

Unmanned Aerial Systems (Drone Technology) Associate in Applied Science

Recommended Sequence Credits

First Semester (Fall)

- ENG 140 English Composition I **(1)** 3
 - MAT 104 Technical Math **(2A)** 3
 - UAS 101 Unmanned Aircraft Systems 3
 - UAS 111 Nat. Air. Sys./UAS Stand, Reg & Law 3
 - UAS 103 UAS Flight Simulation 3
- 15**

Second Semester (Spring)

- COM 107 Tech. Writ. & Com./Air Traf. Cont. **(1)** 3
 - UAS 104 Survey of Sect. Aeronautical Charts 3
 - UAS 105 Remote Pilot Operations 3
 - UAS 106 UAS Safety & Security 3
- 12**

Third Semester (Fall)

- UAS 108 UAS Maintenance & Repair 3
 - UAS 109 Crew Res. Mgmt. for UAS 3
 - UAS 110 Intro to DC & AC Circ. & Electr. 3
 - UAS 201 Aerodynamics **(2B)** 3
 - UAS 202 Analysis of Spatial Data & Photo. **(3B)** 3
 - UAS 207 Introduction to 3D Printing **(3B)** 3
- 18**

Fourth Semester (Spring)

- UAS 203 Surv. of Aviation Meteorology **(2B)** 3
 - UAS 204 Intro to Geo. Info. Systems 3
 - UAS 205 Embedded Comp. Systems OR
or UAS 208 Adv. UAS Sys., Op., & Perform. 3
 - UAS 209 UAS Remote Sensing & Analysis 3
 - UAS 210 UAS Capstone 3
- 15**

Total Credits for Degree 60

General Education Requirements for A.A.S. *(Unmanned Aerial Systems only)*

1. COMMUNICATION

Must complete 6 credits from the following:

- ENG-140 ENG-141 COM 107
- COM-143 or COM-105

2. MATHEMATICS – SCIENCE – TECHNOLOGY

Must complete 3 credits:

A. Mathematics (0-3 credits)

- MAT-104 MAT-110 MAT-111 MAT-131
- MAT-141 MAT-150 MAT-151

B. Science (0-4 credits)

- BIO-145 BIO-150 BIO-162
- BIO-163 BIO-165 BIO-170
- BIO-176 BIO-262 CHE-110
- CHE-164 UAS 201 UAS 203

C. Technology (0-4 credits)

- CSC-102 CSC-103 CSC-112

3. SOCIAL SCIENCE – HUMANITIES

Must complete a total of 3 credits in either A or B:

A. Social Science (0-3 credits)

- ANT 289 ECO-188 ECO-189 GEO-105
- POL -101 POL -115 POL-201 PSY-101
- PSY-175 SOC-103 SOC-202

B. Humanities (0-3 credits)

- ART-101 ART-105 ART-106 ART-107
- ENG-199 ENG-201 ENG-202 ENG-240
- ENG-241 ENG-242 FOR-101 FOR-103
- FOR-133 FOR-151 FOR-201 FOR-251
- HIS-101 HIS-102 HIS-113 HIS-114
- HIS-220 HIS-225 HIS-250 HIS-260
- MUS-191 MUS-211 PHI-101 PHI-102
- PHI -103 PHI-204 PHI-261 THE-193
- UAS 202 UAS 207



UNMANNED AERIAL SYSTEMS (DRONE TECHNOLOGY)

Associate in Applied Science

The Associate in Applied Science Unmanned Aerial Systems degree is primarily designed and intended to prepare students for a fast growing industry with many civilian applications, including agriculture, wetlands maintenance, brownfields remediation, monitoring environment and wildlife, search and rescue, border security, fire mapping, surveying structures after natural disasters, transportation & construction maintenance, real estate photography and police surveillance, motion pictures, news media video, among others.