

# Curriculum Sheet for Bachelor of Science in Industrial Technology



## Process Technology

TOTAL HOURS	35		GENERAL EDUCATION	HOURS	PREREQUISITE	SEMESTER
English: 6 hrs.	EN	1103	English Composition I (EN 1104 may substitute)	3		Fall & Spring
	EN	1113	English Composition II (EN 1173 may substitute)	3		Fall & Spring
FA: 3 hrs.	XX	XXXX	Any Approved Fine Arts Elective (See List)	3		Fall & Spring
Math: 9 hrs.	MA	1313	College Algebra (or higher)	3		Fall & Spring
	MA	1613	Calculus for Business and Life Sciences (or higher)	3	MA 1313	Fall & Spring
	MA	2113	Introduction to Statistics (May substitute ST/BQA 2113)	3	MA 1313	Fall & Spring
Natural Science: 8 hrs.	CH	1043	Survey of Chemistry I (or higher)	3		Fall & Spring
	CH	1051	Experimental Chem (Lab for CH 1043) (or higher)	1		Fall & Spring
	PH	1013	Physical Sci Survey 1 (or higher)	3	MA 1313	Fall & Spring
	PH	1011	Physical Science Lab 1 (Lab for PH 1013) (or higher)	1	MA 1313	Fall & Spring
Extra Sci 3 hrs.	XX	XXXX	Choose From: CH 1213, 1223, PH 1023, 1113, 2213, 2223	3		Fall & Spring
Humanities: 6 hrs.	XX	XXXX	Any Two Approved Humanities Elective (See List)	3		Fall & Spring
Soc Sci: 6 hrs.	XX	XXXX	Any Two Approved Social Science / Behavioral Elective (See List)	3		Fall & Spring
TOTAL HOURS	43		MAJOR CORE COURSES	HOURS	PREREQUISITE	SEMESTER
Introductory Skills: 18 hrs.	INDT	1003	Technical Drafting and Print Reading	3		Fall & Spring
	INDT	1813	Basic Industrial Electricity and Electronics	3	MA 1313	Fall & Spring
	INDT	2113	Introduction to PLC Programming	3		Fall & Spring
	INDT	2123	Introduction to CNC Programming	3	INDT 1003 & MA 1313	Fall & Spring
	INDT	3223	Industrial Materials	3	CH 1043 OR HIGHER	Spring
	INDT	3813	Technical Writing and Presentation for Industry	3		Fall
Management Skills: 9 hrs.	INDT	3063	Industrial Human Relations	3		Spring
	INDT	3373	Forecast and Cost Modeling	3	JUNIOR STANDING	Spring
	ACC	2013	Principles of Financial Accounting	3	For final management course, choose one course from any of these options.	Fall & Spring
	BL	2413	Legal Environment of Business			
	MGT	3823	Responsible Leadership			
MGT	3000+	Any MGT 3000+ Level course w/approval from advisor				
General Knowledge: 13 hrs.	INDT	3043	Industrial Safety	3		Fall & Spring
	INDT	3243	Industrial Metrology	3	JUNIOR STANDING	Spring
	INDT	3363	Motion and Time Study	3	JUNIOR STANDING	Spring
	INDT	4224	Quality Assurance	4	INDT 3373	Fall
Seminars: 3 hrs.	INDT	1001	Introduction to Industrial Technology	1		Fall & Spring
	INDT	3101	Junior Seminar	1	JUNIOR STANDING	Fall
	INDT	4801	Senior Seminar	1	INDT 3101 & SENIOR	Fall & Spring
TOTAL HOURS	39		PTEC CONCENTRATION CORE COURSES	HOURS	NOTES	SEMESTER
Required Conc Core: 24 hrs	INDT	1133	Intro to Process Technology	3		Spring
	INDT	2323	Welding Technology	3		Fall & Spring
	INDT	2353	Industrial Computer Aided Drafting and Design	3	INDT 1003	Fall
	INDT	2613	Industrial Fluid Power	3		Fall & Spring
	INDT	3133	Process Equipment and Instrumentation	3	INDT 1133	Fall
	INDT	3233	Process Systems and Operations	3	INDT 1133	Spring
	INDT	3333	Process Quality and Troubleshooting	3	INDT 1133	Fall
	INDT	4233	Maintenance Management	3	JUNIOR STANDING	Fall
Conc Electives: Choose 9 hrs from this list	INDT	2343	Parametric Modeling for 3D Design	9	INDT 1003	Spring
	INDT	2533	Oil and Gas Production		INDT 1133	Fall
	INDT	3103	Advanced Electricity and Electronics		INDT 1813	Fall & Spring
	INDT	3323	Welding Technology II		INDT 2323	Spring
	INDT	4103	Industrial Control Systems		INDT 3103	Fall
	INDT	4303	Industrial Robotics		INDT 4103	Spring
Additional Electives:	INDT	XXXX	Choose any two 3000+ Level INDT course	6		Fall & Spring



# INDUSTRIAL TECHNOLOGY

## PROCESS TECHNOLOGY Sample Degree Flow Chart

