

# NORTH CENTRAL STATE COLLEGE

## Engineering Technology, Integrated Engineering Technology 2019-2020

Preparatory Courses					
Complete	Course Number	Course Title			
	<b>FYEX 0070*</b>	College and Career Success			
	<b>ENGL 0040*</b>	Integrated Reading and Writing			
	<b>MATH 0065; 0072; 0073; 0084; STAT 0086*</b>	Developmental Math courses			
FALL					YEAR ONE
Complete	Term	Course Number	Course Title	Prerequisites	Credits
		ELET 1510	DC Electricity	MATH 1110c	3
		ENGL 1010 ^	English Composition I	ENGL0040 *	3
		ENGR 1010	Introduction to Engineering		2
		MATH 1110 ^	College Algebra	MATH0084 *	4
		MECT 1150	Fundamentals of Engineering Design		2
		<u>^ Milestone course</u>			
<b>Semester Credit Hours</b>					<b>14</b>

SPRING					YEAR ONE
Complete	Term	Course Number	Course Title	Prerequisites	Credits
		ELET 1520	AC Electricity	ELET1510	3
		ENGL 1030 ^	English Composition II	ENGL1010 (minimum grade of C-)	3
		ENRD 2150	Computer Aided Design I		3
		MATH 1130	Trigonometry	MATH1110	4
		PHYS 1110	General Physics I	MATH1110	4
		<u>^ Milestone course</u>			
<b>Semester Credit Hours</b>					<b>17</b>

FALL					YEAR TWO
Complete	Term	Course Number	Course Title	Prerequisites	Credits
		ECON 1010	Intro to Economics		3
		ELET 1530	Digital Principles		4
		MECT 2230	Engineering Materials		3
		MECT 2330 ^	Statics	MATH1110, PHYS1110c	3
		PHYS 1130	General Physics II	PHYS1110 (minimum grade of C-)	4
		<u>^ Milestone course</u>			
<b>Semester Credit Hours</b>					<b>17</b>

SPRING					YEAR TWO
Complete	Term	Course Number	Course Title	Prerequisites	Credits
		CHEM 1030	Chemistry	CHEM 1010 or high school chemistry minimum grade of C-	3
		ELET 2240	PLCs		3
		ELET 2450	Electronics	ELET 1520	3
		HIST 1010 or HIST 1030	American History I OR American History II		3
		MECT 2440	Strength of Materials	MECT2330	3
		MECT 2910	Mechanical Design Project	MECT2440	1
		<u>^ Milestone course</u>			
<b>Semester Credit Hours</b>					<b>16</b>
<b>TOTAL SEMESTER HOURS</b>					<b>64</b>

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 reading, writing, 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.