INFORMATION SCIENCE MAJOR

The field of information science, particularly in the iSchool, is a field concerned with the intersections of information, people, and technology. Information science is an interdisciplinary field, drawing from other areas of study such as computer science, management, social science, education, and the humanities, but with a focus on individual and institutional users of information and their information needs. In our program students gain the knowledge and the skills for creating information systems, resources, and services that help address society's pressing needs in a variety of contexts and in a variety of private and public sector positions, ranging from financial services to healthcare; from information technology to consulting; and from education to cultural institutions.

Admission to the Major

Students who are accepted to the university and list Information Science (InfoSci) as their preferred major will start directly in our program. Students currently in the University who are interested in declaring Information Science must complete our Change of Major process. For more information please visit the InfoSci website (https://ischool.umd.edu/infosci-collegepark/) or email InfoSci@umd.edu.

Program Objectives

InfoSci students gain the knowledge and the skills for creating information systems, resources, and services that help address society's greatest needs. Through coursework, internships, extracurricular projects, and networking, InfoSci students build careers that will place them in leadership roles in information management, information technology, user-centered design, and data analytics.

Program Learning Outcomes

At the completion of this program, students will be able to:

1. Demonstrate an understanding of information design and management: the interrelationships among information consumers or creators, information content, and the conduits through which information flows.
2. Apply basic principles to the design, development and management of information to meet the needs of diverse users.
3. Assess the impact of existing or emerging technologies on information practices and the flow of information.
4. Employ state-of-the-art tools and techniques to create, manage, and analyze information.
5. Demonstrate an understanding of critical issues including the security, privacy, authenticity, and integrity of information.

Requirements

Students must earn a 'C-' or better in all major requirements and an overall average of 2.0.

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MATH115</td>
<td>Precalculus</td>
<td>3</td>
</tr>
<tr>
<td>PSYC100</td>
<td>Introduction to Psychology</td>
<td>3</td>
</tr>
<tr>
<td>STAT100</td>
<td>Elementary Statistics and Probability</td>
<td>3</td>
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Cybersecurity and Privacy Specialization

This specialization is based on the perspective that a comprehensive and effective understanding of issues surrounding cybersecurity should encompass both technological and human aspects. In the hyper-connected world of today, cybersecurity and privacy are fundamentally problems of human interaction with technology, rather than purely technical problems to solve. As a result, the science and technology deployed to protect and defend our information and critical infrastructure must consider human, social, organizational, economic and technical factors, as well as the complex interaction among them. This specialization helps students equip themselves with human-centered
cybersecurity skills and perspectives, and prepare to launch careers in the cybersecurity field with particular emphasis on management, policy, and governance-related functions.

**DIGITAL CURATION SPECIALIZATION**

This specialization prepares students for jobs where they collect, digitize, appraise, curate, and disseminate information assets effectively and efficiently. Information is at the heart of our society's ability to learn, conduct business, recreate, and manage complex scientific, technological, industrial, and information infrastructures. It is critical that there are qualified professionals with the technical, intellectual, and social awareness required to manage large and complex collections of digital information in a variety of organizational settings. Students finishing this specialization will play critical roles in preserving a vast and varied body of information for posterity.

**Four Year Plan**

Click here (http://infosci.umd.edu/sites/default/files/bsis_program_plan_0.pdf) for roadmaps for four-year plans in the College of Information Studies.

Additional information on developing a four-year academic plan can be found on the following pages:

- 4yearplans.umd.edu (http://4yearplans.umd.edu/)
- the Student Academic Success-Degree Completion Policy (https://academiccatalog.umd.edu/undergraduate/registration-academic-requirements-regulations/academic-advising/) section of this catalog