

Bachelor of Science (BS)

This is a guide based on the 2023-2024 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

CURRICULUM CHECKLIST**88 Hours Required – No Minor Required****Required Courses:**

- ___ CH181/081/001 Basic Principles of Chemistry (5)
- ___ IM300 Technical Communication (3)
- ___ IM301 Industrial Safety (3)
- ___ IM311 Statistical Process Control (3)
- ___ IM410 Manufacturing Research in a Global Society (3)
- ___ IM419 Industrial Supervision (3)
- ___ IM506 Projects in IET (3)
- ___ MA116 Precalculus A (3)
- ___ MA117 Precalculus B (3)
- ___ MA139 Applied Calculus (3)
- ___ MN220 Engineering Economic Analysis (3)
- ___ MN260 Technical Computer Programming Applications (3)
- ___ PH120/020 Introductory Physics I (5)
- ___ SW207 Understanding Cultural & Social Diversity (3)

Industrial & Safety Management Option (42 hours):

- ___ ET160 Basic Electric Circuits (3)
- ___ ET304 Fundamentals of Programmable Logic Controllers (3)
- ___ EV453 Occupational Health (3)
- ___ EV454 Risk Assessment Appl (3)
- ___ EV455 Industrial Hygiene (3)
- ___ IM313 Facilities Planning (3)
- ___ IM411 Total Quality Assurance (3)
- ___ IM417 Manufacturing Resource Analysis (3)
- ___ MN120 Fundamentals of Engineering Design Processes (3)
- ___ MN170 Industrial Materials & Testing (3)
- ___ MN203 Industrial Materials & Process I (3)
- ___ MN304 Industrial Materials & Processes II (3)

Choose 6 hours from:

- ___ FM504 Facilities Management (3)
- ___ IM309 Science, Technology and Society (3)
- ___ IM317 Internship (3)
- ___ IM405 Innovation for a Lean Enterprise (3)
- ___ MN319 Statics & Strength of Materials (3)
- ___ MN324 Mechanical Design Processes (3)

General Education Requirements – some requirements may be fulfilled by coursework in major program:

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	1	IM301	3
	EN100	3	MA117	3
	CH181/081/001	5	MN170	3
	MA116	3	General Education	3
	MN120	3	General Education	3
	Total	15	Total	15
SECOND YEAR	ET160	3	MN260	3
	IM300	3	MN304	3
	MA139	3	General Education	3
	MN203	3	General Education	3
	PH120/020	5	General Education	3
	Total	17	Total	15
THIRD YEAR	ET304	3	IM419	3
	EV453	3	MN220	3
	IM311	3	SW207	3
	Major elective	3	General Education	3
	General Education	3	Elective	3
	Total	15	Total	15
FOURTH YEAR	EV454	3	EV455	3
	IM313	3	IM410	3
	IM411	3	IM417	3
	Elective	3	IM506	3
	Elective	1	Major elective	3
	Total	13	Total	15

*Many major courses are on a set rotation and thus dependent on when prerequisite courses are completed. The actual semester a course is taken may vary based on the rotation.

Degree requirements for all students: a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

A minimum 2.0 GPA in the major and overall are required to graduate with a BS degree.



Revised
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2023-2024 *degree map*



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