



**A.S. DEGREE TO B.S. DEGREE**

**Purpose:** This curriculum is designed for students who plan to complete an Associate in Science Degree in Mathematics at Murray State College and then transfer to Southeastern Oklahoma State University to complete a Bachelor of Science in Mathematics Education Degree. The Associate in Science Degree fulfills the lower division University studies requirement.



**MATHEMATICS EDUCATION**

MSC-Associate in Science

**Freshman Year-Murray State College**

<b>Fall Semester</b>				<b>Spring Semester</b>	
ORI 1011	New Student Orientation	1	ENG 1213	English Composition II	3
ENG 1113	English Composition I	3	MTH 1613	Plane Trigonometry	3
MTH 1513	College Algebra	3	PE 1112	Personal Health	2
CIS 1113	Computer Applications	3	SPC 1113	Fundamentals of Speech	3
	Science w/Lab Elective	<u>4</u>		Science Elective	4
		14		Foreign Language (Teacher Ed Req)	<u>3</u>
					18

**Sophomore Year-Murray State College**

<b>Fall Semester</b>				<b>Spring Semester</b>	
HST 1483 or 1493	United States History	3	MTH 2315	Calculus II with Analytic Geometry	5
MTH 2215	Calculus I with Analytic Geometry	5	PHY 2115	Engineering Physics II	5
PHY 2015	Engineering Physics I	5	GVT 1113	American Federal Government	3
	CS 2113 or CS 2123	<u>3</u>		Humanities Elective	<u>3</u>
		16			16

SE-Bachelor of Science

**+Junior Year-Southeastern Oklahoma State University**

Apply for Admission to Teacher Education at the beginning of the fall semester.

<b>Fall Semester</b>				<b>Spring Semester</b>	
EDUC 2000	Pre-Student Experience I	--	EDUC 4443	Classroom & Behavior Management	3
EDUC 2013	Foundations of Education	3	MATH 4133	Linear Algebra	3
EDUC 3313	Tech Integ for Classroom	3	SPED 2123	Intro to Individuals with Exception	3
MATH 3283	Foundations of Math	3	PSY 3123	Child & Adolescent Development	3
MATH 2003	Technology for Mathematics	3	MATH 4982	Senior Seminar	2
	STAT 3363 or STAT 4353	3		MATH 4653 or 3323	<u>3</u>
	Upper-Division Math or Statistics*	<u>3</u>			17
		18		*Departmental approval required.	

**+Senior Year-Southeastern Oklahoma State University**

<b>Fall Semester</b>				<b>Spring Semester</b>	
EDUC 3002	Pre-Student Exper II	2	EDUC 4000	Pre-Student Exper III	--
EDUC 3434	Teaching Strategies/Progress Monitoring	4	MATH 4903	Methods & Media in Secondary Math	3
MATH 4113	Real Analysis	3	EDUC 4919	Teaching Experiences	<u>9</u>
MATH 4233	Abstract Algebra I	3			12
	MATH 4653 or 3323	<u>3</u>			
		15			

Total hours transferred from Murray State College: 64  
 Total hours needed to complete Bachelor of Science in Mathematics Education: 62

+For further information contact: Dr. Charles Matthews, Chair,  
 Department of Mathematics—cmatthews@se.edu (580)-745-2358