

COLLEGE OF TECHNOLOGY

IT / IT-BS 201220 (Industrial Technology)

Begin FALL 2011
Bachelor of Science Degree
124 Credit Hours

Purdue University
College of Technology
West Lafayette, Indiana 47907

Name _____
PUID _____
Date _____

SEMESTER 1	CR	GR	SEM	SEMESTER 2	CR	GR	SEM
IT 104 Industrial Organization Prereq: None	3	___	___	IT 214 Intro to Lean Manufacturing # Prereq: None	3	___	___
TECH 120 Tech & Individual Prereq: None	3	___	___	CGT 110 Technical Graphics Comm # Prereq: None	3	___	___
ENGL 106 English Composition Prereq: None	4	___	___	COM 114 Fund of Speech Communications Prereq: None	3	___	___
MA 159 Pre-Calculus Prereq: None OR	5	___	___	MET 143 Materials & Processes I # Prereq: None	3	___	___
MA 153 Algebra & Trig I	3	___	___	PSY 120 Elementary Psychology Prereq: None	3	___	___
MA 154 Algebra & Trig II	3	___	___				
CREDIT HOURS	15	___		CREDIT HOURS	15	___	
SEMESTER 3	CR	GR	SEM	SEMESTER 4	CR	GR	SEM
IT 230 Industrial Supply Chain Mgmt Prereq: None	3	___	___	AGEC 217 or ECON 210 Principles of Econ Prereq: None	3	___	___
CNIT 175 Intro Structured Program # Prereq: MA 153	3	___	___	ECET (214) 224 Electricity Fundamentals # Prereq: MA 159 or equivalent	3	___	___
AT 263 Fluid Power Systems (F) # Prereq: MA 153 & 154 or 159	3	___	___	PHYS 218 General Physics # Prereq: MA 159 or equivalent	4	___	___
MET 144 Materials & Processes II # Prereq: None	3	___	___	MET 245 Manufacturing Systems # Prereq: MA 159/MET 143 or 144/CGT 110	3	___	___
SCIENCE SELECTIVE	3	___	___	FREE ELECTIVE	3	___	___
CREDIT HOURS	15	___		CREDIT HOURS	16	___	

Lab Required

Science Selective

Any of the following: BIOL, CHM, EAPS, PHYS. Note: No FNR or ENTM courses are acceptable

SEMESTER 5				SEMESTER 6					
CR	GR	SEM		CR	GR	SEM			
IT 342	Statistical Quality Control	3	___	___	IT 345	Auto ID & Data Capture #	3	___	___
	Prereq: MA 159 <u>or</u> equivalent					Prereq: Junior <u>or</u> consent of instructor			
IT 351	Advanced Industrial Safety & Health Management	3	___	___	IT 385	Industrial Ergonomics (S) #	3	___	___
	Prereq: None					Prereq: MA 159 & junior in IT <u>or</u> consent of instructor			
MFET 300	App of Automat in Mfg #	3	___	___	STAT 301	Elem Statistical Methods	3	___	___
	Prereq: ECET 214 and MET 242 <u>or</u> 245					Prereq: MA 159 <u>or</u> equivalent			
TECH 320	Tech & Organization	3	___	___	TECH 330	Tech & Global Society	3	___	___
	Prereq: TECH 120					Prereq: TECH 120			
SCIENCE SELECTIVE		3	___	___	FREE ELECTIVE		3	___	___
FREE ELECTIVE		3	___	___					
CREDIT HOURS				18	___		CREDIT HOURS		
SEMESTER 7				CR	GR	SEM	SEMESTER 8		
IT 381	Total Productive Maint (F)	3	___	___	IT 483	Facilities Design for Lean Mfg. #	3	___	___
	Prereq: IT 114/214 and PHYS 218 and IT 342 <u>or</u> STAT 301					Prereq: IT 442 & MET 242 <u>or</u> 245			
IT 442	Production Planning (F) #	3	___	___	ADV COM/ENGL SELECTIVE		3	___	___
	Prereq: IT 114 /214 and MET 245 <u>or</u> consent of instructor					Prereq: COM 114 <u>or</u> First-year Comp			
IT 446	Six Sigma Quality #	3	___	___	TECHNICAL ELECTIVE		3	___	___
	Prereq: IT 342 <u>or</u> STAT 301				FREE ELECTIVE		3	___	___
IT 450	Production Cost Analysis	3	___	___	FREE ELECTIVE		3	___	___
	Prereq: MA 159 <u>or</u> equivalent & junior or senior				FREE ELECTIVE		3	___	___
ADV COM/ENGL SELECTIVE		3	___	___					
	Prereq: COM 114 <u>or</u> First-year Composition								
CREDIT HOURS				15	___		CREDIT HOURS		
							15		

Technical Elective

2/3/14

Any non-required College of Technology or Engineering (ENGR) course.

Advanced COM or ENGL selective

COM 314, 315, 318, 320, 324, 325, 415 or ENGL 304, 306, 420, 421

CODE: (F) = Fall only (S) = Spring only # = Lab Required

TOTAL HOURS _____ /124

RESPONSIBILITY FOR COMPLETING GRADUATION REQUIREMENTS IS SOLELY THAT OF THE STUDENT