

Undergraduate Programs in Alphabetical Order
Quantitative Reasoning (QR) Colonnade General Education Requirements (Math)

MAJOR Ref. #	Major Title	QR (MATH) Recommendation	DEGREE	DEPARTMENT/SCHOOL	COLLEGE	NOTES
602	Accounting	123	BS	Accounting	BU	MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610; MATH 116 equivalent is acceptable for transfer students.
727	Advertising	109 or higher	AB	Communication	AR	
205	Agricultural Technology & Management	115 or higher	AS	Agriculture & Food Science	SC	
508	Agriculture	115 or higher (See Note)	BS	Agriculture & Food Science	SC	Pre-Vet Medicine requires MATH 116 or higher
605	Agriculture (minor required)	115 or higher (See Note)	BS	Agriculture & Food Science	SC	Pre-Vet Medicine requires MATH 116 or higher
608	Anthropology	Any QR Course	AB	Folk Studies and Anthropology	AR	
609	Arabic	109	AB	Modern Languages	AR	
518	Architectural Science	117	BS	Engineering and Applied Sciences	SC	
613	Art History	109	AB	Art	AR	
615	Asian Religions and Cultures	109	AB	Philosophy & Religion	AR	
519	Biochemistry	136	BS	Biology and Chemistry (shared program)	SC	
525	Biology	116 & 117 or higher (see note)	BS	Biology	SC	Math 116 & 117 or Math 118 or higher
617	Biology (minor required)	116 & 117 or higher (see note)	BS	Biology	SC	Math 116 & 117 or Math 118 or higher
726	Broadcasting	109	AB	Journalism and Broadcasting	AR	
288	Business	109 or 116	AA	Professional Studies	ED	
504	Business Data Analytics	123	BS	Information Systems	BU	MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610; MATH 116 equivalent is acceptable for transfer students.
724	Business Economics	123	BS	Economics	BU	MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610; MATH 116 equivalent is acceptable for transfer students.

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623	Chemistry	136 or 137 (see note)	BS	Chemistry	SC	A "C" or higher is required. Students in the ACS approved concentration must take MATH 137.
624	Chinese	109	AB	Modern Languages	AR	
534	Civil Engineering	136	BS	Engineering and Applied Sciences	SC	A "C" or higher is required. Additional math courses are required (MATH 137, 237, 331).
595	Communication Disorders	183 (see note)	BS	Communication Sciences and Disorders	HH	A "C" or higher is recommended. Students who do not meet the prerequisite for MATH 183 are encouraged to take MATH 116.
792	Communication Studies	109 or higher	AB	Communication	AR	
555	Computer Information Technology	116	BS	Engineering and Applied Sciences	SC	
629	Computer Science	136	BS	Engineering and Applied Sciences	SC	A "C" or higher is required.
533	Construction Management	117 or higher	BS	Engineering and Applied Sciences	SC	
522	Corporate & Organizational Communication	109 or higher	AB	Communication	AR	
627	Criminology	109, 116, or 183	AB	Sociology & Criminology	AR	
630	Dance	109	AB	Theatre and Dance	AR	
226	Dental Hygiene	109, 115, 116, or 117	AS	Nursing & Allied Health	HH	
524	Dental Hygiene	109, 115, 116, or 117	BS	Nursing & Allied Health	HH	
631	Diversity and Community Studies	109 or 115 or 116 or 183	AB	Sociology & Criminology	AR	
638	Economics	123	AB	Economics	BU	MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610; MATH 116 equivalent is acceptable for transfer students.

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537	Electrical Engineering	136	BS	Engineering and Applied Sciences	SC	A "C" or higher is required. Additional math courses required (MATH 127, 237, 331).
527	Elementary Education	112 or 116 or 117 or 136 or 183	BS	Teacher Education	ED	A "C" or higher is required.
662	English	109	AB	English	AR	
561	English for Secondary Teachers	109	AB	English	AR	
542	Entrepreneurship	123	BS	Management	BU	MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610; MATH 116 equivalent is acceptable for transfer students.
548	Environmental Health Science	116 and 117	BS	Public Health	HH	A "C" or higher is required.
554	Exercise Sciences	116	BS	Kinesiology, Recreation, & Sport	HH	A "C" or higher is required.
184	Exploring (Arts and Letters)	109		College Advising	AR	
186	Exploring (Business)	123		College Advising	BU	MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610; MATH 116 equivalent is acceptable for transfer students.
188	Exploring (Education)	Varies		College Advising	ED	QR course is dependent on major. See your advisor.
177	Exploring (Health and Human Services)	116		College Advising	HH	A grade of "C" or higher is required for most majors in CHHS.
189	Exploring (Science and Engineering)	116 or higher		College Advising	SC	QR course is dependent on major. See your advisor.
563	Family and Consumer Science Education	109	BS	Applied Human Sciences	HH	
667	Film	109	AB	Journalism and Broadcasting	AR	
664	Finance	123	BS	Finance	BU	MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610; MATH 116 equivalent is acceptable for transfer students.
576	Geographic Information Science	118 or 116 & 117; and 183	BS	Geography and Geology	SC	

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675	Geography/Environmental Studies	115 or 116 & 183 for all concentrations except Karst & Water Resources, which requires MATH 136.	BS	Geography and Geology	SC	
577	Geology	136	BS	Geography and Geology	SC	
559	Health Care Administration	109, 115, or higher	BS	Public Health	HH	
529	Health Information Management	109, 115, or higher	BS	Public Health	HH	
564	Health Sciences	Preparatory Health Science and Health Services Leadership: MATH 116 Allied Health Sciences: MATH 109, 115, or higher	BS	Public Health	HH	
695	History	109	AB	History	AR	
539	Honors Self-Designed Studies	Any QR course	BS	Contact the Mahurin Honors College.	AR	
566	Honors Self-Designed Studies	Any QR course	AB	Contact the Mahurin Honors College.	AR	
633	Honors Self-Designed Studies (minor)	Any QR course	AB	Contact the Mahurin Honors College.	AR	
634	Honors Self-Designed Studies (minor required)	Any QR course	BS	Contact the Mahurin Honors College.	AR	
707	Hospitality Management and Dietetics	109, 116, or 183 (see note)	BS	Applied Human Sciences	HH	Nutrition & Dietetics concentration requires MATH 183.
526	Interdisciplinary Early Childhood Education	109	BS	Teacher Education	ED	
558	Interdisciplinary Studies	109 or 115 or 116 or 183	BIS	Professional Studies	ED	
246	Interdisciplinary Studies	109 or 115 or 116 or 183	AIS	Professional Studies	ED	

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531	Interior Design and Fashion Merchandising	109	BS	Applied Human Sciences	HH	
702	International Affairs	109, 116, or 183	AB	Political Science	AR	
569	International Business	123	BS	Management	BU	MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610; MATH 116 equivalent is acceptable for transfer students.
736	Journalism	109	AB	Journalism and Broadcasting	AR	
723	Management	123	BS	Management	BU	MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610; MATH 116 equivalent is acceptable for transfer students.
5006	Manufacturing Engineering Technology	117 or higher	BS	Engineering and Applied Sciences	SC	
720	Marketing	123	BS	Marketing	BU	MATH 123 or any calculus class or a Math ACT of at least 26 or a Math SAT of at least 610; MATH 116 equivalent is acceptable for transfer students.
731	Mathematical Economics	136	BS	Economics and Mathematics (shared program)		A grade of "C" or higher is required.
528	Mathematics	136	AB	Mathematics	SC	A grade of "C" or higher is required.
728	Mathematics (minor required)	136	AB	Mathematics	SC	A grade of "C" or higher is required.
543	Mechanical Engineering	136	BS	Engineering and Applied Sciences	SC	A grade of "C" or higher is required. Additional math courses required (MATH 137, 237, 331).
5004	Medical Laboratory Science	116 & 117 or 118	BS	Biology	SC	
578	Meteorology	136	BS	Geography and Geology	SC	Major requires additional math courses.
730	Middle Grades Mathematics	136	BS	Mathematics	SC	A "C" or higher is required.
5001	Middle Level Education in Social Studies/Language Arts	109	BS	Teacher Education	ED	
734	Middle School Science	117, 136, 142	BS	Physics and Astronomy	SC	A "C" or higher is required for MATH 136.

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733	Military Leadership	109	BS	Military Science	ED	
738	Molecular Biotechnology	116 & 117 or MATH 136	BS	Biology	SC	
593	Music	109	BM	Music	AR	
583	Music (Liberal Arts)	109	AB	Music	AR	
586	Nursing	115 or 116	BSN	Nursing & Allied Health	HH	
273	Nursing	Any QR	ASN	Nursing & Allied Health	HH	
545	Organizational Leadership	109 or 115 or 116 or 183	BS	Educational Administration, Leadership, and Research	ED	
276	Paralegal Studies	109 or 183 or 115 or	AA	Political Science	AR	
5002	Paralegal Studies	109 or 183 or 115 or 116	AB	Political Science	AR	
588	Performing Arts	109	BFA	Theatre and Dance	AR	
745	Philosophy	PHIL 215	AB	Philosophy & Religion	AR	
750	Photojournalism	109	AB	Journalism and Broadcasting	AR	
587	Physical Education	109 or 116	BS	Kinesiology, Recreation, & Sport	HH	
754	Physics	136 or higher	BS	Physics and Astronomy	SC	A "C" or higher is required in MATH 136/137. Additional math courses are required.
686	Political Science	109, 116, or 183	AB	Political Science	AR	
747 and 747E	Psychological Science	183	BS	Psychological Science	SC	MATH 183 (Recommended) or other math course (excluding MATH 109)
760	Psychology	183	AB	Psychological Science	ED	MATH 183 (Recommended) or other math course (excluding MATH 109)
521	Public Health	109, 115, or higher	BS	Public Health	HH	
763	Public Relations	109 or higher	AB	Communication	AR	
589	Recreation Administration	109 or 183	BS	Kinesiology, Recreation, & Sport	HH	
769	Religious Studies	109	AB	Philosophy & Religion	AR	
774	Science and Math Education	117 or 118	BS	Teacher Education	ED	
592	Social Studies	109	AB	History	AR	

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594	Social Work	183	BSW	Social Work	HH	
775	Sociology	109, 116, or 183	AB	Sociology & Criminology	AR	
778	Spanish	109	AB	Modern Languages	AR	
5003	Special Education and Elementary Education	112 or 116 or 117 or 136 or 183	BS	Teacher Education	ED	A "C" or higher is required.
572	Sport Management	109	BS	Kinesiology, Recreation, & Sport	HH	
798	Theatre	109	AB	Theatre and Dance	AR	
514	Visual Arts	109	BFA	Art	AR	
509	Visual Studies	109	AB	Art	AR	
739	Workforce Administration	109 or 115 or 116 or 183	BS	Professional Studies	ED	
Degrees				Colleges:		
AA =	Associate of Arts			AR: Potter College of Arts & Letters		
AB =	Bachelor of Arts			BU: Gordon Ford College of Business		
AIS =	Associate of Interdisciplinary Studies			ED: College of Education and Behavioral Sciences		
AS =	Associate of Science			HH: College of Health and Human Services		
ASN =	Associate of Science in Nursing			SC: Ogden College of Science and Engineering and		
BFA =	Bachelor of Fine Arts					
BIS =	Bachelor of Interdisciplinary Studies					
BM =	Bachelor of Music					
BS =	Bachelor of Science					
BSN =	Bachelor of Science in Nursing					
BSW =	Bachelor of Social Work					