Bachelor of Science (BS)

This is a guide based on the 2025-2026 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

89 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 hours:
___ CH181 Basic Principles of Chemistry (3)
___ 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 Virtual Infrastructure Management (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*
FIRST YEAR	UI100	1	ET160	3
	EN100	3	IM301	3
	MA116	3	IM309	3
	MI101	3	MA117	3
	TN255	3	TN275	3
	General Education	3		
	Total	**16**	**Total**	**15**
SECOND YEAR	ET245	3	CH181/GO110	3
	MN260	3	MN220	3
	PH106/107	4	SW207	3
	TN295	3	TN395	3
	TN375	3	General Education	3
	Total	**16**	**Total**	**15**
THIRD YEAR	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
	Total	**15**	**Total**	**15**
FOURTH YEAR	IM317	3	IM4140	3
	IM419	3	TN495	3
	IM506	3	TN565	3
	TN485	3	General Education	3
	TN566	3	General Education	3
	Total	**15**	**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.

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WORKFORCE INCENTIVE GRANT

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2025-2026 *degree map*