

Industrial Technology Suggested Course Pattern
2009 - 2010 Academic Year
Curriculum Check Sheet
 (Revised 05-15-2009)

2009 – 2010

First Year

Fall Semester

Eng 101	College Reading & Writing	(3)	_____
Hist 121	US History to 1877	(3)	_____
IT 111	Computer-Aided Design	(3)	_____
Math 141	College Algebra *	(3)	_____
Phys 111	College Physics I **	(4)	_____

Semester Total 16

Spring Semester

Eng 102	Written Argument & Research	(3)	_____
Hist 122	US History from 1865	(3)	_____
IT 112	Product Design & Development	(3)	_____
Math 142	Pre-Calculus *	(3)	_____
Phys 112	College Physics II **	(4)	_____

Semester Total 16

Second Year

Fall Semester

IT 202	Industrial Safety Management	(3)	_____
IT 225	Industrial Materials & Processes	(3)	_____
IT 228	Materials Science & Testing	(3)	_____
IT 231	Electronic Principles	(3)	_____
PSci 211	Principles of US Government	(3)	_____

Semester Total 15

Spring Semester

Eco 231	Principles of Macroeconomics***	(3)	_____
PSci 221	US & Tx Gov. Inst. & Policies	(3)	_____
Spc 111	Fundamentals of Speech ****	(3)	_____
IT 232	Electronic Circuits & Devices	(3)	_____
Electives	US PE Activities	(2)	_____

Semester Total 14

Third Year

Fall Semester

IT 303	Industrial Communications	(3)	_____
IT 325	Machine Production Technology	(3)	_____
IT 340	Quality Mgmt & Improvement	(3)	_____
Elective	Free Elective	(3)	_____
Elective	US Visual/Performing Arts	(3)	_____

Semester Total 15

Spring Semester

IT 311	Computer-Aided Ind. Design	(3)	_____
Elective	Free Elective	(3)	_____
Elective	Free Elective	(3)	_____
Elective	Free Elective	(3)	_____
Elective	US Humanities	(3)	_____

Semester Total 15

Fourth Year

Fall Semester

IE 431	Principles of Prog. Automation	(3)	_____
IT 404	Risk Management in Industry	(3)	_____
Elective	IT, ConS, IE Elective	(3)	_____
Elective	IT, ConS, IE Elective	(3)	_____
Elective	IT, ConS, IE Elective	(3)	_____

Semester Total 15

Spring Semester

Elective	Free Elective	(3)	_____
IT 496	Engineering Project Management	(3)	_____
IT 408	Enterprise Analysis & Trends	(3)	_____
Elective	IT, ConS, IE Elective	(3)	_____
IT 471	Industrial Internship	(3)	_____

Semester Total 15

Program Total: 121 semester hours

Alternate Course Options:

* *Math 141 or Math 175 Mathematics for Business Applications*
Math 142 or Math 176 Mathematics for Business Applications II

*** *ECO 231 – Principles of Microeconomics or*
ECO 232 – Principles of Microeconomics

** *PHYS 111 or CHEM 111 General & Quantitative Chem. I*
PHYS 112 or CHEM 112 General & Quantitative Chem. II

**** *SPC 111 – Fundamentals of Speech or*
SPC 245 – Business & Professional Speaking

IT/ConS/IE Courses are Preferred for Free Electives