

MATHEMATICS TENNESSEE TRANSFER PATHWAY A.S.

University Parallel Major

Mathematics

Associate of Science Degree

GENERAL EDUCATION (42 credit hours)

COMMUNICATIONS (9 credit hours)

- ENGL 1010 - English Composition I
- ENGL 1020 - English Composition II
- SPCH 1010 - Fundamentals of Speech

HUMANITIES/ OR FINE ARTS (9 credit hours)

At least one course must be in Literature

THREE OF THE FOLLOWING:

- ARTA 1030 - Art Appreciation
- MUSA 1030 - Music Appreciation
- THEA 1030 - Introduction to Theatre
- ENGL 2130 - Survey of American Literature
- ENGL 2230 - Survey of British Literature
- ENGL 2310 - Survey of World Literature I
- ENGL 2320 - Survey of World Literature II
- ENGL 2330 - Survey of World Literature

SOCIAL/BEHAVIORAL SCIENCES (6 credit hours)

TWO OF THE FOLLOWING:

- ANTH 2010 - Introduction to Anthropology
- COMM 1010 - Introduction to Mass Communications
- ECON 2010 - Macroeconomics
- ECON 2020 - Microeconomics
- GEOG 1030 - Cultural Geography
- GEOG 2010 - World Regional Geography
- HPE 2340 - Wellness Perspectives and Lifestyles
- POLS 1030 - American Government
- POLS 2010 - State and Local Government
- PSYC 1030 - General Psychology
- SOCI 1010 - Introduction to Sociology
- SOCI 1020 - Social Problems
- SOCI 2010 - Marriage and Family

HISTORY (6 credit hours)

OPTION 1: (taken in any order)

- HIST 1010 - Survey of Western Civilization I
- HIST 1020 - Survey of Western Civilization II

OR

OPTION 2: (taken in any order)

- HIST 1110 - Survey of World Civilization I
- HIST 1120 - Survey of World Civilization II

OR

OPTION 3:

Two of the following: (taken in any order)

- HIST 2010 - Survey of American History I
- HIST 2020 - Survey of American History II
- HIST 2030 - Tennessee History

NATURAL SCIENCES (8 credit hours)

BIOL 1030 cannot be paired with BIOL 1110 or BIOL 1120 to meet the General Education science requirement. (Unless otherwise noted, a sequence is not required.)

TWO OF THE FOLLOWING:

- BIOL 1030 - Introduction to Biology
- BIOL 1110 - General Biology I
- BIOL 1120 - General Biology II
- BIOL 2010 - Human Anatomy and Physiology I
- BIOL 2020 - Human Anatomy and Physiology II
- CHEM 1110 - General Chemistry I
- CHEM 1120 - General Chemistry II
- GEOL 1030 - Survey of Geology
- PHYS 2010 - Non-Calculus Based Physics I
- PHYS 2020 - Non-Calculus Physics II
- PHYS 2110 - Calculus Based Physics I
- PHYS 2120 - Calculus Based Physics II
- PSCI 1030 - Introduction to Physical Science

MATHEMATICS (4 credit hours)

- MATH 1910 - Calculus I

AREA OF EMPHASIS REQUIREMENTS (18 credit hours)

- MATH 1920 - Calculus II
- MATH 2110 - Calculus III
- MATH 2010 - Elements of Linear Algebra
- MATH 2120 - Differential Equations
- General Electives 1 sem hrs cr

One of the following:

- CISP 1032 - C++ Programming
- CISP 1300 - Visual Basic Programming Language
- CISP 2660 - Java Programming

Semester Hours Credit: 60

Notes:

*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.