

## OCCUPATIONAL CERTIFICATE (CERT) AWC ADVISEMENT CHECK SHEET

To help you decide upon which courses to include in both the major and elective blocks, you and your Academic Advisor should consult the university transfer guides for specific required and recommended courses; the university transfer guides can be found at [www.aztransfer.com](http://www.aztransfer.com).

Small Unmanned Aerial Systems						
Student Name	ID #	Advisor	Major Code: CERT.UAS Credits: 27			
<p>A certificate program to prepare students for careers in the field of Unmanned Aerial Systems (UAS). The operations of UAS have a variety of research and commercial uses, with rapid growth and continually evolving applications. A flexible curriculum has been carefully designed to permit either an in-depth or cross-disciplinary approach to the study of geospatial science and aviation, maximizing a student's ability to design his/her academic program beyond the core disciplinary requirements of a degree program. The UAS program emphasizes remote observation with aviation fundamentals and complete knowledge on aviation safety and FAA regulations.</p>						
Required Major Courses (12 Credits)			Cr	Gr	Sem	Notes
UAS 100	Introduction to UAS		3			
UAS 101	Aviation sUAS Pilot Ground School		3			
UAS 102	UAS Image Analysis and Visualization		3			
UAS 103	UAS Flight Operations and Planning		3			
Other Departmental Requirements (9 Credits)			Cr	Gr	Sem	Notes
MAT 142	College Mathematics with Applications <b>or</b> approved higher level math		3			
GPH 171	Introduction to Meteorology		4			
GST 108	Capstone Project		2			
Required Minor Courses - Select within one department below (6-8 Credits)			Cr	Gr	Sem	Notes
Sciences			Cr	Gr	Sem	Notes
AGS 110	Introduction to Food Safety		1			
AGS 240	Environmental Effects on Food Safety		3			
BIO 181	General Biology I		4			
BIO 182	General Biology II		4			
ENV 101	Environmental Science		3			
ENV 230	Foundations of Environmental Science: Human and the Environment		3			
GLG 101	Introduction to Geology		4			
GLG 110	Environmental Geology		4			
GST 101	Introduction to Geospatial Technology		3			
GST 102	Spatial Analysis and Modeling		3			
GST 105	Introduction to Remote Sensing		3			
OCN 110	Oceanography		4			
PLS 100	Plant Science		4			
PLS 120	Agricultural Entomology		3			
Public Safety			Cr	Gr	Sem	Notes
AJS 191	Terrorism and Counter Terrorism		3			
AJS 230	Police Function		3			
FSC 108	Occupational Safety and Health for Emergency Services		3			
FSC 151	Principles of Emergency Services		3			
HLS 101	Introduction to Homeland Security		3			
HLS 103	Introduction to Fire and Emergency Services		3			
HLS 215	Critical Incident Management for Public Safety		3			
Engineering, Technology & Math			Cr	Gr	Sem	Notes
CIS 154	Introduction to E-Commerce/E-Business		3			
CIS 171	Computer Forensics and Investigations		3			
CIS 175	Computer Security		3			
CSC 127A	Introduction to Computer Science 1		4			
CSC 210	Human Computer Interaction		4			Pre:CSC 127A or programming experience
DFT 100	AutoCAD I - Drafting		3			
DFT 101	AutoCAD II - Drafting		4			
EGR 150	Introduction to Environmental Engineering		3			Pre:Either MAT 187 or both MAT 151 and MAT 182
EGR 270	Catalog 2020-2021 Plane Surveying		3			Pre:Either MAT 187 or both MAT 151 and MAT 183

MAT 270	Applied Statistics	3			
<b>Media, Marketing &amp; Business</b>		<b>Cr</b>	<b>Gr</b>	<b>Sem</b>	<b>Notes</b>
BUA 220	Legal Environment of Business	3			
GRA 101	Graphic Communications I	3			
GRA 104	Digital Imaging I	4			
JRN 135	Introduction to Photojournalism	3			
JRN 235	Advanced Photojournalism	3			
MKT 110	Principles of Marketing	3			
MKT 230	Principles of Advertising	3			
TVP 125	Television Production 1	3			
TVP 225	Television Production 2	3			
QBA 211	Quantitative Analysis	3			