

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**91 Hours Required – No Minor Required****Required Courses:**

- ___ 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 Econ Analysis (3)
- ___ MN260 Technical Computer Programming Applications (3)
- ___ PH120/020 Introductory Physics I (5)
- ___ PH121/021 Introductory Physics II (5)
- ___ SW207 Understanding Cultural & Social Diversity (3)

Computer Network Systems Administration Option (45 hours):

- ___ ET160 Basic Electric Circuits (3)
- ___ ET245 Logic Circuits (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)

Choose 3 hours:

- ___ CY201 Introduction to Cybersecurity (3)
- ___ IM317 Cooperative Industrial Internship (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	MA117	3
	TN255	3	MN260	3
	General Education	3	TN275	3
	Total	13	Total	15
SECOND YEAR	ET245	3	IM300	3
	MA139	3	PH121	5
	PH120	5	SW207	3
	TN295	3	TN395	3
	TN375	3	General Education	3
	Total	17	Total	17
THIRD YEAR	IM311	3	MN220	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	CY201 or 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.



Revised
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2023-2024 *degree map*



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