



**MATHEMATICS**  
**ASSOCIATE OF SCIENCE**  
 Program Requirements

SEMESTER & COURSES	CREDIT HOURS	SEMESTER & COURSES	CREDIT HOURS
<i>Semester 1 (Fall)</i>		<i>Semester 2 (Spring)</i>	
ENGL 1010: English Composition I	3	ENGL 1020: English Composition II	3
MATH 1910: Calculus I	4	MATH 1920: Calculus II	4
Humanities/Fine Arts	3	Humanities/Fine Arts	3
History*****	3	History*****	3
		Programming Language course***	3 or 4
<b>Subtotal Semester 1</b>	<b>13</b>	<b>Subtotal Semester 2</b>	<b>16 - 17</b>
<i>Semester 3 (Fall)</i>		<i>Semester 4 (Spring)</i>	
Social/Behavioral Science*	3	Social/Behavioral Science*	3
Natural Science (Lab)**	4	Natural Science (Lab)**	4
		COMM 2025: Fundamentals of Communication or any approved speech/communication general education course	3
MATH 2120: Differential Equations	3	MATH 2010: Introduction to Linear Algebra	3
Humanities/Literature	3	Elective (unspecified)	0 or 1
MATH 2110: Calculus III	4		
<b>Subtotal Semester 3</b>	<b>17</b>	<b>Subtotal Semester 4</b>	<b>13 - 14</b>
		<b>Total Credit Hours</b>	<b>60+</b>

**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."