

**Bachelor of Science (BS)**

This is a guide based on the 2024-2025 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**

**91 Hours Required – No minor required**

**Required Courses:**

- \_\_\_ IM300 Technical Communication (3)
- \_\_\_ IM301 Industrial Safety Supervision (3)
- \_\_\_ IM309 Science, Technology, and Society (3)
- \_\_\_ IM311 Statistical Process Control (3)
- \_\_\_ IM317 Internship (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)
- \_\_\_ MI101 Introduction to Computer Applications (3)
- \_\_\_ MN220 Engineering Econ Analysis (3)
- \_\_\_ PH106/107 Physical Concepts/Lab (4)
- \_\_\_ SW207 Understand Cultural/Social Diversity (3)

**Choose 3-5 hours:**

- \_\_\_ CH181 Basic Principles of Chemistry (5)
- \_\_\_ GO110 Physical Geology (3)

**Computer Network Systems Administration Option (45 hours):**

- \_\_\_ ET160 Basic Electric Circuits (3)
- \_\_\_ ET245 Logic Circuits (3)
- \_\_\_ MN260 Technical Computer Programming (3)
- \_\_\_ TN255 Microcomputer Maintenance & Troubleshooting (3)
- \_\_\_ TN275 Introduction to Networks (3)
- \_\_\_ TN295 Firewalls (3)
- \_\_\_ TN375 Routing/Switching Essentials (3)
- \_\_\_ TN395 Server Maintenance & Troubleshooting (3)
- \_\_\_ TN425 Wireless Communication & Mobile Data Networks (3)
- \_\_\_ TN435 Network Security (3)
- \_\_\_ TN475 Scaling Networks (3)
- \_\_\_ TN485 Network Operations I (3)
- \_\_\_ TN495 Network Operations II (3)
- \_\_\_ TN565 Network Management (3)
- \_\_\_ TN566 IP Telephony (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
<b>FIRST YEAR</b>	UI100	1	ET160	3
	EN100	3	IM301	3
	MA116	3	IM309	3
	MI101	3	MA117	3
	TN255	3	TN275	3
	General Education	3		
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15</b>
<b>SECOND YEAR</b>	ET245	3	CH181/GO110	3-5
	MN260	3	MN220	3
	PH106/107	4	SW207	3
	TN295	3	TN395	3
	TN375	3	General Education	3
	<b>Total</b>	<b>16</b>	<b>Total</b>	<b>15-17</b>
<b>THIRD YEAR</b>	IM311	3	IM300	3
	TN425	3	TN435	3
	General Education	3	TN475	3
	General Education	3	General Education	3
	General Education	3	General Education	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>	
<b>FOURTH YEAR</b>	IM317	3	IM4140	3
	IM419	3	TN495	3
	IM506	3	TN565	3
	TN485	3	General Education	3
	TN566	3	General Education	3
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>	

*\*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  
4/2/2024

2024-2025 *degree map*

