



MATHEMATICS
ASSOCIATE OF SCIENCE

	CREDIT HOURS
GENERAL EDUCATION REQUIREMENTS	
COMMUNICATION	9
ENGL 1010: English Composition I	3
ENGL 1020: English Composition II	3
COMM 2025: Fundamentals of Communication or any approved speech/communication general education course	3
HUMANITIES & FINE ARTS (minimum 1 course in literature)	9
Any approved humanities or fine arts general education course	3
Any approved humanities or fine arts general education course	3
(literature) Any approved humanities literature general education course	3
SOCIAL/BEHAVIORAL SCIENCES*	6
Any approved Social/Behavioral Sciences general education course*	3
Any approved Social/Behavioral Sciences general education course*	3
HISTORY*****	6
Any approved History general education course*****	3
Any approved History general education course*****	3
NATURAL SCIENCES**	8
Any approved Natural Sciences general education course sequence with lab**	4
Any approved Natural Sciences general education course sequence with lab**	4
MATHEMATICS	4
MATH 1910: Calculus I	4
GENERAL EDUCATION TOTAL	42
AREA OF EMPHASIS REQUIREMENTS (Major)	
MATH 1920: Calculus II	4
MATH 2110: Calculus III	4
MATH 2010: Introduction to Linear Algebra	3
MATH 2120: Differential Equations	3
Programming Language***	3
Elective (unspecified)	1
AREA OF EMPHASIS REQUIREMENTS & ELECTIVES TOTAL	18
DEGREE TOTAL	60

NOTES:

*NOTE: Students who wish to pursue a concentration in actuarial science available at the University of Tennessee, Chattanooga; Middle Tennessee State University; or Tennessee State University should complete Economics I & II to fulfill the requirement in social/behavioral sciences.

**NOTE: TSU requires Calculus-based Physics sequence; Industrial Track of the Professional Mathematics Concentration at MTSU requires Calculus-based Physics sequence; University of Memphis requires either Calculus-based Physics sequence or CHEM 1110/1120 sequence. TTU requires a two-semester science lab sequence but not including PHYS 2010/2020 as an option.



*** NOTE: A programming language course is not required at the University of Tennessee, Martin or at East Tennessee State University

****NOTE: Students who transfer to ETSU will be required to complete Argumentation and Debate (COMM 2055)

*****NOTE: Students transferring to UT Knoxville must complete a non-U.S. history sequence

NOTE: Students transferring to the following institutions must earn a C or better in all listed MATH courses: MTSU, TSU, TTU, U of Memphis, UT-Martin. C or better required in all MATH 2000 level courses at UT-Knoxville. A C grade or better is required in Programming class at U of Memphis.

NOTE: Students transferring to the University of Tennessee, Knoxville will also have to meet the foreign language requirement either prior to or when they attend UT. This can be met prior to attending UT, by completing 2000-level competency in a foreign language, by completing FREN 2020, GERM 2020 or SPAN 2020.

NOTE: For students who transfer to ETSU: "GPA of 3.0 in all major courses with no more than one course with grade below "C" (2.0), including any course that has been repeated."