

## Bachelor of Science in Industrial Mathematics Guidesheet

### GENERAL ED REQUIREMENTS

#### A. Human Culture, Physical/Nat World

Course	Grade	Credit
<b>Natural Sciences</b>		
PHYS 211		4
PHYS 212		4
<b>History of Civilization: HIST 101 or 102</b>		
		3
<b>Two Social/Behavioral Sciences* (2 areas)</b>		
		3
		3
<b>Foreign Language (2 sem of same language)</b>		
		3-4
		3-4
<b>Three Humanities Courses* (at least 2 areas)</b>		
		3
		3
		3
<b>B. Intellectual and Practical Skills</b>		
AFCI 101		1
ENGL 101**		3
ENGL 102**		3
COMM 201 or 241		3
<b>Mathematics**</b>		
MATH 141		4
MATH 142		4
MATH 174		3
<b>C. Personal and Social Responsibility</b>		
<b>Americal Political Institutions (API)</b>		
POLI 201, HIST 201 or 202		3
<b>Inter-Curricular Enrichment Program (ICE)</b>		
Two approved events in each semester of enrollment		
For more information, see ICE Program requirements		
<b>Three Writing Intensive Courses</b>		
(At least one in major) List:		
<b>One 3-Credit Non-Western World Studies Course*</b>		
List Course:		
<b>Satisfactory Completion of Writing Portfolio</b>		
Submitted after 60 hrs, before applying for graduation		
or ENGL 201		

### MAJOR REQUIREMENTS

#### CORE COURSES\*\*

Course	Grade	Credit
MATH 241		4
MATH 242		4
MATH 544		3
STAT 509		3
STAT 510		3
MATH 518		3
MATH 519		3
MATH 590		3
CSCI 145		4
CSCI 146		4
CSCI 562		3
<b>Engineering</b>		<b>12</b>
<b>ENCP/ELCT courses above 300</b>		
		3
		3
		3
		3
<b>Technical Electives***</b>		<b>11</b>
Natural Science (except PHYS 211, 212), computer science (above 200), mathematics (above 300), engineering (ENCP 102 and courses above 200), technical writing, or other approved by the department.		
<b>Electives</b>		<b>(8-10)</b>
<b>Total Hours</b>		<b>126</b>
*See next page for list of qualifying courses for listed categories and for information on ICE events.		
**Must earn a grade of C or better		
***Technical electives may include no more than nine credit hours of engineering technology courses offered by technical colleges and approved by the Department.		