



OKLAHOMA CITY

ENGINEERING TECHNOLOGIES B.T.

Industrial Engineering Concentration

The following plan is for students matriculating in the **2026-2027** academic year.

This suggested sequencing plan is provided as a courtesy. The official degree requirements sheet is used to determine eligibility for graduation.

The sequence below is designed for completion within two years; not following the sequence may delay degree completion.

YEAR 1					FALL (14 hours)
	ENGT	1001	Introduction to Industry	1	Prerequisites: [R], [W]
	ENGT	1103	Intro Manufacturing Processes & Materials	3	Prerequisites: [R], [W], [M]
	ENGL	1113	English Composition I	3	Prerequisites: [R], [W]
	MATH	1513	Precalculus I	3	Prerequisite: [M]
	ENGT	1104	Fundamentals of Electricity	4	Corequisite: MATH 1513
					SPRING (13 hours)
	PHYS	1114	General Physics I	4	Prerequisites: [R], MATH 1513 or 1483
	CIS	1123	Programming Fundamentals	3	Prerequisite: [R]
	ENGT	1203	Intro to Additive Manufacturing	3	None
	SPCH	1113	Introduction to Speech Communication OR	3	Prerequisites: [R], [W]
	SPCH	2723	Interpersonal Communication		
					SUMMER (6 hours)
	ENGT	2303	Quality Methods in Engineering	3	Prerequisites: ENGT 1103, MATH 1513
	ENGT	2333	Programmable Logic Controllers	3	Prerequisite: CIS 1123
YEAR 2					FALL (14 hours)
	ENGL	1213	English Composition II OR	3	Prerequisite: ENGL 1113
	ENGL	2333	Intro to Report Writing		
	POLS	1113	American Government	3	Prerequisites: [R], [W]
	ENGT	2313	Hydraulics and Mechanical Systems	3	None
	ENGT	2322	Process Management	2	Prerequisite: ENGT 1103
			Approved Elective (*)	3	Prerequisite: varies
					SPRING (13 hours)
	ENGT	1234	Analog & Digital Systems	4	Prerequisites: ENGT 1104 or EET 1102
	HIST	1483	U.S. History to 1865 OR	3	Prerequisite: [R], [W]
	HIST	1493	U.S. History Since 1865		
			Approved Elective (*)	3	Prerequisites: varies
	ENGT	2403	Internship	3	Sophomore Status
YEAR 3					FALL (15 hours)
	GENT	1313	Introduction to Occupational Safety	3	None
	PHIL	1213	Introduction to Ethics OR	3	Prerequisite: [R], [W]
	PHIL	1313	Critical Thinking		
	ENGT	3603	Additive Manufacturing	3	ENGT 1203
	PSYC	1113	Introduction to Psychology	3	Prerequisite: [R], [W]
	STAT	2013	Elementary Statistics	3	[M]

SPRING (13 hours)					
	ENGT	3543	Advanced Programmable Logic Controllers	3	ENGT 2333
	ENGT	3574	Manufacturing Operations I	4	ENGT 1103, Pre/Coreq: MATH 2103
	MATH	2103	Business Calculus	3	MATH 1513
	SOC	3623	Cultural Diversity	3	Junior Standing
SUMMER (7 hours)					
	ENGT	3904	Industry Internship	4	Junior Standing
			College Level Science course	3	Prerequisites: varies
YEAR 4					
FALL (13 hours)					
	ENGT	4774	manufacturing Operations II	4	ENGT 3574
	ENGT	4703	Industrial Simulations and Modeling	3	ENGT 2303
	MGMT	2143	Organizational Leadership	3	Prerequisite: [R], [W]
	ENGT	4803	Lean Manufacturing and Six Sigma	3	ENGT 2322, STAT 2013
SPRING (13 hours)					
	ENGT	3674	Human Factors and Ergonomics	4	ENGT 2323
	ENGT	4904	Capstone Design Project	4	Senior Standing
	ENGT	4812	Facilities Planning and Material Handling	2	ENGT 4703
	ENGT	4833	Industrial Economics and Cost Analysis	3	MATH 2103, STAT 2013
Submit graduation application with enrollment.					

(*) Approved Electives	
	ENGT, ITD, CIS, BUS, MATH, PHYS, CHEM 2000 level or above courses