Geographic Information Science, BS

Geographic information science is being used to solve some of the most pressing challenges facing our world. In this program, you'll learn skills that will allow you to understand the increasingly important concept of location --- the "where" dimension of issues facing our increasingly global society.

Program Description

Students in the geographic information science BS program begin their study by gaining strong foundational understanding of geographic information systems, statistical analysis, and computer programming. Students expand on this foundation through upper-division major coursework that enables the pursuit of deeper and more focused understanding of the application of geographic information science technologies to complex environmental and societal issues.

At a Glance

- **College/School:** The College of Liberal Arts and Sciences
- **Location:** Tempe campus or online
- **Additional Program Fee:** Yes
- **Second Language Requirement:** No
- **First Required Math Course:** MAT 117 - College Algebra
- **Math Intensity:** Moderate

Required Courses (Major Map)

2019 - 2020 Major Map (On-campus)
2019 - 2020 Major Map (Online)
Major Map (Archives)
Admission Requirements

General University Admission Requirements:

All students are required to meet general university admission requirements.

Freshman | Transfer | International | Readmission

Attend Online

ASU offers this program in an online format with multiple enrollment sessions throughout the year. Applicants may view the program description and request more information here.

Transfer Options

ASU is committed to helping you thrive by offering tools that allow you to personalize your transfer path to ASU. Students may use the Transfer Map search 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. Learn more about these programs by visiting the Admissions site.

Global Opportunities

PLuS Alliance

With over 250 programs in more than 65 countries (ranging from one week to one year), study abroad is possible for all ASU students wishing to gain global skills and knowledge in preparation for a 21st-century career. Students earn ASU credit for completed courses, while staying on track for graduation, and may apply financial aid and scholarships toward program costs. https://mystudyabroad.asu.edu/

Career Opportunities
Graduates in geographic information science pursue career opportunities in both the private and public sectors. Some of the career opportunities for graduates of the geographic information science BS program include:

- Cartographers and photogrammetrists
- Geographic information system technicians
- Geospatial information scientists and technologists
- Location analysts
- Mapping technicians
- Remote sensing scientists and technologists

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>Cartographer (Map Maker)</td>
<td>19.4%</td>
<td>$63,990</td>
</tr>
<tr>
<td>Computer Programmer</td>
<td></td>
<td>$82,240</td>
</tr>
<tr>
<td>Computer Scientist</td>
<td>19.2%</td>
<td>$114,520</td>
</tr>
<tr>
<td>Geographic Information Systems Analyst</td>
<td>6.7%</td>
<td>$76,860</td>
</tr>
<tr>
<td>Geographic Information Systems Technician</td>
<td>9.3%</td>
<td>$88,510</td>
</tr>
<tr>
<td>Geospatial Information Technologists</td>
<td>9.3%</td>
<td>$88,510</td>
</tr>
<tr>
<td>Geospatial Intelligence Analyst</td>
<td>7.2%</td>
<td>$103,990</td>
</tr>
<tr>
<td>IP/Mosaic Technician</td>
<td>9.7%</td>
<td>$48,090</td>
</tr>
<tr>
<td>Information Technology Manager (IT Manager)</td>
<td>12.0%</td>
<td>$139,220</td>
</tr>
</tbody>
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* 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

Schedule an advisor appointment
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