INFORMATION SCIENCE AT SHADY GROVE

The Universities at Shady Grove
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The University of Maryland College of Information Studies, also known as the UMD iSchool, is driven by the pursuit of big ideas and new discoveries that empower people and inspire communities. From labs to libraries, we are combining principles of information science with cutting edge technology to foster access to information, improve information interfaces, and expand how information is used in government, education, business, social media, and more.

Located just outside of Washington, D.C., the iSchool provides unmatched research, internship, and career opportunities with government agencies, nonprofits, and businesses that shape information science and policy.

The Major

The field of information science, particularly in an iSchool, is a field concerned with the intersections of information, people and technology. It 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. Information Science 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. Undergraduate courses offered by this college may be found under the acronym: INST.

Starting in Fall 2018, UMD iSchool offers the Bachelor of Science in Information Science (BSIS) program at the Universities at Shady Grove (USG) (https://www.shadygrove.umd.edu/) campus, as well as the College Park campus.

Qualified transfer students are admitted to the BSIS at Shady Grove program as a cohort group. Students complete their degree over four consecutive semesters as full-time students, taking five 3-credit courses per semester, and graduate with a Bachelor of Science in Information Science degree. The BSIS program at Shady Grove is a cohort program with a pre-set class schedule to ensure admitted students are able to complete their degree in four consecutive semesters.

The BSIS at Shady Grove program offers outstanding nationally recognized faculty, uniquely qualified for excelled learning classrooms, academic support, valuable financial resources, career advising, and various student engagement and leadership opportunities.

Admission Requirements

Please note that admission into the BSIS at Shady Grove program is during the fall semesters only.

To be considered for admission to the BSIS program at Shady Grove, applicants must complete the following admission requirements:

1. Minimum 2.5 cumulative GPA (preferred, but may vary based on the overall application pool)
2. Have successfully (with a grade ‘C-‘ or better) completed following BSIS benchmarks or their equivalents:
   - MATH 115 - Precalculus (or higher)
   - PSYC 100 - Intro to Psychology
   - STAT 100 - Elementary Statistics
   - INST 126 - Intro to Programming
3. Have completed 60 college-level credits:
   - Have completed a two-year Associate of Arts (A.A.) or Associate of Science (A.S.) degree in information science or other related field
   OR
   - Have completed all General Education requirements with the Exception of Professional Writing

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

With the aid of an academic advisor, the BSIS student devises a course plan to meet the graduation requirements: ten core courses, five major electives, professional writing, and four open electives, for a total of twenty courses (60 credits). At least 45 of the 60 credits must be information studies courses taken from the College of Information Studies.

The Bachelor of Science degree will be awarded to the student who successfully completes a program of 120 undergraduate hours, with a cumulative grade point average of 2.0 on a 4.0 scale for all courses taken for undergraduate credit since matriculation into the program. A student whose cumulative grade point average at any time in the program is lower than 2.0 is automatically placed on academic probation by the College until the problem leading to probationary status has been corrected. Students have one semester to raise their GPA over 2.0.
Upon completion of all degree requirements, students will earn a Bachelor of Science (B.S.) degree from the College of Information Studies at the University of Maryland College Park.

### Benchmark Courses

All BSIS at Shady Grove students need to have successfully completed (with a C- or better) all benchmark courses or their equivalents prior to taking program courses.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>MATH115</td>
<td>Precalculus (or higher)</td>
<td>3</td>
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<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>
</tr>
<tr>
<td>INST126</td>
<td>Introduction to Programming for Information Science</td>
<td>3</td>
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1 Other courses exist which fulfill this requirement. Please check with your advisor to make sure that a particular course fulfills this requirement before registering.

### BSIS Curriculum

This program requires the completion of twenty 3-credit courses. Students are expected to follow all course prerequisites, (https://ischool.umd.edu/sites/default/files/page_files/prerequisite_list_2017_03_13.docx.pdf) course sequences, and major requirements.

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<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>INST Core Courses</td>
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<td>30</td>
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<tr>
<td>INST301</td>
<td>Introduction to Information Science</td>
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</tr>
<tr>
<td>INST311</td>
<td>Information Organization</td>
<td></td>
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<tr>
<td>INST314</td>
<td>Statistics for Information Science</td>
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<tr>
<td>INST326</td>
<td>Object-Oriented Programming for Information Science</td>
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<td>INST327</td>
<td>Database Design and Modeling</td>
<td></td>
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<tr>
<td>INST335</td>
<td>Organizations, Management and Teamwork</td>
<td></td>
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<tr>
<td>INST346</td>
<td>Technologies, Infrastructure and Architecture</td>
<td></td>
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<tr>
<td>INST352</td>
<td>Information User Needs and Assessment</td>
<td></td>
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<td>INST362</td>
<td>User-Centered Design</td>
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<tr>
<td>INST490</td>
<td>Integrated Capstone for Information Science</td>
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### INST Elective Courses

Complete at least 15 credits of INST-coded major electives 15
Complete 12 credits of open electives 12

### Professional Writing

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<tr>
<th>Professional Writing</th>
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Total Credits 60

### Opportunities

#### Internships

Internships are not required but are strongly encouraged by the program. An internship is a real-world application of concepts and theories that students learn in the classroom. It involves students providing meaningful work in a career field that is directly related to their major and/or area of career interest. An internship is an excellent opportunity for a student to gain professional experience in the information science field, as well as build/expand their professional network. The program does not provide internship placements. However, students have access to six career/networking events throughout each academic year (at College Park and Shady Grove campuses), giving them an opportunity to meet potential employers from the field.

### Advising

All BSIS @ USG students are required to meet with an advisor prior to registration for each academic semester. Advising is available by appointment in the Biomedical Sciences and Engineering (BSE) Education Facility, room 4107.