

**Bachelor of Science (BS)**

This is a guide based on the 2022-2023 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**

**94 Hours Required – No Minor Required**

**Required Courses:**

- \_\_\_ IM300 Technical Communication (3)
- \_\_\_ IM301 Industrial Safety (3)
- \_\_\_ IM311 Statistical Process Control (3)
- \_\_\_ IM419 Industrial Supervision (3)
- \_\_\_ IM506 Projects in IET (3)
- \_\_\_ MA116 Precalculus A (3)
- \_\_\_ MA117 Precalculus B (3)
- \_\_\_ MN220 Engineering Economic Analysis (3)
- \_\_\_ MN260 Technical Computer Programming Applications (3)
- \_\_\_ PH120/020 Introductory Physics I (5)
- \_\_\_ SW207 Understanding Cultural & Social Diversity (3)
- \_\_\_ UI410 Manufacturing Research in a Global Society (3)

**Choose 3-5 hours:**

- \_\_\_ MA139 Applied Calculus (3)
- \_\_\_ MA140 Analytic Geometry and Calculus I (5)

**Choose 5 hours:**

- \_\_\_ CH181/081/001 Basic Principles of Chemistry (5)
- \_\_\_ PH121/021 Introductory Physics II (5)

**TECHNOLOGY MANAGEMENT OPTION (48 hours)**

- \_\_\_ Lower level technical electives – Determined by consulting with an advisor (9)\*
- \_\_\_ Upper level technical electives - Determined by consulting with an advisor (21)\*

**Choose one of the following:**

- \_\_\_ Three years of related work or military experience and recognized national certification approved by the department
- \_\_\_ AAS or similar degree (non-regionally accredited degrees will be considered on a case-by-case basis). Candidates may need to provide documentation in the form of a portfolio for their degree or certification and experience to be considered by the department for credit. An interview may also be required. (18)
- \_\_\_ Any level technical electives – Determined by consulting with an advisor (18)\*

**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
<b>FIRST YEAR</b>	UI100	1	IM300	3
	EN100	3	IM301	3
	MA116	3	MA117	3
	Program Elective 1	3	MN260	3
	Program Elective 2	3	General Education	3
	<b>Total</b>	<b>13</b>	<b>Total</b>	<b>15</b>
<b>SECOND YEAR</b>	MA139 or MA140	3-5	CH181 or PH120	5
	PH120	5	SW207	3
	Program Elective 3	3	Program Elective 5	3
	Program Elective 4	3	Program Elective 6	3
	General Education	3	General Education	3
	<b>Total</b>	<b>15-17</b>	<b>Total</b>	<b>17</b>
<b>THIRD YEAR</b>	IM311	3	IM506	3
	IM419	3	MN220	3
	Program Elective 7	3	UI410	3
	Program Elective 8	3	Program Elective 9	3
	General Education	3	General Education	3
	<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
<b>FOURTH YEAR</b>	Program Elective 10	3	Program Elective 13	3
	Program Elective 11	3	Program Elective 14	3
	Program Elective 12	3	Program Elective 15	3
	General Education	3	Program Elective 16	3
	General Education	3	Elective	3
		<b>Total</b>	<b>15</b>	<b>Total</b>

\*NOTE: Technical elective courses are those with a CM, EG, EP, ET, EV, FM, GM, IM, MN, TG, or TN prefix and any exceptions approved by the department. Courses within the Technology Management Core CANNOT count toward these electives. No more than 24 hours are allowed in any one area. It is important to meet with an advisor to ensure prerequisites are met for planned upper-level courses.

\*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 2.00 GPA in the major and overall are required to graduate with a BS degree.

Revised 3/23/2022

2022-2023 *degree map*

