4xrpjppj>

Please contact **Mason Campbell** (mason.campbell@adhe.edu) or **Tracy Harrell** (tracy.harrell@adhe.edu) if any information in this inventory needs to be updated.

Data were assembled from institutional course catalogs, academic program websites, and feedback from insitutional contacts. Data are accurate and have been updated to the best of our ability as of September 2025. We recommend that you verify information directly with universities before pursuing a program of study.

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Name of Institution	Name on Inventory Sheet	Institutional Contact for 2025 Updates	Institutional Contact Email Address	Institutional Transfer Equivalency Guide
Arkansas State University	ASU	Dr. Amanda Lambertus (confirmed 4/30/25)	alambertus@astate.edu	https://asutep.astate.edu/
Arkansas Tech University	ATU	Jamie King (confirmed 4/29/25)	jhuggins1@atu.edu	https://www.atu.edu/registrar/transfer.php
Henderson State University	HSU	Dr. Sharon Paredes (confirmed 4/18/25)	paredes@hsu.edu	https://www.hsu.edu/academics/registrar/transfer-and-credit/
Southern Arkansas University	SAU	Amy Womack (confirmed 4/18/25)	AmyWomack@saumag.edu	https://web.saumag.edu/admissions/apply/transfer/tes/
University of Arkansas	UAF	Dr. Matt Clay (confirmed 4/29/25)	mattclay@uark.edu	https://courseequivalency.uark.edu/
University of Arkansas Fort Smith	UAFS	Dr. Margaret Tanner (confirmed 4/24/25)	margaret.tanner@uafs.edu	https://uafs.edu/admissions/transfer/transfer-credit-guide.php
University of Arkansas Little Rock	UALR	Dr. Annie Childers (confirmed 4/22/25)	abchilders@ualr.edu	https://ualr.edu/records/transfer/tca/? ga=2.100314078.1183402793.1619014884-79991561.1619014884
University of Arkansas Monticello	UAM	Colleen Hammock (confirmed 4/18/25)	hammockc@uamont.edu	https://www.uamont.edu/academics/academic-advising.html
University of Arkansas Pine Bluff	UAPB	Dr. Eddie Branch (confirmed 5/8/25)	branche@uapb.edu	https://uapb.catalog.acalog.com/content.php?catoid=3&navoid=85
University of Central Arkansas	UCA	Brian Corbin (confirmed 4/20/25)	bcorbin@uca.edu	https://uca.edu/registrar/transfer_course/

Arkansas State University

2025 General Education Core Math Requirement:

3 hours selected from the following: [MATH 1043](#)*, MATH 1023**, STAT 2003, or any MATH course that requires MATH 1023 as a prerequisite

*Quantitative Reasoning will satisfy the math requirement unless otherwise noted in the "General Education Requirements" section of a degree plan

**College Algebra required for Science, Technology, Engineering, and Math majors

ASU Transfer Course Equivalency Guide:

<https://asutep.astate.edu/>

Course Guide - Below is a key for all courses listed below under Math Requirements, including course number and course name.

Source for Math Requirements found at: <https://catalog.astate.edu/index.php>

ACCT 4133 Accounting Statistics	MATH 2194 Survey of Calculus	MATH 4563 Advanced Calculus II
AGRI 3233 Applied Agricultural Statistics	MATH 2204 Calculus I	MATH 4573 Actuarial Science Seminar
BIO 4043 Biometrics	MATH 2214 Calculus II	MATH 4581 Mathematics Seminar
CHEM 3054 Quantitative Analysis	MATH 3003 Geometry for the Middle School Teacher	MLED 4012 Methods and Materials for Teaching Math
ECON 2113 Business Statistics	MATH 3133 Mathematics for School Teachers III	PHLT 3203 Biostatistics for Public Health
EDMA 4563 Methods & Materials for Teaching Mathematics in the Secondary School	MATH 3243 Linear Algebra	PHYS 4353 Mathematical Physics
ELED 4122 Methods of STEM Mathematics	MATH 3254 Calculus III	PSY 3103 Quantitative Methods for Behavioral Science
ELSE 4233 Mathematics Strategies/Exceptional Learners	MATH 3273 Applied Complex Analysis	RS 4463 Statistics for Medical Imaging
ENGR 2401 Applied Engineering Statistics	MATH 3303 Modern Algebra I	SOC/CRIM 2383 Social Statistics
ENGR 4453 Numerical Methods for Engineers	MATH 3323 Mathematical Modeling	STAT 2003 Introduction to Statistics
ES 3743 Research & Statistical Methods/Exercise Science	MATH 3343 College Geometry	STAT 3033 Statistics for Health Professions
MATH 1023 College Algebra	MATH 3353 History of Mathematics	STAT 3233 Applied Statistics I
MATH 1033 Plane Trigonometry	MATH 3373 Math for Secondary Teachers	STAT 4443 Stochastic Processes
MATH 1043 Quantitative Reasoning	MATH 4373 Financial Mathematics	STAT 4453 Probability and Statistics I
MATH 1054 Precalculus Mathematics	MATH 4403 Differential Equations	STAT 4463 Probability and Statistics II
MATH 1093 Making Connections - Mathematics	MATH 4413 Partial Differential Equations	STAT 4473 Applied Statistics II
MATH 2113 Mathematics for School Teachers I	MATH 4423 Modern Algebra II	STAT 4483 Statistical Methods Using R
MATH 2123 Mathematics for School Teachers II	MATH 4513 Applied Mathematics	TECH 3773 Statistics
MATH 2143 Business Calculus	MATH 4533 Numerical Methods	
MATH 2183 Discrete Structures	MATH 4553 Advanced Calculus I	

Degree	Field of Study/Major	Math Hours Required	Math Requirements NOTES: semi-colon signals "and" Blue text = programs of study that ACCEPT Quantitative Reasoning <i>Courses in italics are prerequisites to other listed courses and are not factored into total math hours calculation</i>
University College			
BGS	General Studies	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BSIS	Interdisciplinary Studies	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BAS	Organizational Supervision	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
College of Agriculture			
BSA	Agriculture Business	6	MATH 1023; AGRI 3233 or STAT 3233 or TECH 3773
BSA	Agriculture Business: Agricultural Economics & Finance	9	MATH 1023; MATH 2143; AGRI 3233 or STAT 3233 or TECH 3773
BSA	Agriculture Business: Agricultural Marketing & Management	6	MATH 1023; AGRI 3233 or STAT 3233 or TECH 3773
BSA	Agricultural Studies	6	MATH 1023; AGRI 3233 or STAT 3233 or TECH 3773
BSA	Agricultural Studies: Agricultural Education	6	MATH 1023; AGRI 3233 or STAT 3233
BSA	Animal Science: Equine Management	6	MATH 1023; AGRI 3233 or STAT 3233 or TECH 3773
BSA	Animal Science: Pre-veterinary	9-10	MATH 1023; MATH 1033 or MATH 1054; AGRI 3233 or STAT 3233 or TECH 3773
BSA	Animal Science: Production and Management	6	MATH 1023; AGRI 3233 or STAT 3233 or TECH 3773
BSA	GIS and Precision Agriculture	6	MATH 1023; AGRI 3233 or STAT 3233 or TECH 3773
BSA	Plant and Soil Science: Agronomy	6	MATH 1023; AGRI 3233 or STAT 3233 or TECH 3773
Neil Griffin College of Business			
BS	Accounting with Data Analytics	6	MATH 1023; STAT 2003 or ECON 2113
BS	Accounting with Data Analytics: CPA	6	MATH 1023; STAT 2003 or ECON 2113
BS	Business Administration	6	MATH 1023; STAT 2003 or ECON 2113
BS	Business Administration: Business Law & Compliance	6	MATH 1023; STAT 2003 or ECON 2114

BS	Business Economics	6	MATH 1023; STAT 2003 or ECON 2113
BA	Economics	6	MATH 1023; STAT 3233 or ECON 2113
BA	Economics: Pre-Law	3	MATH 1023
BS	Entrepreneurial Management and Strategic Leadership	6	MATH 1023; STAT 2003 or ECON 2113
BS	Entrepreneurial Management and Strategic Leadership: Human Resources Management	6	MATH 1023; STAT 2003 or ECON 2113
BS	Finance: Banking	6	MATH 1023; STAT 2003 or ECON 2113
BS	Finance: Financial Management	6	MATH 1023; STAT 2003 or ECON 2113
BS	Finance: Financial Services	6	MATH 1023; STAT 2003 or ECON 2113
BS	Global Supply Chain Management	6	MATH 1023; STAT 2003 or ECON 2113
BS	Hospitality and Event Tourism Management	6	MATH 1023; STAT 2003 or ECON 2113
BS	Information Systems and Audit Control	6	MATH 1023; STAT 2003 or ECON 2113
BS	Information Systems and Business Analytics	6	MATH 1023; STAT 2003 or ECON 2113
BS	International Business	6	MATH 1023; STAT 2003 or ECON 2113
BS	Marketing	6	MATH 1023; STAT 2003 or ECON 2113
BS	Marketing: Sales Leadership	6	MATH 1023; STAT 2003 or ECON 2113
BA	Organizational Leadership	6	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
College of Education and Behavioral Science			
BSE	Elementary Education	14	MATH 1023 or MATH 1043; MATH 2113; MATH 2123; MATH 3133; ELED 4122
BS	Exercise Science	6	MATH 1023; ES 3743
BSE	Middle Level Education: English/Language Arts	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BSE	Middle Level Education: Mathematics	21	MATH 1023; MATH 2113; MATH 2123; MATH 2194 or MATH 2204; MATH 3003; MATH 3133; MLED 4012
BSE	Middle Level Education: Science	3	MATH 1023
BSE	Middle Level Education: Social Studies	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BSE	Physical Education	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Psychology	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Psychology	6	MATH 1023 or MATH 1043 or STAT 2003; PSY 3103
BSE	Special Education K-12	12	MATH 1023 or MATH 1043; MATH 2113; MATH 2123; ELSE 4233
BS	Sport Management	6	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite; ES 3743
College of Engineering and Computer Science			
BSCE	Civil Engineering	22	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054); MATH 2214; MATH 3254; MATH 4403; ENGR 2401; ENGR 2403; ENGR 4453
BA	Computer Science	12-13	MATH 1023; MATH 2183 (prerequisite: MATH 1054); MATH 2204 or MATH 2143 or MATH 2194; STAT 3233
BS	Computer Science	17	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054); MATH 2183; MATH 2214; MATH 3243; STAT 3233
BS	Computer Systems Engineering (offered only @ ASU Qatar)	22	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054); MATH 2214; MATH 3254; MATH 4403; ENGR 2401; ENGR 2403; ENGR 4453
BS	Construction Management	9	MATH 1023; TECH 3773; 3 credit hours chosen from the following: MATH 2143 or MATH 2194 or MATH 2204 or MATH 2214 or MATH 3254 or MATH 3353 or MATH 4553 or MATH 4563
BS	Data Science & Data Analytics: Data Analytics in Business	18-19	MATH 1023; STAT 3133; STAT 3233; STAT 3243; MATH 2143 or MATH 2194 or MATH 2204; STAT 4473
BS	Data Science & Data Analytics: Data Analytics in Geospatial Technology	15-16	MATH 1023; STAT 3133; STAT 3233; STAT 3243; MATH 2143 or MATH 2194 or MATH 2204
BS	Data Science & Data Analytics: Data Analytics in Healthcare	15-16	MATH 1023; STAT 3133; STAT 3233; STAT 3243; MATH 2143 or MATH 2194 or MATH 2204
BS	Data Science and Data Analytics: Data Analytics in Social Data Analytics	15-16	MATH 1023; STAT 3133; STAT 3233; STAT 3243; MATH 2143 or MATH 2194 or MATH 2204
BS	Data Science and Data Analytics: Data Science in Computer Science	30	MATH 1023; STAT 3133; STAT 3233; STAT 3243; MATH 1054; MATH 2183; MATH 2204; MATH 2214; MATH 3243
BS	Data Science and Data Analytics: Data Science in Engineering	34	MATH 1023; STAT 3133; STAT 3233; STAT 3243; MATH 1054; MATH 2183; MATH 2204; MATH 2214; MATH 3243; ENGR 2401; ENGR 2403
BS	Data Science and Data Analytics: Data Science in Geospatial Technology	30	MATH 1023; STAT 3133; STAT 3233; STAT 3243; MATH 1054; MATH 2183; MATH 2204; MATH 2214; MATH 3243

BSEE	Electrical Engineering	22-25	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054) ; MATH 2214; MATH 3254; MATH 4403; ENGR 2401; ENGR 2403; ENGR 4453; 3 credit hours chosen from the following: MATH 3243 or MATH 3273 or MATH 3303 or MATH 3323 or MATH 4513 or MATH 4533 or MATH 4553 or ENG 3043 or ENGR 349V
BS	Electrical Systems Engineering	22	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054) ; MATH 2214; MATH 3254; ENGR 2401; ENGR 2403; ENGR 4453; MATH 4403
BS	Engineering Management Systems	9	MATH 1023; TECH 3773; 3 credit hours chosen from the following: MATH 2143 or MATH 2194 or MATH 2204 or MATH 2214 or MATH 3254 or MATH 3353 or MATH 4553 or MATH 4563
BS	Engineering Technology: Computer Systems	6	MATH 1023; TECH 3773 or STAT 3233
BS	Engineering Technology: Manufacturing and CAD	9	MATH 1023; MATH 1033 or MATH 1054; TECH 3773 or STAT 3233
BS	Engineering Technology: Technical Studies	6	MATH 1023; TECH 3773 or STAT 3233
BS	Industrial Systems Engineering	22	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054) ; MATH 2214; MATH 3254; MATH 4403; ENGR 2401; ENGR 2403; ENGR 4453
BSME	Mechanical Engineering	22-25	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054) ; MATH 2214; MATH 3254; MATH 4403; ENGR 2401; ENGR 2403; ENGR 4453; 3 credit hours chosen from the following: MATH 3243 or MATH 3273 or MATH 3303 or MATH 3323 or MATH 3343 or MATH 4423 or MATH 4513 or MATH 4533 or MATH 4553 or MATH 4563 or STAT 4453 or STAT 4463
BS	Mechanical Systems Engineering	22-25	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054) ; MATH 2214; MATH 3254; MATH 4403; ENGR 2401; ENGR 2403; ENGR 4453; 3 credit hours chosen from the following: MATH 3243 or MATH 3303 or MATH 3323 or MATH 3343 or MATH 4423 or MATH 4513 or MATH 4533 or MATH 4553 or MATH 4563 or STAT 4453 or STAT 4463
College of Liberal Arts and Communication			
BFA	Art: Art Education	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BFA	Art: Art History	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BFA	Art: Studio Art	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Communication Studies	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Communication Studies: Interpersonal Communication	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Communication Studies: Organizational Communication	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Communication Studies: Public Communication	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Creative Media Production: Corporate Media	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Creative Media Production: Graphic Communication	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Creative Media Production: Media Ministry	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Creative Media Production: Sports Media	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Criminology	6	MATH 1023; SOC/CRIM 2383
BS	Digital Technology and Design: Animation & Motion Graphics	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Digital Technology and Design: Artificial Intelligence (AI)	6	MATH 1023; MATH 2013
BS	Digital Technology and Design: Cloud Computing and Cybersecurity Design	6	MATH 1023; MATH 2013
BS	Digital Technology and Design: Game Design	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Digital Technology and Design: Graphic Communications	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Digital Technology and Design: Mobile Application Development	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Digital Technology and Design: Social Media Management	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Digital Technology and Design: Software Design and Development	6	MATH 1023; MATH 2013
BS	Digital Technology and Design: Web Design	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Digital Technology and Design: Web Development	6	MATH 1023; MATH 2013
BA	English	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BSE	English	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Fashion Merchandising and Marketing	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BFA	Graphic Design	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	History	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BME	Instrumental Music	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Mass Communication: Creative Media	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Mass Communication: News	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite

BS	Mass Communication: Sports Media	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BM	Music: Composition	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BM	Music: Instrumental Performance	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BM	Music: Jazz Studies	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BM	Music: Keyboard Performance	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BM	Music: Music Industry	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BM	Music: Voice Performance	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Philosophy	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Political Science	3	MATH 1023
BSE	Social Science	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Sociology	6	MATH 1023; SOC/CRIM 2383
BS	Strategic Communication	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Theatre	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Theatre: Acting	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Theatre: Design and Technology	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	Theatre: Musical Theatre	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BME	Vocal Music	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	World Languages and Cultures: French	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	World Languages and Cultures: Global Studies	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BA	World Languages and Cultures: Spanish	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
College of Nursing and Health Professions			
BS	Clinical Laboratory Sciences	3	MATH 1023
BS	Communication Sciences & Disorders	6	MATH 1023; PSY 3103 or SOC 2383 or STAT 3033 or STAT 3233 <i>Note: MATH 1033 and MATH 2204 required for some PHYS courses</i>
BS	Disaster Preparedness & Emergency Management	3	MATH 1023
BS	Health Studies: Non-professional Track	3	MATH 1023 or MATH 1043 or STAT 2003 or higher-level math course with MATH 1023 as a prerequisite
BS	Health Studies: Professional Track	3	MATH 1023
BSN	Nursing	6	MATH 1023; STAT 2003 or higher
BSN	Nursing: LPN to BSN Option	6	MATH 1023; STAT 2003 or higher
BSN	Nursing: RN to BSN Option	6	MATH 1023; STAT 2003 or higher
BSN	Nursing: Second Degree Accelerated Program	6	MATH 1023; STAT 2003 or higher
BS	Nutrition and Dietetics	6	MATH 1023; STAT 3033 or STAT 3233
BS	Occupational and Environmental Safety and Health	6	MATH 1023; STAT 3233
BS	Public Health	9	MATH 1023; PHLT 3203; STAT 3233
BSRS	Radiologic Sciences: Cardiovascular-Interventional Technology	3	MATH 1023
BSRS	Radiologic Sciences: Diagnostic Medical Sonography	3	MATH 1023
BSRS	Radiologic Sciences: Magnetic Resonance Imaging	3	MATH 1023
BSRS	Radiologic Sciences: Mammography/Breast Sonography	3	MATH 1023
BSRS	Radiologic Sciences: Radiation Therapy	3	MATH 1023
BSRS	Radiologic Sciences: Imaging Specialist (Bridge Program)	6	MATH 1023 or MATH 1043; RS 4463
BSW	Social Work	6	MATH 1023 or MATH 1043 or STAT 2003; SOC 2383 (<i>prerequisite: MATH 1023</i>)
College of Sciences and Mathematics			
BS	Actuarial Science	39	MATH 2204 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1054</i>); MATH 2214; MATH 3243; MATH 3254; MATH 4373; MATH 4403; MATH 4573; STAT 3233; STAT 4443; STAT 4453; STAT 4463; STAT 4483
BS	Biochemistry	7	MATH 2204 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1054</i>); STAT 3233
BS	Biological Sciences: Evolution, Ecology and Organismal Biology	7	MATH 2194 (<i>prerequisite: MATH 1023 or MATH 1054</i>) or MATH 2204 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1054</i>); BIO 4043 or STAT 3233
BS	Biological Sciences: Pre-Professional Studies	4-7	MATH 2194 (<i>prerequisite: MATH 1023 or MATH 1054</i>) or MATH 2204 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1054</i>) <i>Note: BIO 4043 or STAT 3233 are optional electives.</i>
BS	Biological Sciences: Pre-Veterinary	6-7	MATH 1033 (<i>prerequisite: MATH 1023</i>) or MATH 1054 (<i>prerequisite: MATH 1023</i>); BIO 4043 or STAT 3233
BS	Biotechnology	7	MATH 2194 (<i>prerequisite: MATH 1023 or MATH 1054</i>) or MATH 2204 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1054</i>); STAT 3233

BA	Chemistry	4	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054)
BA	Chemistry: Pre-pharmacy	4	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054)
BS	Chemistry	16	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054); MATH 2214; MATH 3254; CHEM 3054
BS	Environmental Science	7	MATH 2194 (prerequisite: MATH 1023 or MATH 1054) or MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054); BIO 4043 or STAT 3233
BS	Mathematics	47	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054); MATH 2183; MATH 2214; MATH 3243; MATH 3254; MATH 3303; MATH 4403; MATH 4553; STAT 3233; STAT 4453; MATH 4423 or MATH 4563 or STAT 4463; 12 credit hours selected from: MATH 3273 or MATH 3323 or MATH 3343 or MATH 3353 or MATH 4413 or MATH 4423 or MATH 4513 or MATH 4533 or MATH 4563 or STAT 4113 or STAT 4463 or STAT 4483
BSE	Mathematics Education	46	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054); MATH 2183; MATH 2214; MATH 3243; MATH 3254; MATH 3303; MATH 3323; MATH 3343; MATH 3353; MATH 3373; MATH 4553; MATH 4581; STAT 3233; STAT 4453; EDMA 4563
BS	Physics	18	MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054); MATH 2214; MATH 3254; MATH 4403; PHYS 4353
BS	Wildlife, Fisheries and Conservation: Fisheries	7	MATH 2194 (prerequisite: MATH 1023 or MATH 1054) or MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054); BIO 4043 or STAT 3233
BS	Wildlife, Fisheries and Conservation: Wildlife	7	MATH 2194 (prerequisite: MATH 1023 or MATH 1054) or MATH 2204 (prerequisite: MATH 1023 and MATH 1033 or MATH 1054); BIO 4043 or STAT 3233

Arkansas Tech University

2025 General Education Core Math Requirement:

3 hours selected from the following: [MATH 1003](#), MATH 1113, STAT 2163, or any higher level mathematics course

ATU Transfer Course Equivalency Guide:

<https://www.atu.edu/registrar/transfer.php>

Course Guide - Below is a key for all courses listed below under Math Requirements, including course number and course name.

Source for Math Requirements found at: <https://catalog.atu.edu/>

BDA 3013 Business Spreadsheet Modeling	MATH 2924 Calculus II	STAT 2163 Introduction to Statistical Methods
BDA 3033 Data Modeling and Management	MATH 2934 Calculus III	STAT 2303 Statistical Methods
ELEG/MCEG 3003 System Modeling and Analysis	MATH 3033 Methods of Teaching Elementary Math	STAT 3113 Regression Analysis
FW 3173 Biostatistics	MATH 3123 College Geometry	STAT 3153 Applied Statistics
MATH 1001 Orientation to Mathematics	MATH 3203 Introduction to Analysis	STAT 3183 Statistical Process Control
MATH 1003 College Mathematics	MATH 3243 Differential Equations I	STAT 3203 Actuarial Probability I
MATH 1113 College Algebra	MATH 3703 Mathematics in Middle & Secondary Schools	STAT 3213 Actuarial Probability II
MATH 1203 Plane Trigonometry	MATH 3771 Praxis Mathematics: Content Knowledge Test Preparation	STAT 4113 Categorical Data Analysis
MATH 1914 Precalculus	MATH 4003 Linear Algebra I	STAT 4153 Experimental Design and Analysis
MATH 2033 Mathematical Concepts I	MATH 4033 Abstract Algebra I	STAT 4163 Mathematical Statistics
MATH 2043 Mathematical Concepts II	MATH 4123 Mathematical Modeling	STAT 4173 Advanced Biostatistics
MATH 2223 Quantitative Business Analysis	MATH 4273 Complex Variables	STAT 4283 Financial Mathematics I
MATH 2243 Calculus for Business and Economics	MATH 4703 Special Methods in Mathematics	STAT 4293 Financial Mathematics II
MATH 2703 Discrete Mathematics	MATH 4971 Mathematics Senior Seminar	STAT 4383 Machine Learning
MATH 2914 Calculus I	PSY/SOC 2053 Statistics for the Behavioral Sciences	STAT 4393 Statistical Learning

Math Requirements

NOTES: semi-colon signals "and"

Blue text = programs of study that ACCEPT Quantitative Literacy

Courses in italics are prerequisites to other listed courses and are not factored into total math hours calculation

Degree	Field of Study/Major	Math Hours Required	
College of Arts and Humanities			
BA	Anthropology and Geography: Anthropology	3	MATH 1003 or MATH 1113 or higher level math course
BA	Anthropology and Geography: Geography	3	MATH 1003 or MATH 1113 or higher level math course
BA	Art Education	3	MATH 1003 or MATH 1113 or higher level math course
BA	Communication	3	MATH 1003 or MATH 1113 or higher level math course
BA	Communication: Theatre and Film Production	3	MATH 1003 or MATH 1113 or higher level math course
BFA	Creative Writing	3	MATH 1003 or MATH 1113 or higher level math course
BA	Criminal Justice and Criminology	6	MATH 1003 or MATH 1113 or higher level math course; PSY/SOC 2053
BA	Digital Content Creation	3	MATH 1003 or MATH 1113 or higher level math course
BA	English	3	MATH 1003 or MATH 1113 or higher level math course
BA	English Education	3	MATH 1003 or MATH 1113 or higher level math course
BFA	Fine Arts	3	MATH 1003 or MATH 1113 or higher level math course
BFA	Game and Interactive Media Design	3	MATH 1113 or higher level math course
BFA	Graphic Design	3	MATH 1003 or MATH 1113 or higher level math course
BA	History	3	MATH 1003 or MATH 1113 or higher level math course
BA	Journalism: Broadcast	3	MATH 1003 or MATH 1113 or higher level math course
BA	Journalism: Print Journalism	3	MATH 1003 or MATH 1113 or higher level math course
BA	Journalism: Public Relations	3	MATH 1003 or MATH 1113 or higher level math course
BA	Music	3	MATH 1003 or MATH 1113 or higher level math course
BMA	Music Arts	3	MATH 1003 or MATH 1113 or higher level math course
BME	Music Education: Instrumental Music	3	MATH 1003 or MATH 1113 or higher level math course
BME	Music Education: Keyboard Instrumental Music	3	MATH 1003 or MATH 1113 or higher level math course
BME	Music Education: Keyboard Vocal Music	3	MATH 1003 or MATH 1113 or higher level math course
BME	Music Education: Vocal Music	3	MATH 1003 or MATH 1113 or higher level math course
BA	Political Science: Law School	3	MATH 1003 or MATH 1113 or higher level math course
BA	Political Science: Public Policy & Administration	3	MATH 1003 or MATH 1113 or higher level math course
BA	Political Science: International Relations & Studies	3	MATH 1003 or MATH 1113 or higher level math course

BA	Political Science: Strategic Studies	3	MATH 1003 or MATH 1113 or higher level math course
BA	Political Science: American Politics, Campaigns, & Elections	6	MATH 1003 or higher level math course; SOC 2053 or STAT 3153 (prerequisite: MATH 2924)
BA	Political Science: Political Science Grad School	6	MATH 1003 or higher level math course; SOC 2053 or STAT 3153 (prerequisite: MATH 2924)
BA	Psychology	6	MATH 1003 or MATH 1113 or higher level math course; PSY/SOC 2053
BA	Social Studies: Education	3	MATH 1003 or MATH 1113 or higher level math course
BA	Sociology	6	MATH 1003 or MATH 1113 or higher level math course; PSY/SOC 2053
College of Business and Economic Development			
BSBA	Accounting	6	MATH 2223 (prerequisite: MATH 1113); STAT 2163 or PSY/SOC 2053
BS	Agricultural Education	3	MATH 1113 or higher level math course
BS	Agriculture Business	6	MATH 1003 or MATH 1113 or higher level math course; STAT 2163
BS	Agriculture Business: Animal Science	6	MATH 1003 or MATH 1113 or higher level math course; STAT 2163
BS	Agriculture Business: Horticulture Business	6	MATH 1003 or MATH 1113 or higher level math course; STAT 2163
BS	Agriculture Business: Pre-Veterinary Medicine	6	MATH 1113 or higher level math course; STAT 2163
BSBA	Business Data Analytics	9	MATH 2223 (prerequisite: MATH 1113); MATH 2243; STAT 2163 or PSY/SOC 2053
BSBA	Finance	9	MATH 2223 (prerequisite: MATH 1113); MATH 2243; STAT 2163 or PSY/SOC 2053
BS	Health Information Management	6	MATH 1113; STAT 2163 or PSY/SOC 2053
BSBA	Management: Business Management	9	MATH 1113; MATH 2223; STAT 2163 or PSY/SOC 2053
BSBA	Marketing: Digital Marketing	9	MATH 1113; MATH 2223; STAT 2163 or PSY/SOC 2053
BS	Tourism	3	MATH 1003 or MATH 1113 or higher level math course
BS	Tourism: Natural Resource Management	3	MATH 1003 or MATH 1113 or higher level math course
BS	Tourism: Therapeutic Recreation	3	MATH 1003 or MATH 1113 or higher level math course
College of Education and Health			
BAS	Applied Science	3	MATH 1003 or MATH 1113 or higher level math course
BS	Elementary Education	12	MATH 1003 or MATH 1113 or higher level math course; MATH 2033; MATH 2043; MATH 3033
BS	Emergency Management & Homeland Security	3	MATH 1003 or MATH 1113 or higher level math course
BS	Coaching Athletics and Physical Activity: Teacher Licensure	3	MATH 1113 or higher level math course
BS	Health and Exercise Science	3	MATH 1113 or higher level math course
BS	Health and Exercise Science: Coaching Athletics & Physical Activity	3	MATH 1113 or higher level math course
BS	Health and Exercise Science: Kinesiology	3	MATH 1113 or higher level math course
BS	Health and Exercise Science: Pre-Allied Health Studies	6	MATH 1113 or higher level math course; PSY/SOC 2053
BS	Health and Exercise Science: Public Health	3	MATH 1113 or higher level math course
BS	Middle Level Education: English/Language Arts	6	MATH 1113 or higher level math course; MATH 2033
BS	Middle Level Education: Mathematics	28	MATH 1113 or higher level math course; MATH 1203; MATH 2033; MATH 2043; MATH 2703; MATH 3033; MATH 3703; MATH 3771; MATH 4703; STAT 2163
BS	Middle Level Education: Science	9	MATH 1113 or higher level math course; MATH 2033; STAT 2163
BS	Middle Level Education: Social Studies	6	MATH 1113 or higher level math course; MATH 2033
BSN	Nursing	3	MATH 1113 or higher level math course (excludes MATH 2033, MATH 2043, and STAT 2163)
BSN	Nursing: LPN to BSN	3	MATH 1113 or higher level math course (excludes MATH 2033, MATH 2043, and STAT 2163)
BSN	Nursing: RN to BSN	3	MATH 1113 or higher level math course (excludes MATH 2033, MATH 2043, and STAT 2163)
BA	Organizational Leadership: Agriculture Business	3	MATH 1003 or MATH 1113 or higher level math course
BA	Organizational Leadership: Child Development	3	MATH 1003 or MATH 1113 or higher level math course
BA	Organizational Leadership: Criminal Justice	3	MATH 1003 or MATH 1113 or higher level math course
BA	Organizational Leadership: Emergency Management	3	MATH 1003 or MATH 1113 or higher level math course
BA	Organizational Leadership: Inter-College Program	3	MATH 1003 or MATH 1113 or higher level math course
BA	Organizational Leadership: Military Leadership	3	MATH 1003 or MATH 1113 or higher level math course
BA	Organizational Leadership: Psychology	3	MATH 1003 or MATH 1113 or higher level math course
BA	Organizational Leadership: Public Relations	3	MATH 1003 or MATH 1113 or higher level math course
BPS	Professional Studies: Interdisciplinary Studies	3	MATH 1003 or MATH 1113 or higher level math course
BS	Rehabilitation Science	6	MATH 1003 or MATH 1113 or higher level math course; PSY/SOC 2053
BS	Rehabilitation Science: Therapeutic Recreation	3	MATH 1003 or MATH 1113 or higher level math course
College of Science, Technology, Engineering, & Math			

BS	Biology: Biomedical	9	MATH 1113; PSY/SOC 2053 or STAT 2163; 3 credit hour MATH/STAT elective higher than MATH 1113 or STAT 2163
BS	Biology: Biostatistics	22	MATH 1113; STAT 2163; STAT 2304; STAT 3113; STAT 4153; 6 credit hours selected from: BDA 3013 or BDA 3033 or STAT 3183 or STAT 4113 or STAT 4163 or STAT 4383 or STAT 4393
BS	Biology: Ecology and Evolution	9	MATH 1113; PSY/SOC 2053 or STAT 2163; 3 credit hour MATH/STAT elective higher than MATH 1113 or STAT 2163
BS	Biology: Environmental	9	MATH 1113; PSY/SOC 2053 or STAT 2163; 3 credit hour MATH/STAT elective higher than MATH 1113 or STAT 2163
BS	Chemistry: Biochemistry	8	MATH 2914 (prerequisite: MATH 1113 and MATH 1203 or MATH 1914); MATH 2924
BS	Chemistry: General	8	MATH 2914 (prerequisite: MATH 1113 and MATH 1203 or MATH 1914); MATH 2924
BS	Chemistry: Professional	12	MATH 2914 (prerequisite: MATH 1113 and MATH 1203 or MATH 1914); MATH 2924; MATH 2934
BSCmpE	Computer Engineering	24	MATH 2703 (prerequisite: MATH 1113); MATH 2914 (prerequisite: MATH 1113 and MATH 1203 or MATH 1914); MATH 2924; MATH 2934; MATH 3243; ELEG/MCEG 3003; STAT 3153
BS	Computer Science	17	MATH 2703 (prerequisite: MATH 1113); MATH 2914 (prerequisite: MATH 1113 and MATH 1203 or MATH 1914); MATH 2924; STAT 3153; MATH 4003
BS	Cybersecurity	9	MATH 2703 (prerequisite: MATH 1113); MATH 2243; STAT 2163
BSEE	Electrical Engineering	24	MATH 2703 (prerequisite: MATH 1113); MATH 2914 (prerequisite: MATH 1113 and MATH 1203 or MATH 1914); MATH 2924; MATH 2934; MATH 3243; ELEG/MCEG 3003; STAT 3153
BSEE	Electrical Engineering: Biomedical	24	MATH 2703 (prerequisite: MATH 1113); MATH 2914 (prerequisite: MATH 1113 and MATH 1203 or MATH 1914); MATH 2924; MATH 2934; MATH 3243; ELEG/MCEG 3003; STAT 3153
BS	Engineering Physics	15	MATH 2914 (prerequisite: MATH 1113 and MATH 1203 or MATH 1914); MATH 2924; MATH 2934; MATH 3243
BS	Fisheries and Wildlife Science: Fisheries	9-10	MATH 1113; PSY/SOC 2053 or STAT 2163; MATH 2914 or FW 3173
BS	Fisheries and Wildlife Science: Wildlife	9-10	MATH 1113; PSY/SOC 2053 or STAT 2163; MATH 2914 or FW 3173
BS	Geosciences	7-9	MATH 1113; MATH 1203 and STAT 2163 or MATH 2914 <i>Note: Students taking MATH 2914 will require 2 more credit hours to reach a total of 120 credit hours</i>
BS	Information Technology: Programming, Database, and Web	12	MATH 1113; MATH 2243; MATH 2703; STAT 2163
BS	Information Technology: Networking and Security	12	MATH 1113; MATH 2243; MATH 2703; STAT 2163
BS	Mathematics	46	MATH 2703 (prerequisite: MATH 1113); MATH 2914 (prerequisite: MATH 1113 and MATH 1203 or MATH 1914); MATH 2924; MATH 2934; MATH 3203; MATH 3243; MATH 4003; MATH 4033; MATH 4123; MATH 4273; MATH 4971; STAT 3113; STAT 3153; 6 credit hours of MATH/STAT electives 3000+ level
BSME	Mechanical Engineering	21	MATH 2914 (prerequisite: MATH 1113 and MATH 1203 or MATH 1914); MATH 2924; MATH 2934; MATH 3243; 3 credit hour MATH advisor-approved elective; ELEG/MCEG 3003
BS	Physics	18	MATH 2914 (prerequisite: MATH 1113 and MATH 1203 or MATH 1914); MATH 2924; MATH 2934; MATH 3243; STAT 3153

Henderson State University			2025 General Education Core Math Requirement: 3 hours selected from the following: MTH 1033 , MTH 1233, MTH 1243, MTH 1213, or any higher level mathematics course			
			HSU Transfer Course Equivalency Guide:		https://www.hsu.edu/academics/registrar/transfer-and-credit/	
			Course Guide - Below is a key for all courses listed below under Math Requirements, including course number and course name. Source for Math Requirements found at: https://www.hsu.edu/academics/registrar/undergraduate-academic-catalog/			
			CRJ/SOC/SW 3103 Statistics		MTH 1253 Plane Trigonometry	MTH 3124 Differential Equations
			GBU 2013 Quantitative Analysis for Business Decisions		MTH 1273 Precalculus Mathematics	MTH 3523 Discrete Math for Mid Grades
			GBU 3133 Business Statistics		MTH 1294 Calculus I	MTH 3553 Mathematics of Calculus & Technology for the Middle Grades
			MTH 1033 Mathematical Reasoning		MTH 2044 Calculus II	MTH 4563 Math Modeling & Appl/Mid Grades
			MTH 1034 Mathematical Reasoning Review		MTH 2283 Discrete Mathematics	PSY 2143 Experimental Statistics
			MTH 1053 Number Operations and Number Sense		MTH 2483 Geometry I for Elem & Mid Grades	STA 1313 Statistical Reasoning
			MTH 1083 Mathematics through Practical Application		MTH 2543 Data Analysis, Statistics, & Probability	STA 1314 Statistical Reasoning Enhanced
			MTH 1213 Algebra for Elem. & Mid Grades		MTH 2553 Survey of Calculus	STA 2054 Applied Biostatistics
			MTH 1233 Applied Trigonometry		MTH 3104 Calculus III	STA 2323 Statistical Methods
			MTH 1243 College Algebra		MTH 3113 Linear Algebra	
Degree	Field of Study/Major	Math Hours Required	Math Requirements NOTES: semi-colon signals "and" Blue text = programs of study that ACCEPT Quantitative Literacy <i>Courses in italics are prerequisites to other listed courses and are not factored into total math hours calculation</i>			
Carver College of Aviation, Science, and Nursing						
BS	Aviation: Management	3	MTH 1243 or higher; GBU 2013			
BS	Aviation: Professional Pilot	6	MTH 1243 or higher; MTH 1253 or MTH 1233			
BS	Computer Engineering	18	MTH 1294 (<i>prerequisite: MTH 1243 and MTH 1253 or MTH 1274</i>) ; MTH 2044; MTH 2283; MTH 3124; STA 2053 or STA 2323			
BS	Computer Science	17	MTH 1294 (<i>prerequisite: MTH 1243 and MTH 1253 or MTH 1274</i>) ; MTH 2044; MTH 2283; STA 2323; 3 credit hours MTH elective 3000+ level			
BS	Engineering: General	16	MTH 1294 (<i>prerequisite: MTH 1243 and MTH 1253 or MTH 1274</i>) ; MTH 2044; MTH 3104; MTH 3124			
BS	Engineering: Electrical	16	MTH 1294 (<i>prerequisite: MTH 1243 and MTH 1253 or MTH 1274</i>) ; MTH 2044; MTH 3104; MTH 3124			
BS	Engineering: Mechanical	16	MTH 1294 (<i>prerequisite: MTH 1243 and MTH 1253 or MTH 1274</i>) ; MTH 2044; MTH 3104; MTH 3124			
BS	Natural Sciences: General	6	MTH 1243 or higher; STA 2053 or STA 2323			
BS	Natural Sciences: Biology	6	MTH 1243 or higher; STA 2053 or STA 2323			
BS	Natural Sciences: Pre-Dental Hygiene	6	MTH 1243 or higher; STA 2053 or STA 2323			
BS	Natural Sciences: Pre-Dentistry	6	MTH 1243 or higher; STA 2053 or STA 2323			
BS	Natural Sciences: Pre-Medical	6	MTH 1243 or higher; STA 2053 or STA 2323			
BS	Natural Sciences: Pre-Optometry	10	MTH 1243; MTH 1294 (<i>prerequisite: MTH 1243 and MTH 1253 or MTH 1274</i>) ; STA 2053 or STA 2323			
BS	Natural Sciences: Pre-Pharmacy	10	MTH 1243; MTH 1294 (<i>prerequisite: MTH 1243 and MTH 1253 or MTH 1274</i>) ; STA 2053 or STA 2323			
BS	Natural Sciences: Pre-Physical Therapy	6	MTH 1243 or higher; STA 2053 or STA 2323			
BS	Natural Sciences: Pre-Veterinary	9	MTH 1243; MTH 1233; STA 2053 or STA 2323			
BS	Natural Sciences: Wildlife and Field Biology	6	MTH 1243 or higher; STA 2053 or STA 2323			
BSN	Nursing	3	MTH 1033 or MTH 1243 or higher			
BSN	Nursing (RN to BSN)	3	MTH 1243 or higher			
BSN	Nursing (LPN to BSN)	3	MTH 1243 or higher			
BA	Physics	4	MTH 1294 (<i>prerequisite: MTH 1243 and MTH 1253 or MTH 1274</i>)			
BS	Physics	8	MTH 1294 (<i>prerequisite: MTH 1243 and MTH 1253 or MTH 1274</i>) ; MTH 2044			
BS	Physics: Astronomy	8	MTH 1294 (<i>prerequisite: MTH 1243 and MTH 1253 or MTH 1274</i>) ; MTH 2044			
BS	Physics: Education (licensure)	7	MTH 1243; MTH 1294 (<i>prerequisite: MTH 1243 and MTH 1253 or MTH 1274</i>)			
BS	Radiography	3	MTH 1243 or higher			
College of Business						
BBA	Business Administration: General	9	MTH 1243 or higher; GBU 2013; GBU 3133			
BBA	Business Administration: Data Science	9	MTH 1243 or higher; GBU 2013; GBU 3133			
BBA	Business Administration: Entrepreneurship	9	MTH 1243 or higher; GBU 2013; GBU 3133			
BBA	Innovation and Entrepreneurship	9	MTH 1243 or higher; GBU 2013; GBU 3133			

College of Performing Arts and Social Sciences			
BA	Criminal Justice	6	MTH 1033 or MTH 1243 or higher; CRJ/SOC/SW 3103
BS	Criminal Justice	3	MTH 1243 or higher
BA	Digital Media Production	3	MTH 1033 or MTH 1243 or higher
BIS	Interdisciplinary Studies	3	MTH 1033 or MTH 1243 or higher
BA	Music	3	MTH 1033 or MTH 1243 or higher
BM	Music Education K-12: Instrumental	3	MTH 1033 or MTH 1243 or higher
BM	Music Education K-12: Choral	3	MTH 1033 or MTH 1243 or higher
BM	Music Education K-12: Choral/Keyboard	3	MTH 1033 or MTH 1243 or higher
BA	Psychology	3	MTH 1033 or MTH 1243 or higher
BS	Psychology	9	MTH 1033 or MTH 1243 or higher; 6 credit hours of approved math-intensive courses in CHM/CSC/MTH/PHY/SOC
BA	Sociology	6	MTH 1033 or MTH 1243 or higher; SOC 3103
BS	Social Work	3	MTH 1033 or MTH 1243 or higher
Teachers College			
BSE	Computer Science & Business Technology Education	3	MTH 1243 or higher
BSE	Early Childhood/Special Education Integrated B-K	6	MTH 1033 or MTH 1243 or higher; MTH 1053
BS	Educational Studies: Elementary (non-licensure)	12	MTH 1213 or MTH 1243 or higher; MTH 1053; MTH 2483; MTH 2543
BS	Educational Studies: Middle Level (non-licensure)	12-21	MTH 1213 or MTH 1243 or higher; MTH 1053; MTH 2483 <i>Note: MTH 2483, MTH 2553, MTH 3633, and MTH 4563 required for math content area</i>
BSE	Elementary Education	12	MTH 1213 or MTH 1243 or higher; MTH 1053; MTH 2483; MTH 2543
BS	Health & Human Performance: Athletic Training	6	MTH 1033 or MTH 1243 or higher; STA 2053 or STA 2323 or PSY 2143 or SOC 3103
BS	Health & Human Performance: Pre-Physical Therapy	6	MTH 1033 or MTH 1243 or higher; STA 2053 or STA 2323 or PSY 2143 or SOC 3103
BS	Health & Human Performance: Pre-Occupational Therapy	6	MTH 1033 or MTH 1243 or higher; STA 2053 or STA 2323 or PSY 2143 or SOC 3103
BS	Health & Human Performance: Strength & Conditioning	6	MTH 1033 or MTH 1243 or higher; STA 2053 or STA 2323 or PSY 2143 or SOC 3103
BSE	Health & Physical Education	3	MTH 1033 or MTH 1243 or higher
BSE	Middle-Level Education: Language Arts	9	MTH 1213 or MTH 1243 or higher; MTH 1053; MTH 2543
BSE	Middle-Level Education: Mathematics	24-36	MTH 1213 or MTH 1243 or higher; MTH 1053; MTH 2483; MTH 2543; MTH 2553; MTH 3633; MTH 4213; MTH 4563; 12 credit hours of MTH electives, second content area electives, or licensure endorsement
BSE	Middle-Level Education: Science	9	MTH 1213 or MTH 1243 or higher; MTH 1053; MTH 2543
BSE	Middle-Level Education: Social Studies	9	MTH 1213 or MTH 1243 or higher; MTH 1053; MTH 2543
BSE	Secondary Education: Biology	3	MTH 1243 or higher
BSE	Secondary Education: Mathematics	38	MTH 1053 (<i>prerequisite: MTH 1243 or MTH 1274</i>); MTH 1233; MTH 1294; MTH 2044; MTH 2483; MTH 2543; MTH 3023; MTH 3063 or MTH 3633; MTH 3163 or MTH 2323; MTH 3383; MTH 3113 or MTH 3663; MTH 4893
BSE	Special Education K-12	6	MTH 1213 or MTH 1243 or higher; MTH 1053
BS	Recreation: Leisure Services Management	3	MTH 1033 or MTH 1243 or higher
BS	Recreation: Natural Resources Management	3	MTH 1033 or MTH 1243 or higher
BS	Recreation: Sport Management	3	MTH 1033 or MTH 1243 or higher

Southern Arkansas University			2025 General Education Core Math Requirement:			
			3-5 hours selected from the following: MATH 1023, MATH 1053, MATH 1045, MATH 1525*, MATH 2123, or MATH 2124			
			SAU Transfer Course Equivalency Guide:		https://web.saumag.edu/admissions/apply/transfer/tes/	
			Course Guide - Below is a key for all courses listed below under Math Requirements, including course number and course name.			
			Source for Math Requirements found at: https://catalog.saumag.edu/content.php?catoid=6&navoid=168			
			BIOL 3583 Biostatistics		MATH 1045 Pre-Calculus	MATH 3083 Principles of Analysis
			CRJU/PSYC/SOC/SWK 3183 Statistics		MATH 1053 Mathematical Literacy	MATH 3143 Applied Probability and Statistics II
			DSCI 3003 Introduction to Data Science		MATH 1525 Calculus I	MATH 4003 College Geometry
			ESCI 4023 Applied Statistics		MATH 1545 Calculus II	MATH 4023 Point-Set Topology
			GBUS 2013 Statistics and Analytics I		MATH 2033 Discrete Mathematics	MATH 4033 Introduction to Complex Variables
			GBUS 3183 Statistics and Analytics II		MATH 2123 Applied Calculus for Technology	MATH 4043 Numerical Analysis
			MAED 2053 Math for Teachers I		MATH 2124 Applied Calculus	MATH 4053 Higher Order Thinking in Mathematics
			MAED 2063 Math for Teachers II		MATH 2125 Applied Calculus	MATH 4073 Intro to Probability and Statistics
MAED 3013 Math Connections		MATH 2563 Calculus III	MATH 4123 History of Mathematics			
MAED 4012 Content Pedagogy in STEM		MATH 2753 Linear Algebra	MATH 4233 Data Science			
MAED 4373 Assessment Driven Math Instruction		MATH 3033 Differential Equations	MATH 4533 Statistical Methods			
MATH 1001 Math for Allied Health		MATH 3043 Applied Probability and Statistics I	MATH 4613 Special Topics in Mathematics			
MATH 1023 College Algebra		MATH 3053 Methods of Teaching Mathematics P-4	MSED 4293 Math for Middle Level Teachers			
MATH 1033 Plane Trigonometry		MATH 3063 Abstract Algebra				
Degree	Field of Study/Major	Math Hours Required	Math Requirements NOTES: semi-colon signals "and" Blue text = programs of study that ACCEPT Quantitative Literacy <i>Courses in italics are prerequisites to other listed courses and are not factored into total math hours calculation</i>			
David F. Rankin College of Business						
BBA	Accounting	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: Entrepreneurship	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: Finance - Financial Analysis	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: Finance - Insurance and Risk Management	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: Finance - Wealth Management	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: General Business	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: General Business with Agricultural Industries Minor	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: Healthcare Administration	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: Information Systems Analytics	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: International Business	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: Management	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: Marketing	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: Marketing - Media	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
BBA	Business Administration: Supply Chain Management	9	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>); GBUS 2013; GBUS 3183			
College of Education and Human Performance						
BSE	Elementary Education STEM	12	MATH 1023 or MATH 1053 or higher; MAED 2053; MAED 2063; MAED 4373			
BSE	Elementary Education STEM: Non-Licensure	12	MATH 1023 or MATH 1053 or higher; MAED 2053; MAED 2063; MAED 4373			
BS	Exercise Science: Pre-Professional	6	MATH 1023 or higher; ESCI 4023			
BS	Exercise Science: Strength and Conditioning	6	MATH 1023 or MATH 1053 or higher; ESCI 4023			
BSE	K-12 Physical Education & Health	6	MATH 1023 or MATH 1053 or higher; ESCI 4023			
BSE	Middle School Education: Language Arts	3	MATH 1023 or MATH 1053 or higher			
BSE	Middle School Education: Social Studies	3	MATH 1023 or MATH 1053 or higher			
BSE	Middle School Education: Mathematics	23	MATH 1023; MATH 1033; MATH 1525; MATH 3043; MAED 2063; MAED 3013; MAED 4373			
BSE	Middle School Education: Science	3	MATH 1023 or MATH 1045 or MATH 1525 (<i>prerequisite: MATH 1023 and MATH 1033 or MATH 1045</i>)			
BS	Sport Management: Athletic Administration	3	MATH 1023 or MATH 1053 or higher			
BS	Sport Management: Coaching	3	MATH 1023 or MATH 1053 or higher			

Dempsey College of Liberal and Performing Arts			
BFA	Art & Design: Graphic Design	3	MATH 1023 or MATH 1053 or higher
BFA	Art & Design: Interactive Media and Marketing	3	MATH 1023 or MATH 1053 or higher
BFA	Art & Design: Pre-Art Therapy	3	MATH 1023 or MATH 1053 or higher
BFA	Art & Design: Studio Art	3	MATH 1023 or MATH 1053 or higher
BFA	Art & Design: Studio Art Education 4+1 Program	3	MATH 1023 or MATH 1053 or higher
BS	Criminal Justice	6	MATH 1023 or MATH 1053 or higher; CRJU 3183
BS	Cyber Criminology	6	MATH 1023 or MATH 1045 or MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); CRJU 3183
BFA	Game, Animation, and Simulation Design	3	MATH 1023 or MATH 1053 or higher
BA	History/Political Science: History	3	MATH 1023 or MATH 1053 or higher
BA	History/Political Science: History Education 4+1 Program	3	MATH 1023 or MATH 1053 or higher
BA	History/Political Science: Political Science	3	MATH 1023 or MATH 1053 or higher
BA	History/Political Science: Political Science Education 4+1 Program	3	MATH 1023 or MATH 1053 or higher
BA	History/Political Science: Political Science and Public Administration 4+1 Program	3	MATH 1023 or MATH 1053 or higher
BA	History/Political Science: Social Studies Education	3	MATH 1023 or MATH 1053 or higher
BA	Mass Communications: Film/News Media	3	MATH 1023 or MATH 1053 or higher
BA	Mass Communications: Mass Media	3	MATH 1023 or MATH 1053 or higher
BA	Mass Communications: Strategic Communication	3	MATH 1023 or MATH 1053 or higher
BA	Mass Communications: TV/Sports Production	3	MATH 1023 or MATH 1053 or higher
BA	Modern Languages: English	3	MATH 1023 or MATH 1053 or higher
BA	Modern Languages: English Education	3	MATH 1023 or MATH 1053 or higher
BA	Modern Languages: English Education 4+1 Program	3	MATH 1023 or MATH 1053 or higher
BA	Modern Languages: Foreign Language	3	MATH 1023 or MATH 1053 or higher
BA	Modern Languages: Foreign Language Education 4+1 Program	3	MATH 1023 or MATH 1053 or higher
BA	Modern Languages: Spanish	3	MATH 1023 or MATH 1053 or higher
BA	Modern Languages: Spanish Education	3	MATH 1023 or MATH 1053 or higher
BA	Modern Languages: Spanish Education 4+1 Program	3	MATH 1023 or MATH 1053 or higher
BA	Modern Languages: Writing	3	MATH 1023 or MATH 1053 or higher
BA	Modern Languages: Writing Education 4+1 Program	3	MATH 1023 or MATH 1053 or higher
BFA	Performing Arts: Pre-Music Therapy	3	MATH 1023 or MATH 1053 or higher
BFA	Performing Arts: Music Education - Instrumental	3	MATH 1023 or MATH 1053 or higher
BFA	Performing Arts: Music Education - Vocal/Keyboard	3	MATH 1023 or MATH 1053 or higher
BFA	Performing Arts: Music Performance, Instrumental	3	MATH 1023 or MATH 1053 or higher
BFA	Performing Arts: Music Performance, Vocal/Keyboard	3	MATH 1023 or MATH 1053 or higher
BFA	Performing Arts: Music with Studies in Business	3	MATH 1023 or MATH 1053 or higher
BFA	Performing Arts: Musical Theatre	3	MATH 1023 or MATH 1053 or higher
BFA	Performing Arts: Theatre-Acting	3	MATH 1023 or MATH 1053 or higher
BFA	Performing Arts: Theatre-Acting Education 4+1 Program	3	MATH 1023 or MATH 1053 or higher
BFA	Performing Arts: Theatre-Technical	3	MATH 1023 or MATH 1053 or higher
BFA	Performing Arts: Theatre-Technical Education 4+1 Program	3	MATH 1023 or MATH 1053 or higher
BS	Psychology	6-12	MATH 1023 or MATH 1053 or higher; PSYC 3183; 6 credit hours of Natural Science or Mathematics electives
BSW	Social Work	6	MATH 1023 or MATH 1053 or higher; SWK 3183
BUS	University Studies	3	MATH 1023 or MATH 1053 or higher Note: additional math courses may be required based on chosen concentrations
BUS	University Studies: Education 4+1	3	MATH 1023 or MATH 1053 or higher Note: additional math courses may be required based on chosen concentrations
College of Science and Engineering			
BS	Agricultural Business	6	MATH 1023 or MATH 1045 or MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); GBUS 2013
BS	Agricultural Education	3	MATH 1023 or MATH 1045 or MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045)
BS	Agricultural Sciences: Animal Science	3	MATH 1023 or MATH 1045 or MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045)

BS	Agricultural Sciences: Plant Science	3	MATH 1023 or MATH 1045 or MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045)
BS	Agricultural Sciences: Poultry Science	3	MATH 1023 or MATH 1045 or MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045)
BS	Agricultural Sciences: Pre-Veterinary	6	MATH 1023 or MATH 1045 or MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 3043
BS	Biology	5-6	(MATH 1023 and MATH 1033) or MATH 1045 or MATH 1525
BS	Biology: Professional 3+2 Program	10-11	(MATH 1023 and MATH 1033) or MATH 1045; MATH 1525
BS	Biology: Marine Biology	8-9	(MATH 1023 and MATH 1033) or MATH 1045 or MATH 1525; BIOL 3583
BS	Biology: Pre-Health	5-6	(MATH 1023 and MATH 1033) or MATH 1045 or MATH 1525
BS	Biology: Wildlife and Conservation Biology	5-6	(MATH 1023 and MATH 1033) or MATH 1045 or MATH 1525; BIOL 3583
BS	Chemistry: Education	5-6	(MATH 1023 and MATH 1033) or MATH 1045 or MATH 1525
BS	Chemistry: Forensic Science	8	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); CRJU 3183
BS	Chemistry: Medical Laboratory Science	6	MATH 1023; 3 hours of statistics or higher level mathematics
BS	Chemistry: Pre-Health Professional Biochemistry	5	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045)
BS	Chemistry: Professional 3+2 Program	5-6	(MATH 1023 and MATH 1033) or MATH 1045 or MATH 1525
BS	Chemistry: Science	13	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 1545; MATH 2563
BS	Computer Science	17-19	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045) or MATH 2125 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 2033; MATH 2753; MATH 3043 or MATH 4073; MATH 1545 or MATH 3143 or MATH 4233 or MATH 4533
BS	Computer Science: Computer Gaming and Animation Design	17-19	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045) or MATH 2125 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 2033; MATH 2753; MATH 3043 or MATH 4073; MATH 1545 or MATH 3143 or MATH 4233 or MATH 4533
BS	Computer Science: Cyber Security and Privacy	17-19	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045) or MATH 2125 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 2033; MATH 2753; MATH 3043 or MATH 4073; MATH 1545 or MATH 3143 or MATH 4233 or MATH 4533
BS	Computer Science: Data Science	28	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045) or MATH 2125 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 1545; MATH 2033; MATH 2563; MATH 2753; MATH 3043; MATH 4533; DSCI 3003
BSEngr	Engineering	16	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 1545; MATH 2563; MATH 3033
BS	Engineering Science: Chemical Engineering	16	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 1545; MATH 2563; MATH 3033
BS	Engineering Science: Engineering Physics	19	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 1545; MATH 2563; MATH 2753; MATH 3033
BS	Engineering Science: Engineering Technology	8	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045) or MATH 2125 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 3043
BS	Engineering Science: Industrial Technology	8	MATH 2125 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 3043
BS	Mathematics	49	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 1545; MATH 2033; MATH 2563; MATH 2753; MATH 3033; MATH 3043; MATH 3063; MATH 3083; MATH 3143; MATH 4003; MATH 4033; MATH 4043; 6 credit hours selected from: MATH 4023 or MATH 4123 or MATH 4533 or MATH 4613
BS	Mathematics: Data Science	51	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 1545; MATH 2033; MATH 2563; MATH 2753; MATH 3033; MATH 3043; MATH 3063; MATH 3083; MATH 3143; MATH 4003; MATH 4033; MATH 4043; MATH 4533; MATH 4023 or MATH 4123 or MATH 4613; DSCI 3003
BS	Mathematics: Education	42	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 1545; MATH 2033; MATH 2753; MATH 3063; MATH 4003; MATH 4073 or MATH 3043; MATH 4123; 6 hours selected from: MATH 3033 or MATH 3083 or MATH 4023 or MATH 4033 or MATH 4043 or MATH 4613; MAED 2063; MAED 3013; MAED 4012
BS	Mechanical Engineering	19	MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); MATH 1545; MATH 2563; MATH 3033; MATH 3043
BSN	Nursing	7-9	MATH 1001; MATH 1023 or MATH 1045 or MATH 1525 (prerequisite: MATH 1023 and MATH 1033 or MATH 1045); SOC 3183 or MATH 3043
BSN	Nursing (RN-BSN)	3	SOC 3183 (prerequisite: MATH 1023) or MATH 3043 (prerequisite: MATH 1023)
BS	Public Health	3	SOC 3183 (prerequisite: MATH 1023) or MATH 3043 (prerequisite: MATH 1023)

University of Arkansas Fayetteville

2025 General Education Core Math Requirement:

3 hours selected from the following: MATH 11003, [MATH 11103](#), MATH 15104, or any higher-level mathematics course with MATH 11003 as a prerequisite or as required by major to include MATH 21003

UAF Transfer Course Equivalency Guide:

<https://courseequivalency.uark.edu/>

Course Guide - Below is a key for all courses listed below under Math Requirements, including course number and course name.

Source for Math Requirements found at: <https://catalog.uark.edu/undergraduatecatalog/>

AGEC 24003 Quantitative Tools for Agribusiness	MATH 250H4 Honors Calculus II	MATH 43403 Intro to Scientific Computing
ASTM 29003 Agricultural and Human Environmental Sciences Application of Microcomputers	MATH 25104 Calculus with Algebra and Trigonometry II	MATH 43503 Numerical Linear Algebra
BUSI 10303 Data Analysis and Interpretation	MATH 25804 Elementary Differential Equations	MATH 43603 Numerical Analysis
CSCE 41303 Algorithms	MATH 258H4 Honors Elementary Differential Equations	MATH 43703 Finite Element Methods and Solution of Sparse Linear Systems
DASC 25904 Multivariable Math for Data Scientists	MATH 26004 Calculus III	MATH 44003 Numerical Linear Algebra II
DASC 32103 Statistical Learning	MATH 260H4 Honors Calculus III	MATH 44203 Intro to Partial Differential Equations
ELEG 31403 Probability & Stochastic Processes	MATH 26103 Discrete Mathematics	MATH 44403 Complex Variables
ESRM 24003 Statistics in Nursing	MATH 28003 Transition to Advanced Math	MATH 45003 Differential Geometry
INEG 23104 Statistics for Industrial Engineers I	MATH 29003 Functions, Foundations & Models	MATH 45103 Advanced Calculus I
INEG 23203 Probability and Stochastic Processes for Industrial Engineers	MATH 30103 Introduction to Probability	MATH 45203 Advanced Calculus II
INEG 23303 Applied Probability and Statistics for Engineers	MATH 30803 Linear Algebra	MATH 47003 Introduction to Point-Set Topology
INEG 33103 Engineering Probability and Statistics	MATH 30903 Abstract Linear Algebra	MATH 49303 Mathematics Major Seminar
INEG 33303 Statistics for Industrial Engineers II	MATH 31003 Combinatorics	MATH 4980V Senior Thesis
MATH 11003 College Algebra	MATH 31103 Introduction to Abstract Algebra I	MATH 4990V Research Topics in Mathematics
MATH 12003 Plane Trigonometry	MATH 31303 History of Mathematics	PSYC 20103 Intro to Statistics for Psychologists
MATH 13004 Pre-Calculus	MATH 32003 Number Theory	SOCI 33001 Social Data and Analysis Laboratory
MATH 11103 Quantitative Reasoning	MATH 35103 Elementary Analysis	SOCI 33004 Social Data and Analysis
MATH 15104 Calculus with Algebra and Trigonometry I	MATH 35803 Foundations of Applied Math	STAT 28233 Biostatistics
MATH 20503 Finite Mathematics	MATH 37703 Foundations of Geometry I	STAT 30041 Statistics Methods Laboratory
MATH 21003 Principles of Statistics	MATH 399HV Honors Mathematics Course	STAT 30043 Statistical Methods
MATH 21803 Mathematical Reasoning in a Quantitative	MATH 4000V Directed Readings	STAT 30133 Introduction to Probability
MATH 22003 Survey of Calculus	MATH 4050V Internship in Professional Practice	STAT 31133 Introduction to Mathematical Statistics
MATH 22103 Survey of Mathematical Structures I	MATH 41003 Advanced Linear Algebra	STAT 40133 Statistical Forecasting and Prediction
MATH 22203 Survey of Mathematical Structures II	MATH 41103 Introduction to Abstract Algebra II	STAT 40333 Nonparametric Statistical Methods
MATH 24004 Calculus I	MATH 41503 Mathematical Modeling	STAT 41031 Introduction to R
MATH 240H4 Honors Calculus I	MATH 41603 Dynamic Models in Biology	STAT 43333 Analysis of Categorical Responses
MATH 24005 Calculus I with Review	MATH 42503 Symbolic Logic I	STAT 43733 Experimental Design
MATH 25004 Calculus II	MATH 43003 Ordinary Differential Equations	STAT 51033 Introduction to Probability Theory

Degree	Field of Study/Major	Math Hours Required	Math Requirements NOTES: semi-colon signals "and" Blue text = programs of study that ACCEPT Quantitative Literacy <i>Courses in italics are prerequisites to other listed courses and are not factored into total math hours calculation</i>
Dale Bumpers College of Agricultural, Food and Life Sciences			
BSA	Agricultural Business: Agricultural Economics	9	MATH 20503 (<i>prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004</i>) ; MATH 22003 or higher excluding MATH 21803; MATH 21003 or AGECE 24003 or BUSI 10303
BSA	Agricultural Business: Management and Marketing	6	MATH 22003 (<i>prerequisite: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503</i>) or higher excluding MATH 21803; MATH 21003 or AGECE 24003 or BUSI 10303
BSA	Agricultural Business: Pre-Law	6	MATH 22003 (<i>prerequisite: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503</i>) or higher excluding MATH 21803; MATH 21003 or AGECE 24003 or BUSI 10303
BSA	Agricultural Business: Risk Management	6	MATH 22003 (<i>prerequisite: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503</i>) or higher excluding MATH 21803; MATH 21003 or AGECE 24003 or BUSI 10303
BSA	Agricultural Education, Communication and Technology (AECT): Agricultural Communications	3	MATH 11003 or higher excluding MATH 11103

BSA	Agricultural Education, Communication and Technology (AECT): Education	3	MATH 11003 or higher excluding MATH 11103
BSA	Agricultural Education, Communication and Technology (AECT): Agricultural Leadership	3	MATH 11003 or higher excluding MATH 11103
BSA	Agricultural Education, Communication and Technology (AECT): Agricultural Systems Technology Management	3	MATH 11003 or higher excluding MATH 11103
BSA	Animal Science: Animal Enterprise	3	MATH 11003 or higher
BSA	Animal Science: Equine Systems	3	MATH 11003 or higher
BSA	Animal Science: Pre-Professional Science	3	MATH 11003 or higher
BSA	Crop Science	6	MATH 11003 or higher; ASTM 29003 or MATH 21003
BSA	Environmental, Soil, and Water Science	9	MATH 11003; MATH 12003; MATH 21003
BSA	Food Science: Food and Culinary Sciences	9	MATH 11003; MATH 21003; MATH 22003
BSA	Food Science: Food Science	13	MATH 11003; MATH 12003; MATH 21003; MATH 24004
BSA	Food Science: Food Technology	9	MATH 11003; MATH 21003; MATH 22003
BSA	Horticulture, Landscape and Turf Sciences	3	MATH 11003 or higher
BSA	Poultry Science: Poultry Science Industry	6	MATH 11003 or higher; MATH 21003 or AGECE 24003
BSA	Poultry Science: Pre-Professional Science	6	MATH 11003 or higher; MATH 21003 or AGECE 24003
BSHES	Apparel Merchandising and Product Development	6	MATH 11003 or higher; Any MATH above MATH 11003 or any STAT class
BSHES	Birth Through Kindergarten (Teacher Licensure)	3	MATH 11003 or higher
BSHES	Food, Nutrition and Health	6	MATH 11003 or higher; MATH 21003
BSHES	Hospitality Management	6	MATH 11003; MATH 20503
BSHES	Human Development and Family Sciences: Child Life	6	MATH 11003 or higher; MATH 21003
BSHES	Human Development and Family Sciences: Lifespan Development in Diverse Contexts	6	MATH 11003 or higher; MATH 21003
BSHES	Human Nutrition and Dietetics	6	MATH 11003 or higher; MATH 21003
Fulbright College of Arts and Sciences			
BA	Advertising and Public Relations	3	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004) or MATH 21003 (prerequisite: MATH 11003 or MATH 11103) or MATH 21803 (prerequisite: MATH 11003 or MATH 11103) or MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004) or any higher numbered MATH or STAT course Note: MATH 21003 is highly recommended as it acts as a prerequisite to MKTG 34303
BA	Anthropology	3	MATH 11003 or MATH 11103 or higher
BS	Anthropology	6	6 credit hours beyond College Algebra selected from the following: MATH 12003 (prerequisite: MATH 11003) or MATH 13004 (prerequisite: MATH 11003) or MATH 24004 (prerequisite: MATH 12003 or MATH 13004) or MATH 25004 (prerequisite: MATH 24004) or MATH 21003 (prerequisite: MATH 11003)
BFA	Art Education: Community Practice	3	MATH 11003 or MATH 11103 or higher
BFA	Art Education: K-12 Teaching (Teacher Licensure)	3	MATH 11003 or MATH 11103 or higher
BA	Art History	3	MATH 11003 or MATH 11103 or higher
BA	Biology	6-8	MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503) or MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 21003 or MATH 21803 or STAT 28233 or (STAT 30043 and STAT 30041)
BS	Biology	7-8	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 21003 or STAT 28233 or (STAT 30043 & STAT 30041)
BA	Chemistry	3-4	MATH 13004 (prerequisite: MATH 11003) or MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503) or MATH 24004 (prerequisite: MATH 12003 or MATH 13004) Note: MATH 26004 is required for some CHEM courses
BA	Chemistry: Biochemistry	3-4	MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503) or MATH 24004 (prerequisite: MATH 12003 or MATH 13004)
BS	Chemistry	12	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004
BS	Chemistry: Biochemistry	8	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004
BS	Chemistry: Biophysical	8	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004
BA	Communication	3	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004 or MATH 22003) or MATH 21003 (prerequisite: MATH 11003 or MATH 11103) or MATH 21803 (prerequisite: MATH 11003 or MATH 11103) or other 20000+ level MATH courses

BA	Criminology	7-8	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004) or MATH 21003 (prerequisite: MATH 11003 or MATH 11103) or MATH 21803 (prerequisite: MATH 11003 or MATH 11103) or MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503) or MATH 24004 (prerequisite: MATH 12003 or MATH 13004); SOCI 33004
BS	Data Science: Accounting Analytics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103
BS	Data Science: Bioinformatics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103
BS	Data Science: Biomedical and Healthcare Informatics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103
BS	Data Science: Business Data Analytics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103
BS	Data Science: Computational Analytics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103
BS	Data Science: Cybersecurity Data Analytics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103
BS	Data Science: Economics Analytics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103
BS	Data Science: Financial Data Analytics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103
BS	Data Science: Geospatial Data Analytics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103
BS	Data Science: Music Industry Data Analytics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103
BS	Data Science: Operations Analytics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103
BS	Data Science: Social Data Analytics	25-26	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103; SOCI 33004
BS	Data Science: Supply Chain Analytics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103
BS	Data Science: Statistics	42-43	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; (STAT 30133 & STAT 30043) or (INEG 23203 & INEG 23104); DASC 25904; DASC 32103; STAT 31133; STAT 40133; STAT 43333; STAT 43733; 9 credit hours selected from STAT 40233, STAT 40333, CSCE 46103, GEOS 30103, GEOS 35403, and GEOS 35603
BS	Earth Science	3-4	MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503) or MATH 24004 (prerequisite: MATH 12003 or MATH 13004)
BA	Economics	7-9	[MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004 or MATH 22003) and MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503)] or MATH 24004 (prerequisite: MATH 12003 or MATH 13004) or higher than MATH 24004; BUSI 10303 or MATH 21003
BA	Economics: International Economics and Business	9-11	[MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004 or MATH 22003) and MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503)] or MATH 24004 (prerequisite: MATH 12003 or MATH 13004) and MATH 25004; BUSI 10303 or MATH 21003
BA	English: Creative Writing	3	MATH 11003 or MATH 11103 or higher
BA	English: Literature and Cultural Studies	3	MATH 11003 or MATH 11103 or higher
BA	English: Rhetoric and Writing Studies	3	MATH 11003 or MATH 11103 or higher
BA	Geography: General Geography	3	MATH 11003 or MATH 11103 or higher
BA	Geography: Human Geography	3	MATH 11003 or MATH 11103 or higher
BA	Geography: Technical Geography	3	MATH 11003 or MATH 11103 or higher
BS	Geology	8	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004
BS	Geology: Geophysics	16	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804
BFA	Graphic Design	3	MATH 11003 or MATH 11103 or higher
BA	History: Conflict, Justice and Peace	3	MATH 11003 or MATH 11103 or higher
BA	History: Global Cultures and Societies	3	MATH 11003 or MATH 11103 or higher
BA	History: Knowledge, Belief and Vision	3	MATH 11003 or MATH 11103 or higher
BA	History: Statemaking and the Limits of Power	3	MATH 11003 or MATH 11103 or higher

BA	Interdisciplinary Studies	3	MATH 11003 or MATH 11103 or higher <i>Note: other MATH courses may be required based on curriculum option</i>
BA	International & Global Studies: European & Transatlantic Affairs	3	MATH 11003 or MATH 11103 or higher
BA	International & Global Studies: Global South	3	MATH 11003 or MATH 11103 or higher
BA	International & Global Studies: Peace, Security, & Human Rights	3	MATH 11003 or MATH 11103 or higher
BA	Journalism: Broadcast	3	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004) or MATH 21003 (prerequisite: MATH 11003 or MATH 11103) or MATH 21803 (prerequisite: MATH 11003 or MATH 11103) or MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004) or any higher numbered MATH or STAT course
BA	Journalism: Journalism	3	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004) or MATH 21003 (prerequisite: MATH 11003 or MATH 11103) or MATH 21803 (prerequisite: MATH 11003 or MATH 11103) or MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004) or any higher numbered MATH or STAT course
BA	Journalism: Multimedia Storytelling and Production	3	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004) or MATH 21003 (prerequisite: MATH 11003 or MATH 11103) or MATH 21803 (prerequisite: MATH 11003 or MATH 11103) or MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004) or any higher numbered MATH or STAT course
BA	Mathematics	32	MATH 26004 (prerequisites: MATH 24004 or MATH 25004); MATH 28001; MATH 28003; MATH 30903; MATH 31103; MATH 35103 or MATH 45103; MATH 49303; 12 credit hours selected from MATH 25804, CSCE 43103, or MATH/STAT courses at 30000+ level
BS	Mathematics: Applied	39-42	MATH 25804 (prerequisite: MATH 25004); MATH 26004 (prerequisites: MATH 24004 and MATH 25004); MATH 28001; MATH 28003; MATH 30903; MATH 31103; MATH 44203 or MATH 35803; MATH 43503; MATH 45103; MATH 43603; MATH 49303; STAT 30133; 6 credit hours of MATH/STAT electives at 30000+ level (students may also take CSCE 41303)
BS	Mathematics: Pure	42	MATH 25804 (prerequisite: MATH 25004); MATH 26004 (prerequisites: MATH 24004 and MATH 25004); MATH 28001; MATH 28003; MATH 30903; MATH 31103; MATH 44403; MATH 45103; MATH 49303; 9 credit hours selected from: MATH 32003, MATH 41103, MATH 45003, or MATH 45203; 6 credit hours of MATH/STAT electives at 30000+ level (students may also take CSCE 41303)
BS	Mathematics: Statistics	43	MATH 25804 (prerequisite: MATH 25004); MATH 26004 (prerequisites: MATH 24004 and MATH 25004); MATH 28001; MATH 28003; MATH 30903; MATH 31103; MATH 45103; MATH 49303; STAT 30041 or STAT 41031; STAT 30043; STAT 30133; STAT 31133; STAT 40333; 6 credit hours of MATH/STAT electives at 30000+ level (students may also take CSCE 41303)
BA	Music	3	MATH 11003 or MATH 11103 or higher
BM	Music: Composition	3	MATH 11003 or MATH 11103 or higher
BM	Music: Elective Studies in Business	3	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004)
BM	Music: Guitar Performance	3	MATH 11003 or MATH 11103 or higher
BM	Music: Jazz Studies	3	MATH 11003 or MATH 11103 or higher
BM	Music: Piano Performance	3	MATH 11003 or MATH 11103 or higher
BM	Music: String Performance	3	MATH 11003 or MATH 11103 or higher
BM	Music: Music Theory	3	MATH 11003 or MATH 11103 or higher
BM	Music: Voice Performance	3	MATH 11003 or MATH 11103 or higher
BM	Music: Woodwind, Brass, or Percussion	3	MATH 11003 or MATH 11103 or higher
BM	Music Education: Choral	3	MATH 11003 or MATH 11103 or higher
BM	Music Education: Instrumental	3	MATH 11003 or MATH 11103 or higher
BA	Philosophy	3	MATH 11003 or MATH 11103 or higher
BA	Physics	12-16	MATH 11003 or MATH 12003 (prerequisite: MATH 11003) or MATH 13004 (prerequisite: MATH 11003); MATH 22003 or MATH 24004; 6 credit hours of MATH/STAT courses at 20000+ level
BS	Physics: Astronomy	19	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804; MATH 30803
BS	Physics: Biophysics	19	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804; MATH 30803
BS	Physics: Computational	19	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804; MATH 30803
BS	Physics: Electronics	19	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804; MATH 30803
BS	Physics: Geophysics	19	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804; MATH 30803
BS	Physics: Optics	19	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804; MATH 30803
BS	Physics: Professional	19	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804; MATH 30803
BA	Political Science	6-7	MATH 21003 (prerequisite: MATH 11003 or MATH 11103) or BUSI 10303 (prerequisite: MATH 20503 or MATH 24004); MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004) or MATH 21803 (prerequisite: MATH 11003 or MATH 11103) or MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004) or MATH 24004 (prerequisite: MATH 12003 or MATH 13004)

BA	Psychology	6	MATH 11003 or MATH 11103 or higher; PSYC 20103
BSW	Social Work	6-7	MATH 11003 or MATH 11103 or higher; 3-4 credit hours of a MATH/STAT/SOCI course in Statistics
BA	Sociology	7-8	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004) or MATH 21003 (prerequisite: MATH 11003 or MATH 11103) or MATH 21803 (prerequisite: MATH 11003 or MATH 11103) or MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004) or MATH 24004 (prerequisite: MATH 12003 or MATH 13004); SOCI 33004
BA	Studio Art	3	MATH 11003 or MATH 11103 or higher
BFA	Studio Art: Ceramics	3	MATH 11003 or MATH 11103 or higher
BFA	Studio Art: Drawing	3	MATH 11003 or MATH 11103 or higher
BFA	Studio Art: Painting	3	MATH 11003 or MATH 11103 or higher
BFA	Studio Art: Photography	3	MATH 11003 or MATH 11103 or higher
BFA	Studio Art: Printmaking	3	MATH 11003 or MATH 11103 or higher
BFA	Studio Art: Sculpture	3	MATH 11003 or MATH 11103 or higher
BA	Theatre: Design and Technology	3	MATH 11003 or MATH 11103 or higher
BA	Theatre: Performance	3	MATH 11003 or MATH 11103 or higher
BA	Theatre: Theatre Studies	3	MATH 11003 or MATH 11103 or higher
BA	World Languages, Literatures and Cultures: Arabic	3	MATH 11003 or MATH 11103 or higher
BA	World Languages, Literatures and Cultures: Classical Studies and Digital Humanities	3	MATH 11003 or MATH 11103 or higher
BA	World Languages, Literatures and Cultures: Classical Studies Language	3	MATH 11003 or MATH 11103 or higher
BA	World Languages, Literatures and Cultures: French	3	MATH 11003 or MATH 11103 or higher
BA	World Languages, Literatures and Cultures: German	3	MATH 11003 or MATH 11103 or higher
BA	World Languages, Literatures and Cultures: Italian Literary and Cultural Studies	3	MATH 11003 or MATH 11103 or higher
BA	World Languages, Literatures and Cultures: Italian Transnational Studies	3	MATH 11003 or MATH 11103 or higher
BA	World Languages, Literatures and Cultures: Spanish	3	MATH 11003 or MATH 11103 or higher
Sam M. Walton College of Business			
BSBA	Accounting	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Economics: Business Economics	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Economics: International Economics and Business	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Finance: Banking	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Finance: Financial Analytics	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Finance: Financial Management/Investment	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Finance: Real Estate	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Finance: Risk Management	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	General Business	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBS	Human Resource Management	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Information Systems: Business Analytics	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Information Systems: Emerging Technology	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Information Systems: Enterprise Resource Planning	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Innovation and Entrepreneurship	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSIB	International Business: Accounting	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSIB	International Business: Business Economics	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSIB	International Business: Finance	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSIB	International Business: General Business	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSIB	International Business: Information Systems	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSIB	International Business: Management	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSIB	International Business: Marketing	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSIB	International Business: Retail	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSIB	International Business: Supply Chain Management	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Marketing	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003
BSBA	Supply Chain Management	9	MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004); BUSI 10303; MATH 22003

College of Education and Health Professions			
BSE	Career and Technical Education: Business Education	6	MATH 20503 (prerequisite: MATH 11003 - recommended); BUSI 10303
BSE	Career and Technical Education: Family & Consumer Sciences Education	3	MATH 11003 or higher
BSE	Career and Technical Education: Technology Education	3	MATH 22003 (prerequisite: MATH 11003 or MATH 12003 or MATH 13004)
BSE	Childhood Education: EASL	12	MATH 11003 or MATH 11103; MATH 21003; MATH 22103; MATH 22203
BSE	Childhood Education: Gifted and Talented	12	MATH 11003 or MATH 11103; MATH 21003; MATH 22103; MATH 22203
BSE	Childhood Education: Reading	12	MATH 11003 or MATH 11103; MATH 21003; MATH 22103; MATH 22203
BSE	Childhood Education: STEM	12	MATH 11003 or MATH 11103; MATH 21003; MATH 22103; MATH 22203
BS	Communication Disorders and Occupational Therapy	3	MATH 21003 (prerequisite: MATH 11003 - recommended)
BAT	Drama Education	3	MATH 11003 or MATH 11103 or higher
BSE	Educational Studies: Mixed Educational Environments	3	MATH 11003 or MATH 11103 or higher
BSE	Educational Studies: Para-Professional Transition	3	MATH 11003 or MATH 11103 or higher
BSE	Elementary Education	9	MATH 11003 or MATH 11103 or higher; MATH 22103; MATH 22203
BAT	English Education	3	MATH 11003 or higher
BS	Exercise Science	6-7	MATH 12003 (prerequisite: MATH 11003) or MATH 13004 (prerequisite: MATH 11003) or MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 21003 or PSYC 20103 or STAT 28233
BAT	French Education	3	MATH 11003 or higher
BAT	German Education	3	MATH 11003 or higher
BHRD	Human Resource Development	3	MATH 11103 or MATH 20503 (prerequisite: MATH 11003 or MATH 11103 or MATH 12003 or MATH 13004) or MATH 21003 (prerequisite: MATH 11003 or MATH 11103) or MATH 21803 (prerequisite: MATH 11003 or MATH 11103)
BSN	Nursing	3	MATH 11003 or higher
BSN	Nursing: LPN/LPTN to BSN	3	MATH 11003 or higher
BSN	Nursing: RN to BSN	3	MATH 11003 or higher
BS	Public Health	3	MATH 21003 (prerequisite: MATH 11003 or MATH 11103) or ESRM 24003 or STAT 28233 (prerequisite: MATH 24004)
BS	Recreation and Sport Management	3	MATH 11003 or MATH 11103 or higher
BAT	Social Studies Education	3	MATH 11003 or higher
BAT	Spanish Education	3	MATH 11003 or higher
BSE	Special Education K-12	9	MATH 11003 or MATH 11103 or higher; MATH 22103; MATH 22203
BSE	Teaching K-12 Physical Education and Health	3	MATH 11003 or MATH 11103 or higher
College of Engineering			
BSBE	Biological Engineering	16	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804
BSBE	Biological Engineering: Environmental	16	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804
BSBmE	Biomedical Engineering	18	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 25804; MATH 30803; MATH 21003 or STAT 28233
BSChE	Chemical Engineering	16	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 25804; MATH 26004
BSCE	Civil Engineering	19	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804; INEG 33103
BSCmpE	Computer Engineering	22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804; MATH 26103; INEG 33103
BSCmpE	Computer Engineering: Cybersecurity	22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804; MATH 26103; INEG 33103
BSCS	Computer Science	23	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26103; MATH 30803; MATH 31003; INEG 33103; CSCE 41303
BSCS	Computer Science: Cybersecurity	23	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26103; MATH 30803; MATH 31003; INEG 33103; CSCE 41303
BA	Computer Science	10	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 21003; MATH 26103
BSEE	Electrical Engineering	19	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 25804; MATH 26004; ELEG 31403
BSIE	Industrial Engineering and Operations Analytics	21-22	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004 or MATH 25804 or MATH 26103 or MATH 30803; INEG 23104; INEG 23203; INEG 33303
BSME	Mechanical Engineering	16	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804
BSME	Mechanical Engineering: Aerospace	16	MATH 24004 (prerequisite: MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 25804
Fay Jones School of Architecture and Design			
BS	Architectural Studies	3	MATH 12003 (prerequisite: MATH 11003) or MATH 20503 (prerequisites: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503) or MATH 22003 (prerequisites: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503)

BArch	Architecture	3	MATH 12003 (<i>prerequisite: MATH 11003</i>) or MATH 20503 (<i>prerequisites: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503</i>) or MATH 22003 (<i>prerequisites: MATH 11003 or MATH 12003 or MATH 13004 or MATH 20503</i>)
BIAD	Interior Architecture and Design	3	MATH 11003 or higher
BLA	Landscape Architecture	3	MATH 11003 or higher

University of Arkansas Fort Smith

2025 General Education Core Math Requirement:

3 hours selected from the following: [MATH 1103](#), MATH 11003 or any MATH or STAT course with MATH 11003 as a prerequisite

UAFS Transfer Course Equivalency Guide:

<https://uafs.edu/admissions/transfer/transfer-credit-guide.php>

Course Guide - Below is a key for all courses listed below under Math Requirements, including course number and course name.

Source for Math Requirements found at: <https://uafs.edu/programs/degree-plans/index.php>

MATH 11003 College Algebra	MATH 26004 Calculus III	MATH 38373 Mathematics Pedagogy for Data Analysis
MATH 12003 Plane Trigonometry	MATH 26103 Discrete Mathematics I	MATH 39071 Mathematics Seminar
MATH 11103 College Mathematics and Quantitative Literacy	MATH 29174 Differential Equations	MATH 42073 History of Mathematics
MATH 20074 Math for Teachers I	MATH 30803 Applied Linear Algebra	MATH 43073 Real Analysis I
MATH 20174 Math for Teachers II	MATH 31074 Foundations of Mathematics	MATH 44073 Abstract Algebra
MATH 21003 Probability and Statistics I	MATH 33073 Discrete Mathematics II	MATH 49972 Senior Project
MATH 22003 Survey of Calculus	MATH 37703 College Geometry	PSYC 25133 Introduction to Behavior Statistics
MATH 23373 Structures of Arithmetic	MATH 38073 Foundations of Algebra	PSYC 35033 Behavioral Statistics
MATH 23473 Informal Geometry	MATH 38172 Math Pedagogy Spatial Relations	STAT 35043 Mathematical Statistics I
MATH 24004 Calculus I	MATH 38173 Secondary Math Methods	
MATH 25004 Calculus II	MATH 38273 Mathematics Pedagogy for Upper Secondary Mathematics	

Degree	Field of Study/Major	Math Hours Required	Math Requirements NOTES: semi-colon signals "and" Blue text = programs of study that ACCEPT Quantitative Literacy <i>Courses in italics are prerequisites to other listed courses and are not factored into total math hours calculation</i>
College of Business and Industry			
BS	Advanced Manufacturing Engineering	18	MATH 24004 (<i>prerequisite: MATH 12003 or MATH 13005</i>); MATH 25004; MATH 29174; MATH 21003; STAT 35043
BBA	Business Administration	3	MATH 21003 (<i>prerequisite: MATH 11003 or MATH 11103</i>)
BS-EET	Electrical Engineering Technology	6	MATH 11003; MATH 22003
BSOL	Organizational Leadership	6	MATH 11003 or MATH 11103 ; one additional higher MATH or STAT course
College of Arts and Sciences			
BS	Biology	3	MATH 21003 (<i>prerequisite: MATH 11003 or MATH 11103</i>) <i>Note: MATH 11003 and MATH 12003 required for some CHEM & PHYS courses</i>
BS	Biology Education: Life Science Teacher Licensure 7-12	3	MATH 21003 (<i>prerequisite: MATH 11003 or MATH 11103</i>) <i>Note: MATH 11003 and MATH 12003 required for some CHEM & PHYS courses</i>
BS	Chemistry	8	MATH 24004 (<i>prerequisite: MATH 12003 or MATH 13005</i>); MATH 25004
BS	Chemistry: Biochemistry	8	MATH 24004 (<i>prerequisite: MATH 12003 or MATH 13005</i>); MATH 25004
BS	Computer Science	14	MATH 24004 (<i>prerequisite: MATH 12003 or MATH 13005</i>); MATH 25004; MATH 26103; MATH 33073
BS	Criminal Justice	6	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite; MATH 21003
BA	English	3	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite
BS	English: Teacher Licensure 7-12	3	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite
BGS	General Studies	3	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite
BS	Geoscience	4	MATH 24004 (<i>prerequisite: MATH 12003 or MATH 13005</i>)
BS	Graphic Design	3	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite
BA	History	3	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite
BS	History: Social Studies Teacher Licensure 7-12	3	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite
BS	Mathematics	56	MATH 24004 (<i>prerequisite: MATH 12003 or MATH 13005</i>); MATH 25004; MATH 26004; MATH 21003; MATH 26103; MATH 29174; MATH 30803; MATH 31074; MATH 37703; MATH 39071; MATH 42073; MATH 43073; MATH 44073; MATH 49972; STAT 35043; 9 hours of upper-level MATH
BS	Mathematics: Teacher Licensure 7-12	51	MATH 24004 (<i>prerequisite: MATH 12003 or MATH 13005</i>); MATH 25004; MATH 26004; MATH 21003; MATH 26103; MATH 30803; MATH 31074; MATH 37703; MATH 38073; MATH 38172; MATH 38273; MATH 39071; MATH 42073; MATH 43073; MATH 44073; MATH 49972; STAT 35043
BA	Media Communication	3	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite
BA	Music	3	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite

BME	Music Education: Instrumental K-12	3	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite
BME	Music Education: Vocal K-12	3	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite
BA	Studio Art	3	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite
College of Health, Education, and Human Sciences			
BS	Dental Hygiene	6	MATH 11003 or mathematics with MATH 11003 as a prerequisite; MATH 21003
BS	Early Childhood Education (non-licensure)	3	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite
BS	Elementary Education K-6	11	MATH 11003 or MATH 11103 or any higher MATH or STAT course; MATH 20074; MATH 20174
BS	Imaging Sciences: Diagnostic Medical Sonography	3	MATH 11003 or mathematics with MATH 11003 as a prerequisite
BS	Middle Childhood Education 4-8	9	MATH 11003; MATH 23373; MATH 23473
BSN	Nursing (including Accelerated Nursing)	3	MATH 21003 (prerequisite: MATH 11003 or MATH 11103)
BA	Psychology	6	PSYC 25133 (prerequisite: MATH 11103); PSYC 35033
BSW	Social Work	6	MATH 11003 or MATH 11103 or any MATH or STAT course with MATH 11003 as a prerequisite; MATH 21003 or PSYC 25133

University of Arkansas Little Rock

2025 General Education Core Math Requirement -

3 hours selected from the following: MATH 11003, [MATH 11103](#), or MATH 13004. Students in the School of Business are required to take MATH 11003 or any other math for which MATH 11003 is a prerequisite, including MATH 21003.

UALR Transfer Course Equivalency Guide:

https://ualr.edu/records/transfer/tca/?_ga=2.100314078.1183402793.1619014884-79991561.1619014884

Course Guide - Below is a key for all courses listed below under Math Requirements, including course number and course name.

Source for Math Requirements found at: <https://catalog.ualr.edu/content.php?catoid=34&navoid=3919>

ECON 21043 Business Statistics I	MATH 30263 Intro to Mathematical Proof	MATH 48363 Technology in Math Education
ECON 35543 Quantitative Business Analysis	MATH 31103 Algebraic Structures I	MATH 48164 Teaching Mathematics in Secondary School
EDFD 41503 Applied Statistics for Practitioners	MATH 31263 Linear Algebra	MATH 48503 Math Methods K-8
MATH 11003 College Algebra	MATH 32263 Intro to Differential Equations	MATH 49063 Senior Seminar
MATH 11103 Quantitative & Mathematical Reasoning	MATH 33063 College Geometry	PHYS 20303 Physics for Scientist and Engineers I
MATH 12003 Trigonometry	MATH 38063 Math I for Elementary Education	PSYC 21043 General Psychological Statistics
MATH 12033 Applied Calculus I for Business, Engineering Technology, and the Life Sciences	MATH 38263 Math II for Elementary Education	PSYC 33543 Statistics and Methods for Non-Majors
MATH 12133 Applied Calculus II for Business, Engineering Technology, and the Life Sciences	MATH 38363 Math III for Elementary Education and Middle Level Education	PSYC 33554 Statistics and Methods I
MATH 12362 Intro to Mathematics Software	MATH 40036 Internship	SCWK 32233 Methods of Social Work Research
MATH 13004 Pre-Calculus	MATH 40663 Topology	SCWK 38133 Statistics for Social Work
MATH 21003 Introduction to Statistical Methods	MATH 41103 Algebraic Structures II	SOCI 33003 Social Statistics
MATH 24004 Calculus I	MATH 44403 Complex Analysis	STAT 35003 Introduction to Probability
MATH 25004 Calculus II	MATH 45103 Advanced Calculus I	STAT 35203 Applied Statistics I
MATH 26004 Calculus III	MATH 45203 Advanced Calculus II	
MATH 26103 Discrete Mathematics	MATH 46163 History of Mathematics I	

Degree	Field of Study/Major	Math Hours Required	Math Requirements NOTES: semi-colon signals "and" Blue text = programs of study that ACCEPT Quantitative Literacy <i>Courses in italics are prerequisites to other listed courses and are not factored into total math hours calculation</i>
College of Humanities, Arts, Social Sciences, and Education			
BA	Anthropology	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Applied Communication	3	MATH 11003 or MATH 11103 or MATH 13004
BAS	Applied Science	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Art: Art Education	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Art: Art History	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Art: Studio Art	3	MATH 11003 or MATH 11103 or MATH 13004
BSE	Elementary Education	15	MATH 11003 or MATH 11103 or MATH 13004; MATH 38063; MATH 38263; MATH 38363; MATH 48503
BA	English	3	MATH 11003 or MATH 11103 or MATH 13004
BA	English: Creative Writing	3	MATH 11003 or MATH 11103 or MATH 13004
BA	English: English Education	3	MATH 11003 or MATH 11103 or MATH 13004
BA	History	3	MATH 11003 or MATH 11103 or MATH 13004
BA	History: Education (Social Studies - History)	3	MATH 11003 or MATH 11103 or MATH 13004
BA	History: Education (Social Studies - Political Science)	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Interdisciplinary Studies	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Mass Communication: Journalism	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Mass Communication: Mass Media	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Mass Communication: Media Production & Design	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Mass Communication: Motion Picture	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Mass Communication: Strategic Public Relations	3	MATH 11003 or MATH 11103 or MATH 13004
BSE	Middle Level Education: Social Studies	3	MATH 11003 or MATH 11103 or MATH 13004
BSE	Middle Level Education: Language Arts	3	MATH 11003 or MATH 11103 or MATH 13004
BSE	Middle Level Education: Mathematics	24	MATH 11003; MATH 12003; MATH 12033; MATH 21003; MATH 26103; MATH 38363; MATH 38463; MATH 48503
BSE	Middle Level Education: Science	3	MATH 11003 or MATH 13004
BA	Music	3	MATH 11003 or MATH 11103 or MATH 13004

BA	Music: Music History	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Music: Music Theory	3	MATH 11003 or MATH 11103 or MATH 13004
BM	Music Education: Instrumental	3	MATH 11003 or MATH 11103 or MATH 13004
BM	Music Education: Vocal	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Philosophy	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Philosophy: Law	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Political Science	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Political Science: Education Licensure	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Political Science: International Studies	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Political Science: Law	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Professional & Technical Writing	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Psychology	3	PSYC 33554 (prerequisite: MATH 11003)
BA	Sociology	3	SOCI 33003 (prerequisite: MATH 11103)
BSE	Special Education	3	MATH 11003 or MATH 11103 or MATH 13004
BFA	Studio Art	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Theatre Arts	3	MATH 11003 or MATH 11103 or MATH 13004
BA	World Languages: Spanish	3	MATH 11003 or MATH 11103 or MATH 13004
College of Business, Health, and Human Services			
BBA	Accounting	12	MATH 11003 or MATH 13004; MATH 12033; ECON 21043; ECON 35543
BBA	Business Analytics	12	MATH 11003 or MATH 13004; MATH 12033; ECON 21043; ECON 35543
BBA	Business Information Systems	12	MATH 11003 or MATH 13004; MATH 12033; ECON 21043; ECON 35543
BS	Communication Sciences and Disorders	3	SOCI 33003 (prerequisite: MATH 11103) or PSYC 21043 (prerequisite: MATH 11003) or PSYC 33554 (prerequisite: MATH 11003 or MATH 11103)
BA	Criminal Justice	3	MATH 11003 or MATH 11103 or MATH 13004
BBA	Economics	12	MATH 11003 or MATH 13004; MATH 12033; ECON 21043; ECON 35543
BBA	Finance: Financial Services and Risk and Management	12	MATH 11003 or MATH 13004; MATH 12033; ECON 21043; ECON 35543
BBA	Finance: General Finance	12	MATH 11003 or MATH 13004; MATH 12033; ECON 21043; ECON 35543
BBA	Finance: Real Estate	12	MATH 11003 or MATH 13004; MATH 12033; ECON 21043; ECON 35543
BS	Health Education and Promotion	3	MATH 11003 or MATH 11103 or MATH 13004
BBA	International Business	12	MATH 11003 or MATH 13004; MATH 12033; ECON 21043; ECON 35543
BA	Interpretation: American Sign Language/English	3	MATH 11003 or MATH 11103 or MATH 13004
BS	K-12 Health & Physical Education	3	MATH 11003 or MATH 11103 or MATH 13004
BS	K-12 Health & Physical Education: Licensure Program	3	MATH 11003 or MATH 11103 or MATH 13004
BBA	Management	12	MATH 11003 or MATH 13004; MATH 12033; ECON 21043; ECON 35543
BBA	Management: Human Resource Management	12	MATH 11003 or MATH 13004; MATH 12033; ECON 21043; ECON 35543
BBA	Management: Innovation and Entrepreneurship	12	MATH 11003 or MATH 13004; MATH 12033; ECON 21043; ECON 35543
BBA	Marketing	12	MATH 11003 or MATH 13004; MATH 12033; ECON 21043; ECON 35543
BSN	Nursing	6	MATH 11003 or MATH 11103 ; PSYC 21043 or MATH 21003 or SOCI 33003 or PSYC 33543 or EDFD 41503
BSN	Nursing: RN to BSN Completion	6	MATH 11003 or MATH 11103 ; PSYC 21043 or MATH 21003 or SOCI 33003
BSW	Social Work	6	SCWK 32233 (prerequisite: MATH 11003 or MATH 11103); SCWK 38133
Donaghey College of Science, Technology, Engineering, and Mathematics			
BS	Biology: Clinical Biology	3	MATH 21003 (prerequisite: MATH 11003) or equivalent
BS	Biology: Ecology, & Organismal	3	MATH 21003 (prerequisite: MATH 11003) or equivalent Note: MATH 24004 and MATH 25004 required for some PHYS courses
BS	Biology: Education	4	MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004)
BS	Biology: General Biology	3	MATH 21003 (prerequisite: MATH 11003) or STAT 35003 (prerequisite: MATH 25004) or STAT 35203 (prerequisite: MATH 24004 or MATH 12033) Note: MATH 24004, MATH 25004, MATH 26004 required for some CHEM & PHYS courses
BS	Biology: Molecular Biotechnology	3	MATH 21003 (prerequisite: MATH 11003) or STAT 35003 (prerequisite: MATH 25004) or STAT 35203 (prerequisite: MATH 24004 or MATH 12033) Note: MATH 24004, MATH 25004, MATH 26004 required for some CHEM & PHYS courses
BA	Chemistry	4	MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004)

BA	Chemistry: Education	4	MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004)
BS	Chemistry	15	MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 25004; MATH 26004; 3 credit hours of upper-level MATH (30000+ level)
BS	Civil and Construction Engineering	21	MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 31263; MATH 32263; STAT 35203
BS	Computer Science	17	MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 25004; MATH 26103; MATH 31263; STAT 35203
BS	Computer Science: GAME	17	MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 25004; MATH 26103; MATH 31263; STAT 35203
BS	Construction Management	11-13	MATH 11003 and MATH 12003 or MATH 13004; MATH 12033 or MATH 24004 or PSYC 33554 or MATH 21003 or another MATH course beyond 11003 and 12003); 3 credit hours MATH elective
BS	Cybersecurity	12-14	MATH 12003 (prerequisite: MATH 11003 or MATH 13004) and MATH 12133 or MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004) and MATH 25004; MATH 26103; STAT 35203
BS	Electrical and Computer Systems Engineering	24	MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 26103; MATH 31263; MATH 32263; STAT 35203
BS	Electronics and Computer Engineering Technology	10-12	MATH 11003 and MATH 12003 or MATH 13004; MATH 12033; MATH 12133
BS	Geology	10-14	MATH 11003 and MATH 12003 or MATH 13004; MATH 24004 or MATH 12033; MATH 25004 or MATH 12133 or MATH 21003 or STAT 35203
BS	Geology: Environmental Geology	10-14	MATH 11003 and MATH 12003 or MATH 13004; MATH 24004 or MATH 12033; MATH 25004 or MATH 12133 or MATH 21003 or STAT 35203
BS	Information Science	9-10	MATH 12033 (prerequisite: MATH 11003 or MATH 13004) or MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 26103; STAT 35203 or PSYC 33543 or PSYC 33554 or MATH 21003 or ECON 21043
BA	Mathematics	44	MATH 12362; MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 26103; MATH 30263; MATH 31103; MATH 31263; MATH 32263; MATH 45103; MATH 49063; STAT 35203; 6 credit hours of approved MATH or STAT courses (30000+ level)
BA	Mathematics Education (Teacher Licensure)	57	MATH 12362; MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 26103; MATH 30263; MATH 31103; MATH 31263; MATH 32263; MATH 33063; MATH 46163; MATH 48164; MATH 48363; MATH 49063; STAT 35203; 9 credit hours of approved MATH or STAT courses (30000+ level)
BS	Mathematics	46	MATH 12362; MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 26103; MATH 30263; MATH 31103; MATH 31263; MATH 32263; MATH 45103; MATH 45203; MATH 41103 or MATH 44403 or MATH 40663; MATH 49063; STAT 35203; 3 credit hour MATH elective (30000+ level)
BS	Mathematics Education (Teacher Licensure)	51	MATH 12362; MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 26103; MATH 30263; MATH 31103; MATH 31263; MATH 32263; MATH 33063; MATH 40663 or MATH 41103 or MATH 44403; MATH 46163; MATH 48164; MATH 48363; MATH 49063; STAT 35203
BS	Mechanical Engineering Technology	10-12	MATH 11003 and MATH 12003 or MATH 13004; MATH 12033; MATH 12133
BS	Mechanical Engineering	21	MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 25004; MATH 26004; MATH 31263; MATH 32263; STAT 35003
BA	Physics	8	MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 25004
BS	Physics	8	MATH 24004 (prerequisite: MATH 11003 and MATH 12003 or MATH 13004); MATH 25004
BPS	Professional Studies: Construction	3	MATH 11003 or MATH 11103 or MATH 13004
BA	Web Design & Development	3	MATH 11003 or MATH 11103 or MATH 13004

University of Arkansas Monticello			2025 General Education Core Math Requirement:			
			3 hours selected from the following: MATH 11003 or MATH 11103 or any math course with MATH 11003 as a prerequisite higher than 10000			
			UAM Transfer Course Equivalency Guide:		https://www.uamont.edu/academics/academic-advising.html	
			Course Guide - Below is a key for all courses listed below under Math Requirements, including course number and course name.			
			Source for Math Requirements found at: https://catalog.uamont.edu/index.php?catoid=4			
			BADM 32303 Business Statistics II		MATH 25005 Calculus II	MATH 47181 Mathematics Seminar
			BIOS 32203 Biological Statistics		MATH 26003 Calculus III	PSYC 20183 Research Methods I
			BUSI 21003 Business Statistics I		MATH 32383 History of Mathematics	PSYC 22083 Statistical Methods
			ELED 40203 Teaching Mathematics		MATH 34183 Number Theory	SBSC 33143 Statistics for the Social Sciences
			MATH 11003 College Algebra		MATH 34283 College Geometry	STAT 23403 Introduction to Statistics
			MATH 11103 Quantitative Literacy		MATH 34583 Abstract Algebra	STAT 34003 Probability and Statistics
			MATH 12003 Trigonometry		MATH 34683 Linear Algebra	STEM 22403 Fundamentals of Geometric Concepts
			MATH 13005 Precalculus		MATH 34883 Mathematical Modeling	STEM 35503 Number Systems
			MATH 21003 Introduction to Statistics		MATH 35183 Discrete Mathematics	STEM 35603 Geometric Investigations
			MATH 22003 Compact Calculus		MATH 35283 Differential Equations	STEM 41203 Advanced Teaching Mathematics
			MATH 23383 Introduction to Proofs		MATH 36703 Introduction to Machine Learning	STEM 44203 Methods of Teaching Mathematics II
			MATH 24005 Calculus I		MATH 40083 Advanced Calculus	STEM 46603 Methods of Teaching Mathematics I
Degree	Field of Study/Major	Math Hours Required	Math Requirements NOTES: semi-colon signals "and" Blue text = programs of study that ACCEPT Quantitative Literacy <i>Courses in italics are prerequisites to other listed courses and are not factored into total math hours calculation</i>			
School of Arts and Humanities						
BA	Communication: Applied	3	MATH 11003 or MATH 11103 or higher			
BA	Communication: Media	3	MATH 11003 or MATH 11103 or higher			
BA	Communication: Professional Writing	3	MATH 11003 or MATH 11103 or higher			
BA	Communication: Speech	3	MATH 11003 or MATH 11103 or higher			
BA	English: Creative Writing	3	MATH 11003 or MATH 11103 or higher			
BA	English: Composition and Rhetoric	3	MATH 11003 or MATH 11103 or higher			
BA	English: Literature	3	MATH 11003 or MATH 11103 or higher			
BLA	Liberal Arts: Art	3	MATH 11003 or MATH 11103 or higher			
BLA	Liberal Arts: Communication	3	MATH 11003 or MATH 11103 or higher			
BLA	Liberal Arts: English	3	MATH 11003 or MATH 11103 or higher			
BLA	Liberal Arts: Modern Languages	3	MATH 11003 or MATH 11103 or higher			
BLA	Liberal Arts: Music	3	MATH 11003 or MATH 11103 or higher			
School of Arts and Humanities - Division of Music						
BA	Music: Instrumental	3	MATH 11003 or MATH 11103 or higher			
BA	Music: Jazz	3	MATH 11003 or MATH 11103 or higher			
BA	Music: Piano	3	MATH 11003 or MATH 11103 or higher			
BA	Music: Vocal	3	MATH 11003 or MATH 11103 or higher			
BME	Music Education: Instrumental	3	MATH 11003 or MATH 11103 or higher			
BME	Music Education: Piano	3	MATH 11003 or MATH 11103 or higher			
BME	Music Education: Vocal	3	MATH 11003 or MATH 11103 or higher			
School of Business						
BBA	Accounting	9	MATH 11003 or MATH 11103 or higher; BUSI 21003; BADM 32303			
BBA	Business Administration: Finance	9	MATH 11003 or MATH 11103 or higher; BUSI 21003; BADM 32303			
BBA	Business Administration: General Business	9	MATH 11003 or MATH 11103 or higher; BUSI 21003; BADM 32303			
BBA	Business Administration: Management	9	MATH 11003 or MATH 11103 or higher; BUSI 21003; BADM 32303			
BBA	Business Administration: Marketing	9	MATH 11003 or MATH 11103 or higher; BUSI 21003; BADM 32303			
School of Computer Information Systems						
BS	Computer Information Systems: Cybersecurity	6	MATH 11003 or MATH 11103 or higher; BUSI 21003			
BS	Computer Information Systems: Programming	6	MATH 11003 or MATH 11103 or higher; BUSI 21003			

BS	Computer Science	22	MATH 21003; MATH 24005 (<i>prerequisite: MATH 11003 and MATH 12003 or MATH 13005</i>); MATH 25005; MATH 35183; MATH 35283; MATH 36703
School of Education			
BSE	Education Studies	12	MATH 11003; MATH 11103 ; STEM 22403; STEM 35503
BS	Exercise Science	6	MATH 11003 or MATH 11103 or higher; PSYC 22083
BS	Health & Physical Education (non-licensure): Coaching	3	MATH 11003 or MATH 11103 or higher
BS	Health & Physical Education (non-licensure): Esports	3	MATH 11003 or MATH 11103 or higher
BS	Health & Physical Education (non-licensure): Sports Administration	3	MATH 11003 or MATH 11103 or higher
BA	K-6 Elementary Education	15	MATH 11103 ; ELED 40203; STEM 22403; STEM 35503; STEM 41203
BA	Middle Level Education: Language Arts/Math	21	MATH 11003; MATH 11103 ; ELED 40203; STEM 22403; STEM 35503; STEM 35603; STEM 41203
BA	Middle Level Education: Language Arts/Science	3	MATH 11103 Note: <i>MATH 11003, MATH 12003, and MATH 13005 required for some science courses</i>
BA	Middle Level Education: Language Arts/Social Studies	3	MATH 11103
BA	Middle Level Education: Math/Science	21	MATH 11003; MATH 11103 ; ELED 40203; STEM 22403; STEM 35503; STEM 35603; STEM 41203 Note: <i>MATH 12003 and MATH 13005 required for some science courses</i>
BA	Middle Level Education: Math/Social Studies	21	MATH 11003; MATH 11103 ; STEM 22403; STEM 35503; STEM 35603; ELED 40203; STEM 41203
BA	Middle Level Education: Social Studies/Science	3	MATH 11103 Note: <i>MATH 11003, MATH 12003, and MATH 13005 required for some science courses</i>
BS	Teaching and Learning (non-licensure)	15	MATH 11003; MATH 11103 ; STEM 22403; STEM 35503; STEM 35603
College of Forestry, Agriculture and Natural Resources			
BS	Agriculture: Agri-Business	6	MATH 11003; BUSI 21003 or PSYC 22083
BS	Agriculture: Animal Science	6	MATH 11003; PSYC 22083
BS	Agriculture: General Agriculture	6	MATH 11003; PSYC 22083
BS	Agriculture: Plant and Soil Science	6	MATH 11003; PSYC 22083
BS	Land Surveying	9-11	MATH 11003; MATH 12003; MATH 22003 or MATH 24005
BS	Natural Resources Management: Communications	6	MATH 11003; MATH 12003
BS	Natural Resources Management: Environmental Science	6	MATH 11003; MATH 12003
BS	Natural Resources Management: Forestry	6	MATH 11003; MATH 12003
BS	Natural Resources Management: Geospatial Science	6	MATH 11003; MATH 12003
BS	Natural Resources Management: Wildlife Management & Conservation	6	MATH 11003; MATH 12003
Division of General Studies			
BAS	Applied Sciences	3	MATH 11003 or MATH 11103 or higher
BIS	General Studies	3	MATH 11003 or MATH 11103 or higher
School of Mathematical Natural Sciences			
BS	Biology	6	MATH 11003; MATH 12003
BS	Biology: Biochemistry/Biology (double major)	11	MATH 11003; MATH 12003; MATH 24005
BS	Biology: Pre-Veterinary	9	MATH 11003; MATH 12003; PSYC 22083
BS	Biology: Organismal Biology	9	MATH 11003; MATH 12003; BIOS 32203
BS	Chemistry	19	MATH 11003; MATH 12003; MATH 24005; MATH 25005; MATH 26003
BS	Chemistry: Biochemistry	11	MATH 11003; MATH 12003; MATH 24005
BS	Chemistry: Biochemistry/Biology (double major)	11	MATH 11003; MATH 12003; MATH 24005
BS	Math	53	MATH 12003 (<i>prerequisite: MATH 11003</i>); MATH 21003; MATH 23383; MATH 24005; MATH 25005; MATH 26003; MATH 34183; MATH 34283; MATH 34583; MATH 34683; MATH 35183; MATH 35283; MATH 40083; MATH 47181; STAT 34003; 6 credit hours MATH electives (30000+ level)
BS	Math: Data Science	44	<i>MATH 12003</i> (<i>prerequisite: MATH 11003</i>); MATH 21003; MATH 23383; MATH 24005; MATH 25005; MATH 26003; MATH 34683; MATH 35183; MATH 35283; MATH 47181; STAT 34003; 9 credit hours of MATH electives (30000+ level)
BS	Math: Secondary Mathematics (non-licensure)	54	MATH 11003; MATH 11103; MATH 12003; MATH 23383; MATH 24005; MATH 25005; MATH 26003; MATH 32383; MATH 34283; MATH 34683; MATH 35183; MATH 47181; STEM 35503; STEM 35603; STEM 44203; STEM 46603; 3 credit hours of MATH electives (30000+ level)

BS	Natural Science: Life Science	6	MATH 11003; MATH 12003
BS	Natural Science: Physical Science	9-11	MATH 11003; MATH 12003; MATH 22003 or MATH 24005
School of Nursing			
BSN	Nursing	6	MATH 11003 or MATH 11103 ; PSYC 22083 or BUSI 21003 or MATH 21003 or STAT 34003 or SBSC 33143
BSN	Nursing: Pre-licensure to BSN	6	MATH 11003 or MATH 11103 ; PSYC 22083 or BUSI 21003 or MATH 21003 or STAT 34003 or SBSC 33143
BSN	Nursing: RN to BSN Advanced Placement	6	MATH 11003 or MATH 11103 ; PSYC 22083 or BUSI 21003 or MATH 21003 or STAT 34003 or SBSC 33143
School of Social and Behavioral Sciences			
BS	Criminal Justice	6	MATH 11003 or MATH 11103 or higher; SBSC 33143
BA	History/Political Science	6	MATH 11003 or MATH 11103 or higher; SBSC 33143
BA	History/Political Science: History	3	MATH 11003 or MATH 11103 or higher
BA	History/Political Science: Political Science	6	MATH 11003 or MATH 11103 or higher; SBSC 33143
BS	Psychology	6	MATH 11003 or MATH 11103 or higher; PSYC 22083
BSW	Social Work	6	MATH 11103 or higher; SBSC 33143

University of Arkansas Pine Bluff

2025 General Education Core Math Requirement

3 credit hours from the following: MATH 1330 or [MATH 1360](#) or higher-level math course

UAPB Transfer Course Equivalency Guide:

<https://uapb.catalog.acalog.com/content.php?catoid=3&navoid=85>

Course Guide - Below is a key for all courses listed below under Math Requirements, including course number and course name.

Source for Math Requirements found at: https://uapb.catalog.acalog.com/preview_program.php?catoid=8&poid=533

AGRI 3351 Biostatistics	MATH 2312 Business Calculus II	MATH 4300 Modern Algebra I
CPSC 3172 Intro To Numerical Solutions Lab	MATH 2343 Modern Elementary Math I	MATH 4310 Modern Algebra II
CPSC 3271 Intro To Numerical Solutions	MATH 2344 Modern Elementary Math II	MATH 4320 Differential Equations I
CPSC 3346 Bioinformatics	MATH 2370 Intro to Statistics	MATH 4321 Differential Equations II
ECON 3311 Business Statistics	MATH 2510 Calculus I	MATH 4399 History of Mathematics
ECON 3312 Statistic for Decision Making	MATH 2520 Calculus II	PHYS 4361 Math Methods in Physics
ELED 4308 Teaching Math in the Elementary School	MATH 3300 Selected Topics/Sec Math/Teachers	PHYS 3310 University Physics I
FINA 2321 Business Math	MATH 3311 Linear Algebra	PHYS 3110 University Physics I Lab
MATH 1330 College Algebra	MATH 3320 Probability And Statistics I	PHYS 3320 University Physics II
MATH 1340 College Trigonometry	MATH 3321 Probability And Statistics II	PHYS 3120 University Physics II Lab
MATH 1359 Enhanced Quantitative Literacy	MATH 3331 Multi-Variable Calculus	PSYC 3300 Psychological Statistic I
MATH 1360 Quantitative Literacy	MATH 3350 College Geometry	PSYC 4300 Psychological Statistic II
MATH 1550 Pre-Calculus	MATH 3390 Discrete Mathematics	SOCI 3312 Statistical Techniques in Social Sciences
MATH 2311 Business Calculus I	MATH 4220 Mathematics Seminar	SWRK 4320 Statistical Techniques in Social Work

Degree	Field of Study/Major	Math Hours Required	Math Requirements Notes: semi-colon signals "and" Blue text = programs of study that ACCEPT Quantitative Literacy <i>Courses in italics are prerequisites to other listed courses and are not factored into total math hours calculation</i>
School of Agriculture, Fisheries and Human Sciences			
BSAE	Agricultural Engineering	10	MATH 2510 (<i>prerequisite: MATH 1330 and MATH 1340 or MATH 1550</i>); MATH 2520
BS	Agricultural Sciences: Agricultural Business	6	MATH 1330 or higher; 3 credit hours of MATH elective
BS	Agricultural Sciences: Agricultural Economics	9	MATH 1330 or higher; MATH 2370; ECON 3311
BS	Agricultural Sciences: Animal Science	6	MATH 1330 or higher; 3 credit hours of MATH elective
BS	Agricultural Sciences: Plant and Soil Science (Agronomy)	6	MATH 1330 or higher; AGRI 3351
BS	Agricultural Sciences: Poultry Science	6	MATH 1330 or higher; AGRI 3351
BS	Aquaculture and Fisheries Sciences	6	MATH 1330; MATH 1340
BS	Aquaculture and Fisheries Sciences: Aquaculture and Seafood Business	14	MATH 1330; MATH 1340; MATH 2510 (<i>prerequisite: MATH 1330 and MATH 1340 or MATH 1550</i>); ECON 3311 or AGRI 3351
BS	Aquaculture and Fisheries Sciences: Aquaculture	6	MATH 1330; MATH 1340
BS	Aquaculture and Fisheries Sciences: Fisheries Science	6	MATH 1330; MATH 1340
BSHTM	Hospitality and Tourism Management	3	MATH 1330 or MATH 1360 or higher
BS	Human Sciences Education	3	MATH 1330 or higher
BS	Human Sciences: Food Service & Restaurant Management	3	MATH 1330 or MATH 1360 or higher
BS	Human Sciences: Human Development & Family Studies	3	MATH 1330 or MATH 1360 or higher
BS	Human Sciences: Merchandising, Textiles and Design	6	MATH 1330 or MATH 1359 ; FINA 2321
BS	Human Sciences: Nutrition and Food Science	6	MATH 1330 or higher; MATH 2370 or AGRI 3351
BS	Regulatory Science: Agricultural Science	6	MATH 1330 or higher; AGRI 3351
BS	Regulatory Science: Environmental Biology	6	MATH 1330 or higher; MATH 1340
BS	Regulatory Science: Industrial Health and Safety	9	MATH 1330 or higher; MATH 1340; MATH 2370
School of Arts and Sciences			
BS	Art: Art Education	3	MATH 1330 or MATH 1360 or higher
BS	Art: Digital Media Studio	3	MATH 1330 or MATH 1360 or higher
BS	Art: Visual Arts	3	MATH 1330 or MATH 1360 or higher
BS	Biology	9-11	MATH 1330; MATH 1340; MATH 2370 or MATH 2510 or MATH 3321 (<i>prerequisite: MATH 3320</i>)
BS	Chemistry and Physics: Biochemistry	13-14	(MATH 1330 and MATH 1340) or MATH 1550; MATH 2510; MATH 2370 or CPSC 3346
BS	Chemistry and Physics: Chemistry	10	MATH 2510 (<i>prerequisite: MATH 1330 and MATH 1340 or MATH 1550</i>); MATH 2520
BS	Chemistry and Physics: Chemistry Education	6	MATH 1330; MATH 1340

BS	Chemistry and Physics: Forensic Chemistry	8	MATH 2510 (prerequisite: MATH 1330 and MATH 1340 or MATH 1550); MATH 2370 or CPSC 3346
BS	Chemistry and Physics: Nanoscience	18-19	(MATH 1330 and MATH 1340) or MATH 1550; MATH 2510; MATH 2520; PHYS 4361
BS	Chemistry and Physics: Physics	16	MATH 2510 (prerequisite: MATH 1330 and MATH 1340 or MATH 1550); MATH 2520; MATH 4320; PHYS 4361
BS	Computer Science: Mathematics	24	MATH 1550; MATH 2370; MATH 2510; MATH 2520; MATH 3390; CPSC 3271; CPSC 3172
BS	Computer Science: Information Systems	24	MATH 1550; MATH 2370; MATH 2510; MATH 2520; MATH 3390; CPSC 3271; CPSC 3172
BA	Criminal Justice	6	MATH 1330 or MATH 1359 or MATH 1360 or higher; SOCI 3312 (prerequisite: MATH 2370)
BS	Cybersecurity	15	MATH 1330 or higher; MATH 2311; MATH 2312; MATH 2370; MATH 3390
BA	English: English Education	3	MATH 1330 or higher
BA	English: English Literature/Liberal Arts	3	MATH 1330 or higher
BSEngr	Engineering	19	MATH 2510 (prerequisite: MATH 1330 and MATH 1340 or MATH 1550); MATH 2520; MATH 2370 or MATH 3320; MATH 3311; MATH 4320
BS	Industrial Technology	8	MATH 1550; MATH 2370
BA	Mass Communications: Multimedia News	3	MATH 1360 or higher
BA	Mass Communications: Multimedia Production	3	MATH 1360 or higher
BA	Mass Communications: Public Relations	3	MATH 1360 or higher
BS	Mathematics	52	MATH 2510 (prerequisite: MATH 1330 and MATH 1340 or MATH 1550); MATH 2520; MATH 3311; MATH 3320; MATH 3331; MATH 3350; MATH 3390; MATH 4300; MATH 4320; CPSC 3172; CPSC 3271; 18 credit hours of advisor approved MATH electives
BS	Mathematics: Mathematics Education	34	MATH 2510 (prerequisite: MATH 1330 and MATH 1340 or MATH 1550); MATH 2520; MATH 2370; MATH 3300; MATH 3311; MATH 3331; MATH 3350; MATH 3390; MATH 4300; MATH 4399
BS	Music: Music and an Outside Field	3	MATH 1330 or higher
BS	Music: Sound Recording Technology	3	MATH 1330 or MATH 1359 or higher
BS	Music: Vocal/Piano/Instrumental K-12 Education	3	MATH 1330 or higher
BSN	Nursing	6	MATH 1330 or higher; MATH 2369
BSN	Nursing: RN to BSN	6	MATH 1330 or higher; MATH 2370
BS	Psychology	9	MATH 1330 or MATH 1359 or MATH 1360 or higher; PSYC 3300; PSYC 4300
BS	Science Education: Life Science	6	MATH 1330; MATH 1340
BS	Science Education: Chemistry	5-6	(MATH 1330 and MATH 1340) or MATH 1550
BS	Social Sciences: Gerontology	6	MATH 1330 or MATH 1359 or MATH 1360 or higher; SOCI 3312 (prerequisite: MATH 2370)
BS	Social Sciences: History	6	MATH 1330 or MATH 1359 or MATH 1360 or higher; SOCI 3312 (prerequisite: MATH 2370)
BS	Social Sciences: Political Science	6	MATH 1330 or MATH 1359 or MATH 1360 or higher; SOCI 3312 (prerequisite: MATH 2370)
BS	Social Sciences: Social Studies Education 7-12	3	MATH 1330 or higher
BS	Social Sciences: Sociology	6	MATH 1330 or MATH 1359 or MATH 1360 or higher; SOCI 3312 (prerequisite: MATH 2370)
BA	Social Work	6	MATH 1330 or MATH 1360 or higher; SWRK 4320 or SOCI 3312
BA	Theatre	6	MATH 1330 or MATH 1359 or MATH 1360 or higher
School of Business and Management			
BS	Accounting	9	MATH 1330 or higher; ECON 3311; FINA 2321
BS	Business Administration: Business Technology Education	6	MATH 1330 or higher; FINA 2321
BS	Business Administration: Economics	12	MATH 1330 or higher; ECON 3311; ECON 3312; FINA 2321
BS	Business Administration: Entrepreneurship	12	MATH 1330 or higher; ECON 3311; ECON 3312; FINA 2321
BS	Business Administration: Finance	12	MATH 1330 or higher; ECON 3311; ECON 3312; FINA 2321
BS	Business Administration: International Business	12	MATH 1330 or higher; ECON 3311; ECON 3312; FINA 2321
BS	Business Administration: Management	12	MATH 1330 or higher; ECON 3311; ECON 3312; FINA 2321
BS	Business Administration: Marketing	12	MATH 1330 or higher; ECON 3311; ECON 3312; FINA 2321
School of Education			
BS	Elementary Education K-6	12	MATH 1330 or higher; MATH 4340; MATH 4341; ELED 4308
BS	Health, Physical Education, and Recreation: Recreation/Wellness	3	MATH 1330 or higher
BS	Health, Physical Education, and Recreation: Teacher Education K 12	3	MATH 1330 or MATH 1360 or higher
BS	Rehabilitation Services	3	MATH 1330 or MATH 1360 or higher
BS	Special Education K-12	9	MATH 1330 or higher; MATH 4340; ELED 4308
University College			

BGS	General Education	3	MATH 1330 or MATH 1360 or higher
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University of Central Arkansas

2025 General Education Core Math Requirement

3 hours selected from the following: [MATH 1360](#), [MATH 1365](#), MATH 1390, MATH 1392, MATH 1395, MATH 1486, MATH 1491 or MATH 1496

UCA Transfer Course Equivalency Guide:

https://uca.edu/registrar/transfer_course/

Course Guide - Below is a key for all courses listed below under Math Requirements, including course number and course name.

Source for Math Requirements found at: <https://uca.edu/academicbulletins/files/2025/05/ld-uca-core-20250513-printable.pdf>

CISA 2330 Business Statistics	MATH 3331 Ordinary Differential Equations I	MATH 4335 Concepts of Advanced Mathematics
CSCI 2330 Discrete Mathematics for Computing	MATH 3351 Number Systems: Integers	MATH 4340 Numerical Methods
CSCI 4310 Numerical Methods for Data Science	MATH 3352 Number Systems: Reals	MATH 4345 College Geometry
CSCI 4390 Theory of Computation	MATH 3354 Concepts of Discrete Mathematics	MATH 4350 Introduction to the History of Mathematics
GEOG 2330 Quantitative Methods in Geography	MATH 3360 Introduction to Rings and Fields	MATH 4362 Advanced Calculus I
MATH 1360 Quantitative Literacy	MATH 3362 Introduction to Group Theory	MATH 4363 Advanced Calculus II
MATH 1365 Mathematical Reasoning for Health Science Professions	MATH 3364 Concepts of Geography and Measurement	MATH 4371 Introduction to Probability
MATH 1390 College Algebra	MATH 3370 Mathematics in Secondary Schools	MATH 4372 Introduction to Statistical Inference
MATH 1392 Plane Trigonometry	MATH 3381 Data Cleaning and Visualization	MATH 4373 Regression Analysis
MATH 1395 Business Mathematics	MATH 3391 Nonparametric Statistics	MATH 4374 Introduction to Stochastic Processes
MATH 1486 Calculus Preparation	MATH 3392 Multivariate Analysis	MATH 4375 Introduction to Topology
MATH 1491 Applied Calculus	MATH 4V25 Undergraduate Research in Math	MATH 4379 Introduction to Calculus Variations
MATH 1496 Calculus I	MATH 4200 Introduction to Educational Testing and Assessment in STEM	MATH 4380 Special Problems in Mathematics
MATH 1497 Calculus II	MATH 4301 Secondary Mathematics Methods	MATH 4381 Special Problems in Mathematics
MATH 2V25 Independent Study in Mathematics	MATH 4305 Ordinary Differential Equations II	MATH 4385 Complex Analysis
MATH 2311 Elementary Statistics	MATH 4306 Modeling and Simulation	MATH 4391 Machine Learning
MATH 2330 Discrete Structures I	MATH 4310 Geometry and Measurement Topics for Elementary Teachers	MATH 4392 Time Series and Forecasting
MATH 2335 Transition to Advanced Mathematics	MATH 4312 The Metric System & Other Topics for Elementary and Middle School Teachers	MATH 4395 Practicum in Data Science
MATH 2341 Intro to Mathematical Computation	MATH 4313 Functions and Modeling	MATH 4660 Teaching Internship I
MATH 2471 Calculus III	MATH 4314 Applications of Middle Level Mathematics	MATH 4990 Teaching Internship II
MATH 3V25 Special Topics in Mathematics	MATH 4315 Intro to Partial Differential Equations	PSCI 2312 Statistical Methods for Political Analysis
MATH 3311 Statistical Methods	MATH 4316 Fundamentals of Applied Math for Fluid Mechanics and Granular Materials	PSYC 2330 Psychological Statistics
MATH 3320 Linear Algebra	MATH 4320 Concepts of Calculus	SOC 2321 Social Statistics
MATH 3330 Combinatorics and Graph Theory	MATH 4330 Mathematical Modeling in Biology	

Degree	Field of Study/Major	Math Hours Required	Math Requirements
			Notes: semi-colon signals "and"
			Blue text = programs of study that ACCEPT Quantitative Literacy or Mathematical Reasoning for Health Science Professions <i>Courses in italics are prerequisites to other listed courses and are not factored into total math hours calculation</i>
College of Arts, Humanities, and Social Sciences			
BS	Anthropology	6	MATH 1360; SOC 2321
BA	Art: Art Education	3	MATH 1360
BA	Art: Art History	3	MATH 1360
BA	Art: Fine Arts	3	MATH 1360
BFA	Studio Art: Ceramics	3	MATH 1360
BFA	Studio Art: Drawing and Illustration	3	MATH 1360
BFA	Studio Art: Graphic Design	3	MATH 1360
BFA	Studio Art: Painting	3	MATH 1360
BFA	Studio Art: Photography	3	MATH 1360
BFA	Studio Art: Printmaking	3	MATH 1360
BFA	Studio Art: Sculpture	3	MATH 1360
BA	Communication	3	MATH 1360

BS	Communication	9-11	MATH 1360; Option 1: 6-8 credit hours of MATH or laboratory science electives or Option 2: (PSCI 2312 or PSYC 2330 or SOC 2321) and PRLS 3315
BA	Creative Writing	3	MATH 1360
BS	Criminology	6	MATH 1360; SOC 2321
BA	English	3	MATH 1360
BA	English: Teaching Licensure	3	MATH 1360
BA	Film	3	MATH 1360
BGS	General Studies	3	MATH 1360
BA	History	3	MATH 1360
BS	History	9	MATH 1360; 6 credit hours of CISA/CSCI/GEOG/MATH/PHIL/PSCI/SOC electives
BA	Interior Design	3	MATH 1360
BS	Interior Design	3	MATH 1360
BA	International Studies	6	MATH 1360; PSCI 2312 or PSCI 2322
BA	Journalism: Broadcast Journalism	3	MATH 1360 <i>Note: Related course requirements include optional 6-8 credit hours of math and/or laboratory science</i>
BA	Journalism: Online Journalism	3	MATH 1360 <i>Note: Related course requirements include optional 6-8 credit hours of math and/or laboratory science</i>
BA	Journalism: Print Journalism	3	MATH 1360 <i>Note: Related course requirements include optional 6-8 credit hours of math and/or laboratory science</i>
BA	Linguistics: Computer Science	3	MATH 1390
BA	Linguistics: Language	3	MATH 1360
BA	Linguistics: TESOL	3	MATH 1360
BA	Linguistics: General Linguistics	3	MATH 1360
BA	Modern Languages: Chinese Business	3	MATH 1395
BA	Modern Languages: Chinese K-12 Foreign Language Education	3	MATH 1360
BA	Modern Languages: Chinese Language & Literature	3	MATH 1360
BA	Modern Languages: French Business	3	MATH 1395
BA	Modern Languages: French K-12 Foreign Language Education	3	MATH 1360
BA	Modern Languages: French Language & Literature	3	MATH 1360
BA	Modern Languages: Spanish Business	3	MATH 1395
BA	Modern Languages: Spanish K-12 Foreign Language Education	3	MATH 1360
BA	Modern Languages: Spanish Language & Literature	3	MATH 1360
BA	Music	3	MATH 1360
BM	Music: Composition	3	MATH 1360
BM	Music: Performance - Instrumental	3	MATH 1360
BM	Music: Performance - Jazz & Studio Music/Instrumental	3	MATH 1360
BM	Music: Performance - Jazz & Studio Music/Vocal	3	MATH 1360
BM	Music: Performance - Piano	3	MATH 1360
BM	Music: Performance - Vocal	3	MATH 1360
BM	Music: Piano Pedagogy	3	MATH 1360
BME	Music Education: K-12 - Instrumental/Woodwind, Brass, Percussion	3	MATH 1360
BME	Music Education: K-12 - Instrumental/String	3	MATH 1360
BME	Music Education: K-12 - Piano/Vocal	3	MATH 1360
BME	Music Education: K-12 - Piano/Instrumental	3	MATH 1360
BME	Music Education: K-12 - Vocal	3	MATH 1360
BS	Philosophy	3	MATH 1360
BA	Political Science	3	MATH 1360; PSCI 2312 or PSCI 2322
BS	Political Science	3	MATH 1360; PSCI 2312 or PSCI 2322
BPA	Public Administration	3	MATH 1360
BA	Public Relations: Analytical Competence	6	MATH 1360; CISA 2330 or PSCI 2312 or PSYC 2330

BA	Public Relations: Global Competence	3	MATH 1360
BA	Religious Studies	3	MATH 1360
BSE	Social Studies: History	3	MATH 1390
BS	Sociology	6	MATH 1360; SOC 2321
BA	Theatre	3	MATH 1360
BA	Writing, Rhetoric & Information Design: Technical & Professional Writing	3	MATH 1360
BA	Writing, Rhetoric & Information Design: Writing Studies	3	MATH 1360
College of Business			
BBA	Accounting	6	MATH 1395; CISA 2330
BS	Applied Data Analytics	6	MATH 1395; CISA 2330
BBA	Computer Information Systems	6	MATH 1395; CISA 2330
BS	Cybersecurity Management	6	MATH 1395; CISA 2330 or MATH 2311
BA	Economics: International Trade	3	MATH 1395
BBA	Economics: International Trade	6	MATH 1395; CISA 2330
BS	Economics	6	MATH 1395; CISA 2330
BS	Economics: Pre-Law	6	MATH 1395; CISA 2330
BBA	Finance	6	MATH 1395; CISA 2330
BBA	General Business	6	MATH 1395; CISA 2330
BS	Information Systems	6-7	MATH 1395 or MATH 1491 (prerequisite: MATH 1390); CISA 2330 or MATH 2311
BBA	Innovation & Entrepreneurship	6	MATH 1395; CISA 2330
BBA	Insurance & Risk Management	6	MATH 1395; CISA 2330
BBA	Insurance & Risk Management: Personal Financial Planning	6	MATH 1395; CISA 2330
BBA	Logistics & Supply Chain Management	6	MATH 1395; CISA 2330
BBA	Management	6	MATH 1395; CISA 2330
BBA	Management: Human Resource Management	6	MATH 1395; CISA 2330
BBA	Marketing	6	MATH 1395; CISA 2330
College of Education			
BSE	Elementary Education (K-6)	12	MATH 1360; MATH 3351; MATH 3352; MATH 4310
BSE	Middle Level Education: Language Arts & Math	21	MATH 1390; MATH 3352; MATH 3354; MATH 3364; MATH 4314; MATH 4320; MATH 4335
BSE	Middle Level Education: Language Arts & Science	3	MATH 1390
BSE	Middle Level Education: Language Arts & Social Studies	3	MATH 1360
BSE	Middle Level Education: Math & Science	21	MATH 1390; MATH 3352; MATH 3354; MATH 3364; MATH 4314; MATH 4320; MATH 4335
BSE	Middle Level Education: Math & Social Studies	21	MATH 1390; MATH 3352; MATH 3354; MATH 3364; MATH 4314; MATH 4320; MATH 4335
BSE	Middle Level Education: Science & Social Studies	3	MATH 1390
BSE	Special Education K-12	9	MATH 1360; MATH 3352; MATH 3364
College of Health and Behavioral Sciences			
BS	Addiction Studies: Prevention	6	MATH 1360; CISA 2330 or GEOG 2330 or MATH 2311 or PSCI 2312 or PSYC 2330 or SOC 2321
BS	Addiction Studies: Treatment	6	MATH 1360; CISA 2330 or GEOG 2330 or MATH 2311 or PSCI 2312 or PSYC 2330 or SOC 2321
BS	Communication Sciences and Disorders	6	MATH 1365 or MATH 1390 (required for some science courses); CISA 2330 or GEOG 2330 or MATH 2311 or PSCI 2312 or PSYC 2330 or SOC 2321
BS	Community Nutrition	6	MATH 1365; CISA 2330 or GEOG 2330 or MATH 2311 or PSCI 2312 or PSYC 2330 or SOC 2321
BS	Dietetics	6	MATH 1365; CISA 2330 or GEOG 2330 or MATH 2311 or PSCI 2312 or PSYC 2330 or SOC 2321
BS	Exercise Science	6	MATH 1390; MATH 2311 or PSYC 2330 or SOC 2321
BS	Family and Consumer Sciences	3	MATH 1360
BSE	Family and Consumer Sciences: Education	3	MATH 1360
BS	Health Promotion	6	MATH 1360; CISA 2330 or GEOG 2330 or MATH 2311 or PSCI 2312 or PSYC 2330 or SOC 2321
BS	Healthcare Administration	6	MATH 1390; CISA 2330 or GEOG 2330 or MATH 2311 or PSCI 2312 or PSYC 2330 or SOC 2321
BS	Medical Laboratory Science	6	MATH 1390; CISA 2330 or GEOG 2330 or MATH 2311 or PSCI 2312 or PSYC 2330 or SOC 2321
BS	Nuclear Medicine Technology	6	MATH 1390; ECON 2330 or MATH 2311 or PSYC 2330 or SOC 2321
BSN	Nursing	6	MATH 1365; CISA 2330 or MATH 2311 or PSY 2312 or PSYC 2330 or SOC 2321
BS	Nutrition Science	6	MATH 1390; CISA 2330 or GEOG 2330 or MATH 2311 or PSCI 2312 or PSYC 2330 or SOC 2321

BSE	Physical Education (K-12)	3	MATH 1360
BS	Psychology	6	MATH 1360; PSYC 2330
BS	Radiography: Baptist	3	MATH 1390
BS	Radiography: St. Vincent	3	MATH 1390
College of Science and Engineering			
BS	Biology	10	MATH 1390; MATH 1491 or MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 2311
BSE	Science and Technology: Biology	8	MATH 1390; MATH 2311; MATH 4200
BSE	Science and Technology: Chemistry	10	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 4200
BSE	Science and Technology: Computer Science	6	MATH 1491 or MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 4200
BSE	Science and Technology: Physics	17	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 2471; MATH 3331; MATH 4200
BS	Chemistry: Standard (ACS Certified)	15	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 2471; MATH 3331
BS	Chemistry: Biochemistry (ACS Certified)	12	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 2471
BS	Chemistry (non-ACS Certified)	12	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 2471
BS	Computer Science	19-20	MATH 1390; MATH 1491 or MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 3311; MATH 3320; CSCI 2330; MATH 1497 or MATH 4340 or CSCI 4310 or CSCI 4390
BS	Computer Science: Data Science	16	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 2311; MATH 3311; MATH 3320; CSCI 2330
BS	Cybersecurity: Cyberphysical Security	10	MATH 1491 (prerequisite: MATH 1390) or MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); CISA 2330 or MATH 2311 or PSCI 2312; CSCI 2330
BS	Cybersecurity: Management of Cybersecurity	10	MATH 1491 (prerequisite: MATH 1390) or MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); CISA 2330 or MATH 2311 or PSCI 2312; CSCI 2330
BS	Cybersecurity: Strategic Policy	10	MATH 1491 (prerequisite: MATH 1390) or MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); CISA 2330 or MATH 2311 or PSCI 2312; CSCI 2330
BS	Data Science - Business	23	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 3311; MATH 3320; MATH 3381; MATH 4371; CSCI 2330
BS	Data Science - Computer Science	23	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 3311; MATH 3320; MATH 3381; MATH 4371; CSCI 2330
BS	Data Science - Statistics	38	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 3311; MATH 3320; MATH 3381; MATH 3391 or MATH 4381; MATH 3392; MATH 4371; MATH 4373; MATH 4391; MATH 4392; CSCI 2330
BS	Engineering Physics	15	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 2471; MATH 3331
BS	Environmental Science: Biology	7	MATH 1491 (prerequisite: MATH 1390) or MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); CISA 2330 or GEOG 2330 or MATH 2311 or PSCI 2312 or PSYC 2330 or SOC 2321
BS	Environmental Science: Chemistry	8	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497
BS	Environmental Science: Planning and Administration	6	MATH 1390; GEOG 2330
BS	General Science: Option A	4	MATH 1491 (prerequisite: MATH 1390) or MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486)
BS	General Science: Option B	8	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497
BS	Geography	6	MATH 1360; GEOG 2330
BS	Geography: Geospatial Technology	6	MATH 1360; GEOG 2330
BS	Mathematics: Applied Mathematics	42	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 2335; MATH 2341; MATH 2471; MATH 3311; MATH 3320; MATH 3331; MATH 4306; MATH 4315 or MATH 4340 or MATH 4373; MATH 4371; 6 credit hours of MATH electives
BS	Mathematics: Data Science	42	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 2341; MATH 2471; MATH 3311; MATH 3320; MATH 3381; MATH 3392; MATH 4371; MATH 4373; MATH 4391; MATH 3391 or MATH 4372 or MATH 4374 or MATH 4392 or MATH 4381; 3 credit hours of approved MATH elective
BS	Mathematics: Education	63	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 2335; MATH 2341; MATH 2471; MATH 3311; MATH 3320; MATH 3360; MATH 3370; MATH 4301; MATH 4313; MATH 4345; MATH 4350; MATH 4660; MATH 4990; 6 credit hours from the following: MATH 3331 or MATH 3354 or MATH 3362 or MATH 3381 or MATH 3392 or MATH 4306 or MATH 4362 or MATH 4371 or MATH 4373 or MATH 4385
BS	Mathematics: Pure Mathematics	45	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 2335; MATH 2341; MATH 2471; MATH 3311; MATH 3320; MATH 3331; MATH 3360; MATH 3362; MATH 4362; MATH 4371; 6 credit hours of MATH electives
BS	Physics	15	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 2471; MATH 3331
BS	Physics: Biological Physics	15	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 2471; MATH 2311 or MATH 4371
BS	Physics: Chemical Physics	15	MATH 1496 (prerequisite: MATH 1390 and MATH 1392 or MATH 1486); MATH 1497; MATH 2471; MATH 3331

BS	Physics: Mathematical Physics	27	MATH 1496 (<i>prerequisite: MATH 1390 and MATH 1392 or MATH 1486</i>); MATH 1497; MATH 2471; MATH 3331; MATH 4371; 9 credit hours of approved MATH electives
BS	Physics: Physical Science	12	MATH 1496 (<i>prerequisite: MATH 1390 and MATH 1392 or MATH 1486</i>); MATH 1497; MATH 2471
BS	Software Engineering	25	MATH 1390; MATH 1491 or MATH 1496 (<i>prerequisite: MATH 1390 and MATH 1392 or MATH 1486</i>); MATH 3311; MATH 3320; CSCI 2330; 9 credit hours of MATH/Science electives