Industrial Technology
McCoy School of Engineering
2022-2023

First Year

	Fall – 12 hours	Spring – 15 hours		Summer
	Intro to Engineering MENG 1101 (1) Pre-req: None	**Plane Trigonometry** MATH 1433 (3) Pre-req: MATH 1233		
	Engineering Graphics MENG 1132 (2) Pre-req: None	**ELECTIVE** (3)		
	College Algebra MATH 1233 (3) Pre-req: Appropriate Math Placement	**CORE** (3) Cultural and Global Understanding CMPS 1023		
	CORE (3) Government POLS 1333	**CORE** (3) Government POLS 1433		
	Academic Research & Writing ENGL 1143 (3) Pre-req: Appropriate TSI, ACT, or SAT test scores	**CORE Communications** (3) SPCH 1133 or SPCH 2433		

Second Year

	Fall – 14 hours	Spring – 13 hours		Summer
	CORE Science (4) Approved by university	**CORE** Science (4) Approved by university		**ELECTIVE (3)**
	Computer Science I CMPS 1044(4) Pre-req/co-req: MATH 1233 or MATH 1534	**Data Structures & ADTs** CMPS 1063 (3) Pre-req: CMPS 1044		**ELECTIVE (3)**
	CORE (3) American History HIST 1133	**CORE** (3) American History HIST 1233		
	CORE Creative Arts (3) Approved by university	**CORE** (3) Social Behavioral Science Approved by university		

Third Year

	Fall – 13 hours	Spring – 13 hours		Summer
	Physics (4) PHYS 1144 or PHYS 1624	**Physics** (4) PHYS 1244 or PHYS 2644		**TECH** (3) * pre-req: Sophomore
	Object Oriented Programming CMPS 2143 (3) Pre-req: CMPS 1063	**Discrete Structures/Analysis** CMPS 2433 (3) Pre-req: CMPS 1063		**TECH** (3) * pre-req: Sophomore
	TECH (3) * pre-req: Sophomore	**TECH** (3) * pre-req: Sophomore		
	TECH (3) * pre-req: Sophomore	**TECH** (3) * pre-req: Sophomore		

Fourth Year

	Fall – 13 hours	Spring – 13 hours		Summer
	CORE Language, Philosophy and Culture (3) Approved by university	**Probability & Statistics** STAT 3573 (3) Pre-req/co-req: MATH 1233 or MATH 1534		
	Adv Data Structures & Algorithms CMPS 3013 (3) Pre-req: CMPS 2433	**Adv Computer Science Elective** (3) Approved by department		
	TECH (3) * pre-req: Junior	**TECH** (3) * pre-req: Junior		
	TECH (3) * pre-req: Junior	**TECH** (3) * pre-req: Junior		
	CORE Undergraduate Inquiry & Creativity (3) Approved by university	**Capstone Project** TECH 4141 (1) Pre-req: Last semester		

* Two Technology classes are rotated starting the junior year. These classes will be offered based on a student's entry date in to the program.

Below are the paired Technology classes

TECH 3103 Safety Technology	TECH 3153 Project Planning	TECH 4123 Energy Technology
TECH 3113 Quality Technology	TECH 3163 Supply Chain Technology	TECH 4133 Construction Technology
TECH 3133 Manufacturing Technology	TECH 4103 Innovation	TECH 4141 Capstone Project
TECH 3143 Prod Planning & Control	TECH 4113 Facilities Design	