

B.S. in Uncrewed Aircraft Systems

Students should be aware that several courses in each academic year might have prerequisites and/or corequisites. Please check the course descriptions in this catalog before registering for classes to ensure requisite sequencing.

Year One

		Credits
UA 100	Remote Pilot Operations	2
AS 121	Private Pilot Operations	5
AS 220	Uncrewed Aircraft Systems	3
COM 122	English Composition	3
EGR 120	Graphical Communications	3
or EGR 115	Introduction to Computing for Engineers	
CS 118	Fundamentals of Computer Programming	3
or CYB 235	Computer and Network Technologies	
MA 111	Pre-Calculus for Aviation	3
MA 112	Applied Calculus for Aviation	3
	HU 14X Humanities Elective	3
COM 219	Speech	3
Credits Subtotal		31.0

Year Two

AS 222	Uncrewed Aircraft Systems Security	3
AS 241	UAS Systems Architecture and Integration	3
or AS 235	Uncrewed Aircraft Systems Operation and Cross-Country Data Entry	
AS 323	Crew Resource Management for UAS	3
AT 202	Introduction to Air Traffic Management	3
COM 221	Technical Report Writing	3
GEO 210	Introduction to Geographic Information Systems	3
GEO 310	Advanced Geographic Information Systems	3
PS 113	Introductory Physics I	3
PS 117	Introductory Physics II	3
PS 113L	Introductory Physics I Laboratory	1
or PS 117L	Introductory Physics II Lab	
PSY 101	Introduction to Psychology	3
Credits Subtotal		31.0

Year Three

AS 309	Aerodynamics	3
AS 315	UAS Robotics	3
AS 322	Operational and Industrial Aspects of UAS	3
or AS 319	UAS Law	
AS 368	UAS Sensing Systems	3
AS 390	Application of UAS Technology	3
AS 416	UAS Field Service and Sustainment	3
AS 437	Concepts in Advanced Air Mobility	3
HF 300	Human Factors I: Principles and Fundamentals	3
	HU/SS Lower or Upper-Level Elective	3
	Open Elective - Upper-Level	3
UA 201	Mapping Applications and Data Collection with UAS	1
Credits Subtotal		31.0

Year Four

AS 423	UAS Infrastructure Development and Modeling	3
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AS 473	Operational Applications in Uncrewed Aircraft Systems	3
	HU/SS Upper-Level Elective	3
	Open Elective - Upper-Level	3
	Open Elective	9
UA 301	Advanced UAS Flight Operations	1
UA 390	UAS Practicum I	3
UA 401	UAS Mission Application	1
UA 490	UAS Practicum II	3
Credits Subtotal		29.0
Credits Total:		122.0