

**CURRICULUM SUMMARY FOR**  
**BACHELOR OF SCIENCE DEGREE IN INDUSTRIAL TECHNOLOGY**  
**DESIGN TECHNOLOGY CONCENTRATION**  
**TOTAL CREDITS REQUIRED: 120**

<b>CORE CURRICULUM* (STANDARD)</b>	<b>TCCNS</b>	<b>MAJOR (DESIGN TECH)</b>	<b>OTHER REQUIREMENTS</b>	<b>MINOR OR CONCENTRATION (OPTIONAL)</b>
<b>42 credits</b>	<b>EQUIVALENT</b>	<b>33 credits</b>	<b>45 credits</b>	
<b><u>Communication:</u></b>				
ENG 131 (3)**	ENGL 1301	DRFT 131 (3)	ACCT 231 (3)^	
ENG 132 (3)	ENGL 1302	DRFT 133(3)	CONS 141 (3)	
<b><u>Mathematics:</u></b>		DRFT 134 (3)	CONS 333 (3)	
MATH 133 (3)	MATH 1314	DRFT 231 (3)	CIVT 232 (3)	
<b><u>Life and physical science:</u></b>		DRFT 232 (3)	ELET 131 (3)	
CHEM 131 or BIOL 143 (3)	CHEM 1311 or BIOL 1308	DRFT 233 (3)	ITEC 111 (1)	
PHYS 237 (3)	PHYS 1301	DRFT 331 (3)	ITEC 331 (3)	
<b><u>Language, philosophy, and culture:</u></b>		DRFT 333 (3)	ITEC 333 (3)	
ENG 2xx (3)***		DRFT 430 (3)	ITEC 412 (1)	
<b><u>Creative arts:</u></b>		DRFT 431 (3)	ITEC 439 (3)	
ART 131 (3)	ARTS 1316	DRFT 432 (3)	MATH 134 (3)	
<b><u>American history:</u></b>			<b>MATH 138 (3)</b>	
HIST 231 (3)	HIST 1301		MFG 231 (3)	
HIST 232 (3)	HIST 1302		MFG 333 (3)	
<b><u>Government/political science:</u></b>			PHYS 213 (1)	
POLS 235 (3)	GOVT 2305		ELECTIVES (6)****	
POLS 236 (3)	GOVT 2306			
<b><u>Social and behavioral sciences:</u></b>				
PSY (3)	PSYC 2301			
<b><u>Institutional Options:</u></b>				
SC 135 or 136 (3)	SPCH 1321 or SPCH 1315			
CS 116 (3)	COSC 1300			

\* Students should be advised by a major advisor prior to registering for any credit, particularly any core curriculum credit as listed.

\*\* (N) represents the number of course credits.

\*\*\* ENG 230, ENG 231, ENG 235, OR ENG 244 (TCCN: ENGL 2332, ENGL 2333, ENGL 2326, OR ENGL 2326)

^Math 138 - prerequisite for ACCT 231

\*\*\*\* ELECTIVES should be selected from the following courses: **DRFT 132, CONS 341**

Bachelor of Science Degree in Industrial Technology

**Design Technology Concentration**

Approved by the Association of Technology, Management, and Applied Engineering (ATMAE)

Degree Plan - Total Credits: 120

<i>First Year</i>	<i>First Semester</i>		<i>Second Semester</i>	
	ART 131 Drawing and Composition I	3	CONS 141 Materials and Applications	2
	CS 116 Introduction to Computer Science I	3	CONS 141L Materials and Applications Lab	1
	DRFT 131 Fundamentals of Drafting	1	<b>DRFT 134 Mechanical Drafting</b>	2
	<b>DRFT 131L Fundamentals of Drafting Lab</b>	2	<b>DRFT 134L Mechanical Drafting Lab</b>	1
	ENG 131* Freshman English I	3	ELET 131 DC Circuits Lec	3
	ITEC 111 Orientation	1	ENG 132 Freshman English II	3
	MATH 133* College Algebra	3	MATH 134 Trigonometry	3
	16 hrs		15 hrs	

<i>Second Year</i>	<i>Third Semester</i>		<i>Fourth Semester</i>	
	CHEM 131 General Chemistry I Lec	3	<b>DRFT 231 Pipe Drafting</b>	2
	<b>DRFT 133 Architectural Drafting</b>	1	<b>DRFT 231L Pipe Drafting Lab</b>	1
	<b>DRFT 133L Architectural Drafting Lab</b>	2	<b>DRFT 232 Architectural Design</b>	2
	ENG 2xx Upper level English	3	<b>DRFT 232L Architectural Design Lab</b>	1
	MFG 231 Manufacturing Processes	2	MATH 138 Math for Business & Econ Analysis II	3
	MFG 231L Manufacturing Processes Lab	1	PHYS 237 College Physics I Lec	3
	ACCT 231 Principles of Accounting	3	PHYS 213 College Physics I Lab	1
		SC 135 Business & Professional Communication	3	
	15 hrs		16 hrs	

<i>Third Year</i>	<i>Fifth Semester</i>		<i>Sixth Semester</i>	
	CIVT 232 Engineering Statics	3	PSY 131 Introduction to Psychology	3
	<b>DRFT 233 Basic Computer Drafting</b>	1	<b>DRFT 331 Piping System Design</b>	2
	<b>DRFT 233L Basic Computer Drafting Lab</b>	2	<b>DRFT 331L Piping System Design Lab</b>	1
	<b>DRFT 333L Machine Design Lab</b>	1	ITEC 331 Technical Writing	3
	<b>DRFT 333L Machine Design Lab</b>	2	MFG 333 Strength of Material	1
	ITEC 333 Supervision and Management	3	MFG 333 Strength of Material	2
	HIST 231 Social & Political History of the United States to 1877	3	HIST 232 Social & Political History of the United States since 1877	3
POLS 235 American Political Systems I	3	POLS 236 American Political Systems II	3	
	18 hrs		18 hrs	

<i>Fourth Year</i>	<i>Seventh Semester</i>		<i>Eighth Semester</i>	
	<b>DRFT 431 Structural Design</b>	2	<b>DRFT 430 Advance Computer-Aided Design</b>	2
	<b>DRFT 431L Structural Design Lab</b>	1	<b>DRFT 430L Advance CAD Design Lab</b>	1
	CONS 333 Quantity Surveying	2	<b>DRFT 432 Senior Design Project</b>	1
	CONS 333L Quantity Surveying Lab	1	<b>DRFT 432L Senior Design Project</b>	2
	ITEC 439 Industrial Safety	3	ITEC 412 Senior Seminar	1
	<b>ELECTIVE</b>	3	<b>ELECTIVE</b>	3
			<b>Comprehensive Exam</b>	0
	12 hrs		10 hrs	

\*Pending acceptable score on English and Mathematics Placement Examination.

Chair \_\_\_\_\_ Date \_\_\_\_\_

Dean \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_ T# \_\_\_\_\_

Address \_\_\_\_\_ Telephone # \_\_\_\_\_

Academic Advisor \_\_\_\_\_