

NORTHEASTERN OKLAHOMA A&M COLLEGE

MATH OPTION - ENGINEERING - (PRE)

PROGRAM REQUIREMENTS	60	SUGGESTED COURSE SEQUENCE	PROGRAM OVERVIEW	
General Education Requirements	37	Credit Hours	This curriculum is designed to fulfill in part the course requirements for transfer to a Bachelor's program in Math. Students should consult the catalog of the college or university to which they plan to transfer and carefully select courses that will meet requirements for both the baccalaureate and associate degree programs. For more information contact the Mathematics and Sciences Department at (918) 540-6275 mathandscience@neo.edu.	
ENGL 1113 English Composition I.....	3	FIRST SEMESTER		16
*ENGL 1213 English Composition II.....	3	ENGL 1113 English Composition I.....		3
HIST1483 or 1493 American History.....	3	*MATH 1513 College Algebra.....		3
POLS 1113 American Government.....	3	HIST1483 or 1493 American History.....		3
Humanities (see catalog).....	6	FYE 1011 Freshman Year Experience		1
*Life Science	4	Computer Courses (approved by dept).....		3
*Physical Science.....	4	HUMANITIES.....		3
*MATH 1513 College Algebra.....	3			
Required Electives (see catalog).....	3	SECOND SEMESTER		17
General Education (to meet 37 hrs).....	2	*MATH 2145 Calculus I.....	5	
Computer Courses (approved by dept).....	3	*ENGL 1213 English Composition II.....	3	
PROGRAM REQUIREMENTS	22	POLS 1113 American Government.....	3	
CORE REQUIREMENTS (11 hrs)		#*MATH 1613 Trigonometry.....	3	
FYE 1011 Freshman Year Experience	1	PSYC 1113 General Psychology.....	3	
*MATH 2145 Calculus I.....	5			
*MATH 2155 Calculus II.....	5	THIRD SEMESTER	16	
Directed by Advisor (12 hrs)		*MATH 2155 Calculus II.....	5	
#*CHEM 1314 General Chemistry I.....		#*CHEM 1314 General Chemistry I.....	4	
*CHEM 1514 General Chemistry II.....		Humanities (see catalog).....	3	
#*MATH 1613 Trigonometry.....		*PHYS 1114 Principles of Physic I.....	4	
*MATH 2233 Differential Equations.....				
*MATH 2273 Calculus III.....		FOURTH SEMESTER	17	
*PHYS 1114 Principles of Physic I.....		*MATH 2233 Differential Equations.....	3	
*PHYS 1214 Principles of Physic II.....		*MATH 2273 Calculus III.....	3	
*PHYS 2015 Engineering Physics I.....		*PHYS 1214 Principles of Physic II.....	4	
*PHYS 2115 Engineering Physics II.....		SPCH2713 Intro to Speech Communication.....	3	
SPCH2713 Intro to Speech Communication.....		*CHEM 1514 General Chemistry II.....	4	
		The above list is a suggested course sequence only. Students may, with guidance from an academic advisor, make changes to the course sequence. Students should be aware that changes to the course sequence may require more than four semesters to complete their Associate Degree.	KEY * Prerequisite ~ Course may require admission specific program # Prerequisite or co-requisite ^Not offered every semester	
General College Preparatory Requirements				
NEO evaluates students for placement into their transitional or college-level courses, whichever will lead to the greatest possibility of student success. Academic placement is determined either by ACT test scores or by CPT test scores. These tests are administered in the Testing Centers at NEO College. Based upon these scores, some or all of the following courses may need to be taken prior to enrollment in the college level course. MATH 0013 Basic Math MATH 0113 Introductory Algebra MATH 0123 Intermediate Algebra MATH0125 Intermediate Algebra with Review ENGL 0123 Basic Composition CIED 0133 Improved Reading SCIENCE: A student may be required to complete MATH 0123 or higher and/or CIED 0133 before enrolling in a college-level science course.				