

Bachelor of Science in Industrial Engineering
College of Engineering
University of Texas at Arlington
General Requirements 2007-2008 ■ Total Credit Hours = 128

Freshman

First Semester			Hours	Second Semester			Hours
CHEM	1441	Gen Chemistry I	4	CHEM	1442	General Chemistry II	4
ENGL	1301	Critical Thinking, Reading and Writing I	3	ENGL	1302	Critical Thinking, Reading and Writing II	3
IE	1104	Intro to Engineering	1	CSE	1311	Intro to Programming	3
IE	1105	Intro to IE Lab	1	MATH	2425	Calculus II	4
MATH	1426	Calculus I	4	PHYS	1443	Tech Physics I (w/ Lab)	4
DG	1350	Graphics for Engineers*	3				
			16	Total Credit Hours			18

Sophomore

First Semester			Hours	Second Semester			Hours
HIST	1311	U.S. History to 1865	3	HIST	1312	U.S. History since 1865	3
IE	3312	Economics for Engineers	3	IE	3301	Engineering Probability	3
MATH	2326	Calculus III	3	IE	3315	Operations Research	3
PHYS	1444	Technical Physics II	4	MATH	3319	Differential Equation & Linear Algebra	3
POLS	2311	U.S. Government	3	POLS	2312	State & Local Government	3
Total Credit Hours			16	Total Credit Hours			15

Junior

First Semester			Hours	Second Semester			Hours
Total Credit Hours			15	Total Credit Hours			18
IE	3314	Engineering Research Methods	3	IE	4302	Engineering Administration and Organization	3
IE	3343	Metrics and Measurements	3	IE	4322	Enterprise Simulation	3
IE	4303	Production and Inventory Control	3	IE	4344	Human Factors Engineering	3
IE	4315	Operations Research II	3	COMS	3302	Professional & Technical Communication	3
		Fine Arts Elective ■	3			English Literature Elective ■	3
						Technical Elective §	3
Total Credit Hours			15	Total Credit Hours			18

Senior

First Semester			Hours	Second Semester			Hours
IE	4308	Quality Systems	3	IE	4318	Enterprise Design	3
IE	4325	Automation & Robotics	3	IE	4345	Knowledge & Technology Management	3
IE	4339	Product Dev., Producibility & Reliability Design	3	IE	4350	Industrial Engineering Capstone Design	3
IE	4343	Facilities Planning & Design	3			Technical Elective §	3
		Technical Elective §	3			Cultural Elective ■	3
Total Credit Hours			15	Total Credit Hours			15

Students who do not have two units of a single foreign language in high school will be required to take two courses of a single foreign language in addition to the previously listed curriculum requirements.

* Can substitute CE1350 for DG 1350.

§ To be chosen from the approved list of technical electives available in the IE office, 420 WH.

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This document serves as a supplement to the UTA Undergraduate 2007-08 Catalog, the on-line version of which is the official source of university information.

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