UNMANNED AIRCRAFT SYSTEMS

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

62-63 Hour Major – No minor required
Some courses may fulfill General Education requirements.
Required Courses:
___ ET160 Basic Electric Circuits (3)
___ ET380 Vision & Sensor Systems (3)
___ ET381 Fundamentals of Aviation in UAS (3)
___ ET382 UAS Fundamentals (3)
___ ET383 UAS Design (3)
___ ET384 UAS Law, Policy, & Safety (3)
___ ET385 UAS Mission Planning & Applications (3)
___ ET450 UAS Capstone Experience (3)
___ GO340 Remote Sensing (3)
___ GO418 Meteorology (4)
___ GT101 Introduction to GIS 1 (3)
___ GT102 Introduction to GIS 2 (3)
___ IM300 Technical Communication (3)
___ IM301 Industrial Safety Supervision (3)
___ IM506 Projects in Ind. And Eng. Technology (3)
___ MA116 Precalculus A (3)
___ MN220 Engineering Economic Systems (3)
___ TN255 Microcomputer Maintenance & Troubleshooting (3)
Choose 3 hours:
___ CS101 Introduction to Computer Programming (3)
___ MN260 Technical Computer Programming Applications (3)
Choose 4-5 hours:
___ PH106/107 Physical Concepts & Lab (3+1)
___ PH120/020 Introductory Physics I (5)

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	CS101/MN260	3-4
	EN100	3	ET160	3
	MA116	3	PH106/107 or PH120/020	4-5
	TN255	3	General Education	3
	General Education	3		
	Total	**15**	**Total**	**13-15**
SECOND YEAR	ET381	3	ET382	3
	GT101	3	GT102	3
	IM301	3	IM300	3
	MN319	3	General Education	3
	General Education	3	Elective	3
	Total	**15**	**Total**	**15**
THIRD YEAR	ET383	3	ET384	3
	GO340	3	GO418	3
	IM506	3	MN220	4
	General Education	3	General Education	3
	Elective	3	Elective	3
	Total	**15**	**Total**	**15**
FOURTH YEAR	ET380	3	ET385	3
	General Education	3	ET450	3
	General Education	3-4	General Education	3
	Elective	3	Elective	3
	Elective	3	Elective	3-5
	Total	**15-16**	**Total**	**15-17**

*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.

FASTTRACK WORKFORCE INCENTIVE GRANT

2024-2025 *degree map*

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