



COLLEGE OF INFORMATION STUDIES

**University of Maryland
iSchool - College of Information Studies
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Key Features of the Information Science (InfoSci) Major

- Acquire knowledge in programming, coding, database design, and information architecture strategies that will allow you to create, deploy, and use information systems, resources, and services that are in high demand.
- Apply data and information analysis techniques, user needs assessment methods, and user experience design, so that you can analyze information and design solutions based on your findings.
- Engage in real-world project management experience and networking skills through internships and extracurricular activities.

Career Options with an InfoSci Major

Many new and emerging job roles and positions are available in the information professions. It is expected that the demand for individuals who can fill those roles and positions will not diminish any time soon, but indeed keep growing. iSchool graduates are prepared to integrate information and information technology in all types of organizations, including government, non-profits, educational and cultural institutions and the private sector.

The InfoSci degree will allow students to compete for a variety of positions and job functions. Listed below are some of the position streams that might be of interest to InfoSci graduates.

If you are looking for a job where you work with data to find novel information that can help with strategic decision making or help others analyze data, you can look for positions like:

- Data Analyst
- Data Scientist
- Data Steward
- Database Administrator

If you are looking for a job where you work with individuals and teams to understand their information needs and their expectations for information tools and applications, you can look for positions like:

- User Studies Specialist
- User Experience Designer
- User Interface Designer

If you are looking for a job where you work to gather, organize, disseminate information to members of an organization, so their information needs are addressed, you can look for positions like:

- Content Management Specialist
- Digital Curation Specialist

If you are looking for a job where you work on designing, developing or deploying an information system, or managing individuals and teams who do such work, you can look for positions like:

- Requirements Analyst
- Systems Architect
- Data Architect
- Project Manager

Advising

Advising is mandatory for all InfoSci students. Each semester prior to registration, students are required to meet with an advisor to review courses they have taken and identify courses they plan to take. This review will ensure students are progressing through the major successfully.

Declaring Information Science Major

InfoSci major is not a Limited Enrollment Program. If you decide to major in this field, you can declare immediately. Declaring the major is a two-step process. To change your major to InfoSci students must:

1. Attend an information session.

Students must attend an information session before changing the major. As a college we want to be sure students have all the information needed to make informed decisions about their educational goals and career options before changing their major.

2. Register for a change of major workshop.

The workshop is mandatory for students planning to change their major. Students will get an overview, learn the requirements for the program, and university rules regarding benchmarks. After the workshop, students will complete an academic plan and submit it to the advisor for review. Each workshop is limited to 10 students. Most information sessions are schedule right before the change of major workshop; so, students can complete the two steps in as a single, streamlined event.

FAQ

1. I am a current UMD undergraduate student, but not in the InfoSci major and would like more information?

Answer: Visit our website: <http://ischool.umd.edu/infosci> or send an email to infosci@umd.edu.

2. How can I explore Information Science major before declaring?

Answer: You can visit our website for basic information, and attend an Information Session to learn further about the InfoSci program.

3. Is a specialization required in this major?

Answer: No. Students have the option of choosing the Data Science specialization or selecting five major elective courses.

4. Are there any minors offered through this program?

Answer: No. There are no minors offered by the iSchool at this time.

5. Can I double major in Information Science (InfoSci) and another major?

Answer: Yes.

6. I completed some computer programming and/or math courses, will that credit count toward the Information Science major?

Answer: Please speak with an Information Science advisor to discuss those courses.

7. Are there computer programming courses I can take before declaring the major?

Answer: Yes. CMSC122 or CMSC106.

8. What are some career paths for graduates of the program?

Answer: See the **Career Options with an InfoSci Major** section above.

BACHELOR OF SCIENCE IN INFORMATION SCIENCE

Name _____

UID _____

*Benchmark courses are in bold

Year 1	Fall			Spring		
Benchmark I requirements: Following courses must be completed within the first 30 credits in the major: <ul style="list-style-type: none"> • MATH 115 or higher • PSYC 100 	Course	Credit	Grade	Course	Credit	Grade
	ENGL 101 (AW)	3		Oral Communication (OC)	3	
	MATH 115 (MA)	3		STAT 100 (AR)	3	
	PSYC 100 (HS or NS)	3		History/Social Science (HS)*	3	
	INST 201 - Introduction to Information Science	3		Programming for non-CS majors	3/4	
	Humanities (HU)*	3		Humanities (HU)*	3	
	Total	15		Total	15/16	
Year 2	Fall			Spring		
Benchmark II requirements: Following courses must be completed within the first 60 credits in the major: <ul style="list-style-type: none"> • STAT 100 • Programming for non-CS majors • INST 101 	Course	Credit	Grade	Course	Credit	Grade
	Natural Science Lab (NL)*	4		Natural Science (NS)* or History/Social Science (HS)*	3	
	Scholarship in Practice (SP)* / Elective	3		Scholarship in Practice - non major (SP)*	3	
	INST 303 - Information Organization	3		INST 307 - Database Design and Modeling	3	
	INST 306 - Object-Oriented Programming	3		INST 305 - User-Centered Design	3	
	Elective	3		Elective	3	
	Total	16		Total	15	
Year 3	Fall			Spring		
	Course	Credit	Grade	Course	Credit	Grade
	INST 304 - Statistics for Information Science	3		INST 312 - Teams and Organizations	3	
	INST 302 - Information User Needs and Assessment	3		INST 346 - Technologies, Infrastructure and Architecture	3	
	Major Elective	3		Major Elective	3	
	Elective	3		Elective	3	
	Elective	3		Elective	3	
	Total	15		Total	15	
Year 4	Fall			Spring		
	Course	Credit	Grade	Course	Credit	Grade
	Major Elective	3		Major Elective	3	
	Major Elective	3		INST 490 - Integrative Capstone	3	
	Professional Writing (PW)	3		Elective	3	
	Elective	3		Elective	3	
	Elective	3		Elective	1/2	
	Total	15		Total	13/14	

* All students must complete two Distributive Studies courses that will also count for the I-Series requirement. Students may also fulfill Understanding Plural Society and/or Cultural Competence with courses from Distributive Studies.

BACHELOR OF SCIENCE IN INFORMATION SCIENCE

NAME _____

UID _____

General Education Requirements			
Fundamental Studies			
<i>Requirements</i>	<i>Course</i>	<i>Credits</i>	<i>Grade</i>
Academic Writing (AW)	ENGL 101	3	
Professional Writing (PW)		3	
Oral Communication (OC)		3	
Mathematics (MA)	MATH 115	3	
Analytic Reasoning (AR)	STAT 100	3	
Distributive Studies			
Natural Science Lab (NL)*		4	
Natural Science (NS) OR History/Social Science (HS)	PSYC 100	3	
Natural Science (NS)* OR History/Social Science (HS)*		3	
History/Social Sciences (HS)*		3	
Humanities (HU)*		3	
Humanities (HU)*		3	
Scholarship in Practice (SP)* Out of major	Programming for non-CS majors	3/4	
Scholarship in Practice (SP)* Out of major		3	
I-Series			
May also satisfy Distributive Studies or Diversity			
I-Series (IS)*		--- / 3	
I-Series (IS)*		--- / 3	
Diversity			
May also satisfy Distributive Studies or I-Series			
Understanding Plural Societies (UP)*		--- / 3	
Understanding Plural Societies (UP)* OR Cultural Competency (CC)*		--- / 3	

* All students must complete two Distributive Studies courses that will also count for the I-Series requirement. Students may also fulfill Understanding Plural Society and/or Cultural Competence with courses from Distributive Studies.

Requirements for Graduation	
	Earn a minimum of 120 credits
	At least 30 credits must be earned at UMD
	15 of the final 30 credits must be earned at the 300-400 level
	Earn a cumulative 2.0 GPA in all UMD coursework
	Earn a D- or higher in each course used to complete GenEd
	Earn a C- or higher in each course required for the major

Benchmark I		
Must be completed within the first 30 credits of declaring the major.		
MATH 115 or higher	3	
PSYC 100	3	
Benchmark II		
Must be completed within the first 60 credits of declaring the major.		
STAT 100	3	
Programming for non-CS majors	3/4	
INST 201 - Introduction Information Science	3	
Major Requirements		
All students must earn a C- or better in each of the courses listed below. Students must earn a cumulative 2.0 in major requirements.		
MATH 115	3	
PSYC 100	3	
STAT 100	3	
Programming for non-CS majors	3	
INST 201 - Introduction to Information Science	3	
INST 302 - Information User Needs and Assessment	3	
INST 303 - Information Organization	3	
INST 304 - Statistics for Information Science	3	
INST 305 - User-Centered Design	3	
INST 306 - Object-Oriented Programming	3	
INST 307 - Database Design and Modeling	3	
INST 312 - Teams and Organizations	3	
INST 346 - Technologies, Infrastructure and Architecture	3	
INST 490 - Integrative Capstone	3	
Major Electives		
Must complete 15 credits		
	3	
	3	
	3	
	3	
	3	