# APPLIED TECHNOLOGY

## Associate of Applied Science (AAS)

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**

58-63 H	our Program
EN100	English Composition I (3)
IM300	Technical Communications (3)
	Industrial Safety Supervision (3)
	Statistical Process Control (3)
	Engineering Economic Analysis (3)
	U.S. Political Systems (3)
Choose 3 h	
	Fundamentals of Oral Communications (3)
	Online Oral Presentations (3)
Choose 3-5	
	Precalculus A with Integrated Review (5)
	Precalculus A (3)
Choose 3 h	
	Computer Methods of Const Managers (3)
	Computer Science (3)
	Technical Computer Programming (3)
	ience- Choose 8-10 hours of the following: **
	Chemistry in our World (3) Basic Principles of Chemistry (5)
	Physical Concepts (3)
PH120	Introductory Physics L5)
PH121	Introductory Physics Í 5) Introductory Physics II (5)
PH230	General Physics I (5)
	General Physics II (5)
	grams require the 5-hour lab classes. Please work with an advisor to
	hich are appropriate for you.
CHOOSE O	NE TRACK – 23-24 Hours
CUSTOMIZE	ED:
	al Elective Courses as Approved by the Advisor and Department (24)
CONSTRUC	
	Computer-Aided Architectural Drafting (3)
CM143	Construction Methods & Materials I (3)
CIVI226	Residential Architectural Drafting & Design (3)
CN243	Construction Methods and Materials II (3) Computer Methods of Construction Managers (3)
CM200	Construction Building Codes (3)
	Construction Cost Estimating (3)
	Construction Planning and Scheduling (3)
	AL CONTROLS:
	Basic Electrical Circuits (3)
ET164	
ET245	Logic Circuits (3)
ET304	Programmable Logic Controllers (3)
MA117	Precalculus B (3)
MA140	Analytic Geometry & Calculus I (5)
TN255	
	L SUPERVISION:
IM309	Science, Technology, and Society (3)
IM313	Facilities Planning (3)
IM411	Total Quality Assurance (3)
IM417	Manufacturing Resource Analysis (3)
IM419	Industrial Supervision (3)
MN120	
MN170	Industrial Materials & Testing (3)

### **MACHINING & MANUFACTURING:**

ET160	Pagia Flactrical Circuita (2)
ET160	Basic Electrical Circuits (3)
MA117	· /
MA140	
MN120	
MN170	
MN203	Industrial Materials & Processes I (3)
MN221	3 - 1 - 3 (-)
NETWORKIN	NG:
ET160	
ET245	Logic Circuits (3)
TN255	Microcomputer Maintenance & Troubleshooting (3)
TN275	Introduction to Networks (3)
TN295 TN375	Firewall Management (3)
TN375	Routing and Switching Essentials (3)
TN395	Server Maintenance & Troubleshooting (3)
TN435	Network Security (3)
UNMANNED	AIRCRAFT SYSTEMS
ET160	
ET245	Digital Systems (3)
ET380	
ET381	Fundamentals of Aviation in UAS (3)
ET382	UAS Fundamentals (3)
ET385	UAS Mission Planning & Applications (3)
MN120	
TN255	Microcomputer Maintenance & Troubleshooting (3)

#### SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
-	EN100	3	CM260/CS101/MN260	3
YEAR	MA115/116	3-5	IM301	3
\ K	Physical Science Lab	5	Physical Science	3-5
ST	Track Course 1	3	Track Course 2	3
FIRST			Track Course 3	3
	Total	14-16	Total	15-17
<b>L</b>	Total IM311	<b>14-16</b>	Total	<b>15-17</b>
~			1 2 1	
YEAR	IM311	3	IM300	3
YEAR	IM311 MN220	3	IM300 PS103	3
~	IM311 MN220 Track Course 4	3 3 3	IM300 PS103 SC105/SC107	3 3 3

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

Degree requirements for all students: a minimum of 60 credit hours. Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements (i.e., minimum GPA and course work) for your program of study.



2023-2024 *degree* map

MN203 Industrial Materials & Process I (3)