Aeronautical Management Technology (Unmanned Aerial Systems), BS

Program Description

The unmanned aerial systems concentration of the BS program in aeronautical management technology prepares students for careers in the rapidly growing area of unmanned aerial systems, including operations, remote sensing, data collection and analysis.

The concentration incorporates all aviation management technology core courses and unmanned aerial systems concentration courses. This provides an overview of unmanned aerial systems operations followed by detailed knowledge of unmanned aerial systems-specific systems and technology (ground control stations; data links; flight planning and operations; search, detect and avoid technologies; and payloads) and unmanned aerial systems sensor operations. A critical aspect of this academic area of study is the data capture and transfer of the sensor information collected from the unmanned aerial vehicle.

This innovative concentration brings together the most up-to-date and relevant aspects facing multiple industries today by addressing flight system planning and operations and the employment of the systems in the congested National Airspace System.

ASU offers programs that lead to professional licensure with the state of Arizona and may allow graduates to be eligible for licensure in other states. Students should check the professional licensure list for the Ira A. Fulton Schools of Engineering to determine if this program meets requirements in their state: https://asuonline.asu.edu/about-us/licensure/. Students should note that not all programs within the Fulton Schools of Engineering lead to professional licensure.

At a Glance

- College/School: Ira A. Fulton Schools of Engineering
- Location: Polytechnic campus
• Additional Program Fee: Yes
• Second Language Requirement: No
• **First Required Math Course**: MAT 170 - Precalculus
• **Math Intensity**: Moderate

**Required Courses (Major Map)**

2021 - 2022 Major Map

[Major Map (Archives)]

**Accelerated Program Options**

This program allows students to obtain both a bachelor's and master's degree in as little as five years. It is offered as an [accelerated bachelor's and master's degree](#) with:

- Technology (Aviation Management and Human Factors), MSTech

Acceptance to the graduate program requires a separate application. During their junior year, eligible students are advised by their academic departments to apply.

**Admission Requirements**

**General University Admission Requirements:**
All students are required to meet general university admission requirements.

[Freshman] | [Transfer] | [International] | [Readmission]

**Change of Major Requirements**

A current ASU student has no additional requirements for changing majors.

Students should refer to [https://changemajor.apps.asu.edu](https://changemajor.apps.asu.edu) for information about how to change a major to this program.

**Transfer Options**

ASU is committed to helping students thrive by offering tools that allow personalization of the transfer path to ASU. Students may use [MyPath2ASU™](#) to outline a list of recommended courses to take prior to transfer.

ASU has transfer partnerships in Arizona and across the country to create a simplified transfer experience for students. These pathway programs include exclusive benefits, tools and resources, and help students save time and money in their college journey. Students may learn more about these programs by visiting the admission site: [https://admission.asu.edu/transfer/pathway-programs](https://admission.asu.edu/transfer/pathway-programs).
Global Opportunities

Global Experience
Use of unmanned aerial systems is happening all across the globe. Study abroad programs, offered by ASU in more than 65 countries, further global thinking for students in addition to increasing their communication and problem-solving skills to prepare them for a 21st century career. Students earn ASU credit for completed courses, while staying on track for graduation, and they may apply financial aid and scholarships toward program costs. https://goglobal.asu.edu/

Career Opportunities

Students graduating from this program are ready to find various employment opportunities as unmanned aerial vehicle pilots and sensor operators in both the U.S. and worldwide. This concentration prepares students to operate small to mid-range platforms that are used by emergency responders, forestry, agriculture, energy and oil, and other similar industries. Entry-level pay is competitive for this highly specialized field.

Career examples include but are not limited to those shown in the following list. Advanced degrees or certifications may be required for academic or clinical positions.

<table>
<thead>
<tr>
<th>Career</th>
<th>*Growth</th>
<th>*Median Salary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distribution Center Manager</td>
<td>3.5%</td>
<td>$96,390</td>
</tr>
<tr>
<td>Geospatial Intelligence Analyst</td>
<td></td>
<td>$107,210</td>
</tr>
<tr>
<td>IP/Mosaic Technician</td>
<td>4.7%</td>
<td>$52,460</td>
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</tbody>
</table>

* Data obtained from the Occupational Information Network (O*NET) under sponsorship of the U.S. Department of Labor/Employment and Training Administration (USDOL/ETA).

Bright Outlook 🌿 Green Occupation

Contact Information

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