

# Requirements for the Associate in Science Degree

## Mathematics Division of Science and Mathematics

Eastern Oklahoma State College

Student Name:	Date:
Academic Advisor:	
Minimum Total Hours .....	65
Minimum Grade Point Average.....	2.00

<b>General Education Requirements..... 41</b>		
<b>Orientation .....1</b>	Semester	Course Substitution
OLS 1111 Orientation		
<b>Behavioral and Social Sciences ..... 9</b>	Semester	Course Substitution
POLSC 1113 American Federal Government		
<i>Take <b>One</b> of the following courses:</i>		
HIST 1483 American History to 1877		
HIST 1493 American History since 1877		
<i>Take <b>One</b> of the following courses:</i>		
PSY 1113 Introduction to Psychology		
SOC 1113 Introduction to Sociology		
GEOG 2723 Regional World Geography		
ECON 2113 Introduction to Macroeconomics		
ECON 2123 Introduction to Microeconomics		
<b>Mathematics ..... 3</b>	Semester	Course Substitution
MATH 1513 College Algebra		
<b>Natural Sciences ..... 7-9</b>	Semester	Course Substitution
<i>Life Science: Take <b>One</b> of the following courses:</i>		
BIOL 1114 General Biology		
BOT 1114 General Botany		
BIOL 2103 Environmental Science I		
ZOO 1114 General Zoology		
<i>Physical Science: Take <b>One</b> of the following courses:</i>		
CHEM 1315 General College Chemistry I		
CHEM 1415 General College Chemistry II		
PHYSC 1114 Physical Science		
PHYSC 1124 Elementary Astronomy		
PHYSC 1214 Earth Science		
PHY 1114 General Physics I		

<b>Communications ..... 12</b>	Semester	Course Substitution
ENGL 1113 Freshman Composition I		
ENGL 1213 Freshman Composition II		
CIS 1113 Computer Applications		
<i>Take <b>One</b> of the following courses:</i>		
SPCH 1113 Fundamentals of Speech		
SPCH 2233 Business and Professional Speaking		
<b>Humanities ..... 6</b>	Semester	Course Substitution
<i>Take <b>One</b> of the following courses:</i> HUMAN 1133, HUMAN 1143, HUMAN 1153, HUMAN 1163, HUMAN 2103, HUMAN 2113, HUMAN 2213, HUMAN 2223, HUMAN 2233, HUMAN 2243, HUMAN 2513, HUMAN 2993		
<i><b>And Take One Additional Course</b> from the following courses or from the list above:</i> HIST 2413, HIST 2423, ENGL 2413, ENGL 2433, ENGL 2443, ENGL 2543, ENGL 2653, ENGL 2773, ENGL 2883, RELED 2103, RELED 2203		
<b>General Education Elective .....1-3</b> <i>**If needed to complete minimum General Education requirements.</i>	Semester	Course Substitution
<i>Select from the following courses:</i>		
HIST 1103 History of Oklahoma		
HIST 2723 History of the American Indian		
MCOMM 1113 Introduction to Mass Communications		
HPER 1113 Health Concepts		
HPER 2102 First Aid		
HPER 1102 School and Community Health		
Other PSY courses (PSY 1113 is pre-requisite)		
Other SOC courses (SOC 1113 is pre-requisite)		
Other MATH courses (MATH 1513 is pre-requisite)		
Any Foreign Language or American Sign Language course		

<b>Program Requirements ..... 24</b>		
<b>Core ..... 16</b>	Semester	Course Substitution
<i>Select from the following courses with advisor approval:</i>		
MATH 1613 Trigonometry		
MATH 2233 Elementary Statistics		
MATH 2235 Calculus I		
MATH 2245 Calculus II		
MATH 2253 Differential Equations		
MATH 2263 College Geometry		
MATH 2343 Calculus III		
<b>Supporting Electives ..... 8</b>	Semester	Course Substitution
<i>Select from the following with advisor approval:</i>		
CHEM 1315 General College Chemistry I		
CHEM 1415 General College Chemistry II		

PHY 1114 General Physics I		
PHY 1214 General Physics II		
PHY 2014 Engineering Physics I		
PHY 2114 Engineering Physics II		
<i>May select Computer Science electives with advisor approval</i>		