North Central State College
Curriculum Worksheet
College-NOW Engineering Technology
Class of 2025

Complete	Course Number	Course Title	Prerequisites	Credits
	FALL			**YEAR ONE**
	ELET 1510	DC Electricity	MATH 1110c	3
	ENGL 1010	English Composition I	ENGL0040 * or qualifying placement test scores	3
	ENGR 1010	Introduction to Engineering		2
	MATH 1110	College Algebra -or-	MATH 0084 * or qualifying placement test scores	4
	MATH 1150	Calculus I	MATH 1130 or qualifying placement test scores	5
	MECT 1150	Fund. of Engineering Design		2
			Semester Credit Hours	**14-15**

Complete	Course Number	Course Title	Prerequisites	Credits
	SPRING			
	ELET 1520	AC Electricity -or-	ELET 1510	3
	MECT 1750	Hydraulics		
	ENRD 2150	Computer Aided Design I		3
	MATH 1130	Trigonometry -or-	MATH 1110 (minimum grade of C-)	4
	MATH 1151	Calculus II	MATH 1150 (minimum grade of C-)	5
	ENGR 2010	Engineering Programming, Robotics, and PLC's	ENGR 1010	3
	POLT 1010	American Politics and Issues		3
	MECT 1910	Intro to Design Project	ENGR 1010	1
			Semester Credit Hours	**17-18**

Complete	Course Number	Course Title	Prerequisites	Credits
	FALL			**YEAR TWO**
	PHYS 1110	General Physics I -or-	MATH 1130c (minimum grade of C-)	
	PHYS 2010	College Physics I		4
	MATH 1150	Calculus I -or-	MATH 1130 (minimum grade of C-)	5
	MATH 2010	Calculus III	MATH 1151 (minimum grade of C-)	4
	MECT 2230	Engineering Materials		3
	MECT 2330	Statics -or-	MATH 1110, PHYS 1110c	
	MECT 2335	Engineering Statics	MATH 1150, PHYS 1110c or PHYS 2010c	3
	MECT 2905	Design Project I		1
			Semester Credit Hours	**15-16**

Complete	Course Number	Course Title	Prerequisites	Credits
	SPRING			
	PHYS 1130	General Physics II -or-	PHYS1110 (minimum grade of C-)	
	PHYS 2030	College Physics II	PHYS 2010 (minimum grade of C-)	4
	ENGL 1030	English Composition II	ENGL 1010 (minimum grade of C-)	3
	HIST 1070	Western Civilization		3
	ENGR 2850	Engineering Economics and Organization	MATH 1110	3
	MECT 2440	Strength of Materials -or-	MECT 2330	
	MECT 3010	Applied Dynamics	MECT 2335	3
	MECT 2910	Mechanical Design Project	MECT 2905	1
			Semester Credit Hours	**17**
			TOTAL SEMESTER HOURS	**64-65**

c = Can be concurrent   m = Must be concurrent