

NORTH CENTRAL STATE COLLEGE

Mechanical Engineering Technology 2019-2020

Preparatory Courses					
Complete	Course Number	Course Title			
	FYEX 0070*	College and Career Success			
	ENGL 0040*	Integrated Reading and Writing			
	MATH 0065; 0072; 0073; 0084; STAT 0086*	Developmental Math courses			
FALL				YEAR ONE	
Complete	Term	Course Number	Course Title	Prerequisites	Credits
		MATH 1110 ^	College Algebra	MATH 0084 *	4
		ENGL 1010 ^	English Composition I	ENGL 0040 *	3
		ENGR 1010	Introduction to Engineering		2
		MECT 1150	Fundamentals of Engineering Design		2
		MFGT 1110	Manufacturing Processes		3
		^ Milestone course		Semester Credit Hours	14

SPRING						YEAR ONE	
Complete	Term	Course Number	Course Title	Prerequisites	Credits		
		CHEM 1030	Chemistry	CHEM1010 or High School Chemistry	3		
		MATH 1130	Trigonometry	MATH 1110 (minimum grade of C-)	4		
		PHYS 1110	General Physics I	MATH 1110c (minimum grade of C-)	4		
		MECT 1750	Hydraulics and Pneumatics		3		
		ENRD 2150	Computer Aided Design I		3		
		MECT 1910	Introduction to Design Project	ENGR1010	1		
		^ Milestone course		Semester Credit Hours	18		

FALL						YEAR TWO	
Complete	Term	Course Number	Course Title	Prerequisites	Credits		
		ELET 1510	DC Electricity		3		
		PHYS 1130	General Physics II	PHYS 1110 (minimum grade of C-)	4		
		MECT 2330 ^	Statics	MATH 1130, PHYS 1110c	3		
		PHIL 1110	Ethics		3		
		MECT 2230	Engineering Materials		3		
		MECT 2905	Design Project I	MECT1750, MECT1910	1		
		^ Milestone course		Semester Credit Hours	17		

SPRING						YEAR TWO	
Complete	Term	Course Number	Course Title	Prerequisites	Credits		
		ENGL 1030 ^	English Composition II	ENGL 1010 (minimum grade of C-)	3		
		ENGR 2010	Engineering Programming, Robotics , and PLC	ENGR1010 or ENGR1910	3		
		SOCY 2010	Cultural Diversity and Racism		3		
		MECT 2910	Mechanical Design Project	MECT 1750, MECT 2440	1		
		MECT 2440	Strength of Materials	MECT 2330	3		
		ENGR 2850	Engineering Economics & Organization	MATH 1130	3		
		^ Milestone course		Semester Credit Hours	16		
					TOTAL SEMESTER HOURS	65	

c = Can be concurrent m = Must be concurrent

* All incoming students will be required to provide ACT scores or take a placement test. Based on their scores, students will be placed in appropriate English and mathematics courses. Successful completion of developmental English, and mathematics prerequisites require a grade of C- or above in the course. Developmental English and mathematics course prerequisites can also be attained through placement testing. See the [Standardized Testing Cutoff Scores](#) for specific tests and test scores.

The College strongly recommends that students be covered by hospitalization insurance, which can be purchased through a private carrier. To obtain a brochure regarding insurance, contact the Student Success Center. (Rm 103 Kee Hall) or call toll free 888-755-4899, ext. 4761 or locally 419-755-4761.