

NORTHEASTERN OKLAHOMA A&M COLLEGE

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 entry into a school of Engineering. 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	CS 1103 Computers in Society.....	3	
*Lab Science	9	FYE 1011 Freshman Year Experience	1	
*MATH 1513 College Algebra.....	3	DRFT 1223 CAD and Design I.....	3	
Required Electives (see catalog).....	3			
General Elective (to meet 37 hrs).....	1	SECOND SEMESTER	19	
Computer Courses (approved by dept).....	3	*MATH 2145 Calculus I.....	5	
		PHYS 2015 Engineering Physics I.....	5	
PROGRAM REQUIREMENTS	23	*ENGL 1213 English Composition II.....	3	
CORE REQUIREMENTS (11 hrs)		POLS 1113 American Government.....	3	
FYE 1011 Freshman Year Experience	1	*MATH 1613 Trigonometry.....	3	
*MATH 2145 Calculus I.....	5			
*MATH 2155 Calculus II.....	5	THIRD SEMESTER	17	
Directed by Advisor (12 hrs)		*MATH 2155 Calculus II.....	5	
*CHEM 1514 General Chemistry II.....		* PHYS 2115 Engineering Physics II.....	5	
DRFT 1012 Engineering Drawing.....		CHEM 1314 General Chemistry I	4	
DRFT 1013 Engineering Drawing.....		Humanities (see catalog).....	3	
DRFT 1223 CAD and Design I.....				
* ENGR 2113 Statisc.....		FOURTH SEMESTER	16	
ENGR 2123 Elementary Dynamics.....		*MATH 2273 Calculus III.....	3	
*MATH 1613 Trigonometry.....		*MATH 2233 Differential Equations.....	3	
*MATH 2233 Differential Equations.....		*CHEM 1514 General Chemistry II.....	4	
*MATH 2273 Calculus III.....		Humanities (see catalog).....	3	
* PHYS 2115 Engineering Physics II.....		General Elective	3	
		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.				