



SECONDARY EDUCATION - MATHEMATICS

ASSOCIATE OF SCIENCE IN TEACHING

GENERAL EDUCATION REQUIREMENTS	CREDIT HOURS
COMMUNICATION	9
ENGL 1010: English Composition I	3
ENGL 1020: English Composition II	3
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 Science general education course****	3
Any approved Social/Behavioral 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 sequence***	4
Any approved Natural Sciences general education sequence***	4
MATHEMATICS	3
MATH 1910: Calculus I	3
GENERAL EDUCATION TOTAL	42
AREA OF EMPHASIS REQUIREMENTS (Major)	
MATH 1920: Calculus II	4
MATH 2010: Introduction to Linear Algebra	3
MATH 2110: Calculus III	4
MATH 2120: Differential Equations	3
Introduction to Education/Teaching course**	3
Elective (unspecified)	1
AREA OF EMPHASIS REQUIREMENTS & ELECTIVES TOTAL	18
DEGREE TOTAL	60

NOTES:

*Students should confer with their advisor or a representative of the university to which they intend to transfer to determine the recommended history courses. Students who intend to transfer to UTK should take 6 credit hours of a non-U.S. History sequence to fulfill the History requirements. UTC requires that one of the History courses be a mpm-Western cultures course.

**Students who intend to transfer to MTSU's, ETSU's, or UTK's secondary education program should follow the Mathematics AA/AS TTP and not the AST TTP. ETSU and UTK recommend and MTSU requires that students take education courses after transfer.



***PHYS or CHEM are recommended. Students who intend to transfer to UTC should take either calculus-based or non-calculus-based Physics sequence. UTM requires an additional Chemistry sequence 1010/1020 and PHYS.

****UM requires two of the following three courses to satisfy the social behavioral science requirement: Survey of World Regions, Intro to Cultural Geography, or American Government; UM also requires intro to biology and lab in place of PHYS 1040.

Additional Degree Requirements

1. Students earning an AST degree must meet the following:

-Achievement of a 'C' or better in all Math courses listed

-ACT cumulative score of 21 (SAT 1020) or successful completion of approved standardized examination (Praxis Core) for admission to university College of Education. Note: MTSU and UTC require a 22 ACT score

-Attainment of a 2.75 cumulative grade point average. Successful completion of approved standardized examination for admission to university's College of Education

-Satisfactory ratings on an index of suitability for the teaching profession

2. Students transferring to a public university in Tennessee may need to meet additional requirements to gain admittance to the university.