



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 Degree. The Associate in Science Degree fulfills the lower division University studies requirement.



MATHEMATICS

MSC-Associate in Science

Freshman Year-Murray State College

Fall Semester			Spring Semester		
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		Science Elective	4
	Science w/Lab Elective	<u>4</u>		Liberal Arts Elective	3
		14		Humanities Elective	<u>3</u>
					18

Sophomore Year-Murray State College

Fall Semester			Spring Semester		
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

Fall Semester			Spring Semester		
MATH 3283	Foundations of Math	3	MATH 4133	Linear Algebra	3
	STAT 3363 or STAT 4353	3		MATH 3113 or MATH 3213	3
	MATH 2003 or Comp Prog Course	3		Upper-Division Math or Statistics**	3
	Electives in Minor*	<u>6</u>		Electives in Minor*	<u>6</u>
		15			15

*Six hours of minor must be upper-division.

** Please consult advisor.

+Senior Year-Southeastern Oklahoma State University

Fall Semester			Spring Semester		
MATH 4233	Abstract Algebra I	3	MATH 4982	Senior Seminar	2
MATH 4113	Real Analysis	3		Upper-Division Math or Statistics**	3
	Upper-Division Elective	3		MATH 4333 or 4213 or STAT 4463	3
	Electives (In Minor if needed)	<u>6</u>		Upper-Division Elective	3
		15		Electives (In Minor if needed)	<u>6</u>
					17

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

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