Computational Forensics, BS

ASCPFBS

Program Description

The BS in computational forensics is a multidisciplinary degree program that encompasses areas of physical, biological and social sciences, with an additional focus on statistics and computation.

Students investigate specific forensic problems using statistics, computing and mathematics, with the main goal of advancing their forensic science knowledge and capabilities. Students study and develop the quantitative and computational methods that assist basic and applied research efforts in forensic science, establish or prove scientific basis in investigative procedures, and support forensic examiner casework. Through modeling, computer simulations and computer-based analysis and recognition, students gain an in-depth understanding of the forensic science discipline, the scientific method and the systematic approach to forensic science.

At a Glance

- **College/School:** New College of Interdisciplinary Arts and Sciences
- **Location:** West campus
- **Additional Program Fee:** No
- **Second Language Requirement:** No
- **First Required Math Course:** MAT 270 - Calculus w/Analytic Geometry I
- **Math Intensity:** Substantial

Required Courses (Major Map)

2019 - 2020 Major Map
Major Map (Archives)

Admission Requirements
General University Admission Requirements:

All students are required to meet general university admission requirements.

Change of Major Requirements

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

Students should refer to https://changingmajors.asu.edu/request for information about how to change a major.

Transfer Options

ASU is committed to helping students thrive by offering tools that allow personalization of the 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. Students may learn more about these programs by visiting the admission site: https://admission.asu.edu/transfer/pathway-programs.

Global Opportunities

Global Experience

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 towards program costs. https://mystudyabroad.asu.edu

Career Opportunities
The demand for forensic scientists is increasing according to the U.S. Bureau of Labor Statistics. With computation and statistics driving many technological advances, this interdisciplinary degree prepares students for employment in a range of jobs or to continue on to advanced study of quantitative programs in graduate school.

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>Biostatistician</td>
<td>33.8%</td>
<td>$84,060</td>
</tr>
<tr>
<td>Computer Scientist</td>
<td>19.2%</td>
<td>$114,520</td>
</tr>
<tr>
<td>Crime Scene Investigator</td>
<td>16.8%</td>
<td>$57,850</td>
</tr>
<tr>
<td>Data Analyst</td>
<td>9.2%</td>
<td>$47,400</td>
</tr>
<tr>
<td>Information Technology Manager (IT Manager)</td>
<td>12.0%</td>
<td>$139,220</td>
</tr>
<tr>
<td>Mathematical Science Assistant</td>
<td>11.0%</td>
<td>not available</td>
</tr>
<tr>
<td>Mathematical Technician</td>
<td>7.8%</td>
<td>not available</td>
</tr>
<tr>
<td>Software Engineer</td>
<td>30.7%</td>
<td>$101,790</td>
</tr>
<tr>
<td>Statistician</td>
<td>33.8%</td>
<td>$84,060</td>
</tr>
</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

School of Mathematical and Natural Sciences | FAB 100
MNSadvising@asu.edu | 602-543-3000