

# INDUSTRIAL TECHNOLOGY

## Manufacturing and Maintenance Concentration

Concentration	Subject	Course	Course Description	Prerequisite	Face to Face:	Online:
GenEd	EN	1103	English Composition I	ACT 17 / EN 0103		
GenEd	EN	1113	English Composition II	EN 1103 / 1163		
GenEd	FA	xxxx	Fine Arts Elective			
GenEd	CH	1043	Survey of Chemistry I			
GenEd	CH	1051	Experimental Chemistry	with CH 1043		
GenEd	PH	1013	Physical Science Survey I	MA 0103 / 1313		
GenEd	PH	1011	Physical Science Survey I Lab	with PH 1013		
GenEd	PH	1023	Physical Science Survey II			
GenEd	MA	1323	Trigonometry	ACT 24 / MA 1313		
GenEd	MA	1613	Calculus for Business and Life Sciences I	ACT 24 / MA 1313		
GenEd	BQA	2113	Business Statistical Methods I	MA 1613 / 1713		
GenEd	HUM	xxxx	Humanities Elective			
GenEd	SOC	xxxx	Social/Behavioral Sciences Elective			

Concentration	Subject	Course	Course Description	Prerequisite	Face to Face:	Online:
INDT-CORE	INDT	1203	Industrial Drafting & Print Reading		FALL / SPRING	EVERY FALL
INDT-CORE	INDT	1814	Basic Industrial Electrical and Electronics	MA 1323	FALL / SPRING	EVERY SPRING
INDT-CORE	INDT	2113	Introduction to PLC Program		FALL / SPRING	EVERY OTHER FALL
INDT-CORE	INDT	2123	Introduction to CNC Program	INDT 1203	FALL / SPRING	EVERY SPRING
INDT-CORE	INDT	2323	Welding Technology		FALL / SPRING	ALL
INDT-CORE	INDT	2613	Industrial Fluid Power	PH 1023+	FALL / SPRING	EVERY FALL
INDT-CORE	INDT	3044	Industrial Safety	JUNIOR	SPRING	EVERY FALL
INDT-CORE	INDT	3063	Industrial Human Relations	JUNIOR	SPRING	EVERY FALL
INDT-CORE	INDT	3104	Advanced Industrial Electricity, Electronics	INDT 1814	FALL / SPRING	EVERY FALL
INDT-CORE	INDT	3223	Industrial Materials Technology	CH 1043+	FALL	EVERY SPRING
INDT-CORE	INDT	3243	Industrial Metrology	INDT 2123	FALL	EVERY OTHER SPRING
INDT-CORE	INDT	3343	3D modeling for Manufacturing	INDT 2123	FALL	EVERY SPRING
INDT-CORE	INDT	3363	Motion and Time Study	JUNIOR	FALL / SPRING	EVERY OTHER SPRING
INDT-CORE	INDT	3373	Forecast and Cost Modeling	INDT 3363	FALL	EVERY OTHER SPRING
INDT-CORE	INDT	3683	CNC Machine Metal Processes	INDT 3343	FALL	EVERY SPRING
INDT-CORE	INDT	3813	Writing for Industry	JUNIOR	FALL	EVERY OTHER FALL
INDT-CORE	INDT	4213	Energy Sources and Power Technology	PHYSICS 3HR	FALL	EVERY OTHER FALL
INDT-CORE	INDT	4224	Quality Assurance	INDT 3373	FALL	EVERY OTHER FALL
INDT-CORE	INDT	4801	Senior Seminar	LAST SEM.	FALL / SPRING	ALL

Concentration	Subject	Course	Course Description	Prerequisite	Face to Face:	Online:
MFMA-CONC	ACC	2013	Principles of Financial Accounting			
MFMA-CONC	BL	2413	The Legal Environment of Business			
MFMA-CONC	INDT	4103	Industrial Control Systems	INDT 3104	FALL / SPRING	EVERY SPRING
MFMA-CONC	INDT	4233	Maintenance Management	JUNIOR	FALL	EVERY OTHER SPRING
MFMA-CONC	INDT	4263	Manufacturing Technology and Processing	JUNIOR	FALL	EVERY OTHER FALL
MFMA-CONC	INDT	4373	Lean Six Sigma	INDT 4224	SPRING	EVERY OTHER FALL
MFMA-CONC	INDT	4463	Manufacturing Technology and Processing II	INDT 4263	SPRING	EVERY OTHER FALL
MFMA-CONC	INDT	ELEC	Elective			
Choose your INDT elective(s) from:						
MFMA-ELEC	INDT	4203	Automated Systems	INDT 2113	FALL / SPRING	EVERY SPRING
MFMA-ELEC	INDT	4303	Industrial Robotics	INDT 4103	SPRING	EVERY OTHER FALL
MFMA-ELEC	INDT	4343	Computer Aided Drafting & Design	INDT 1203	SUMMER	EVERY OTHER FALL

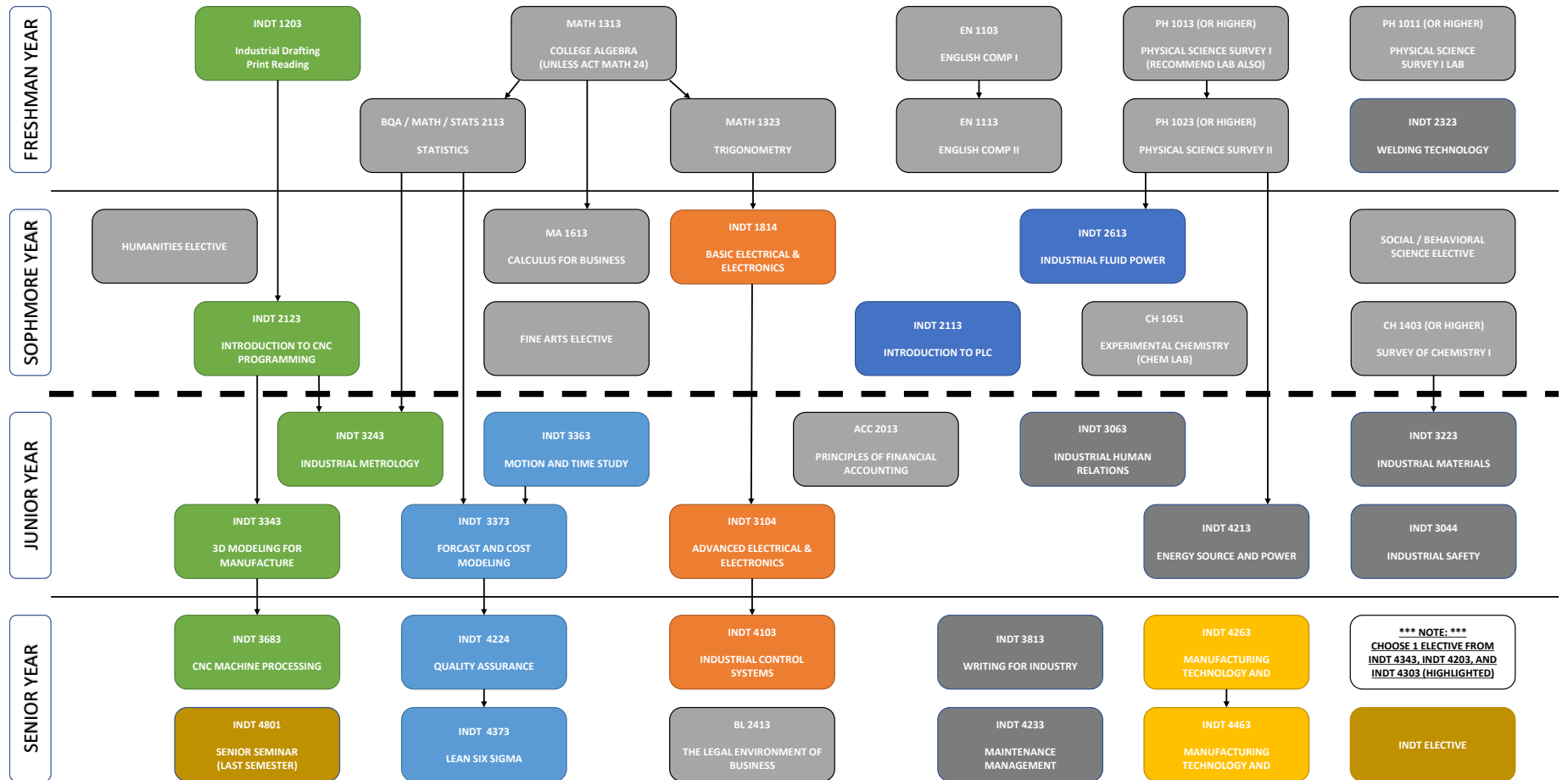
Not every course is available every semester, and many courses have prerequisites.

Also, many classes tend to fill up quickly due to limited availability of space and lab equipment. Because of this, it is crucial that you plan ahead when creating your schedule.

# INDUSTRIAL TECHNOLOGY DEGREE PROGRAM:

## MANUFACTURING AND MAINTENANCE CONCENTRATION

### EXAMPLE DEGREE PATH FLOW CHART



NOTE: This flow chart is an EXAMPLE, and may not be applicable to your specific case. Courses listed are not offered every semester, schedules change, and some courses fill up very fast. Care should be taken to plan accordingly. This is simply a sample flow chart showing one possible program layout.