THE UNIVERSITY OF ARIZONA
College of Information Science

INFORMATION SCIENCE

Bachelor of Science in Information Science

3
emphasis areas

#17
Bachelor's in Information Technology
BachelorsDegreeCenter.com

$93K
average salary for information scientists*

SHAPE THE FUTURE OF INFORMATION.

Offered at the University of Arizona's main campus, the highly ranked, STEM-designated BS in Information Science equips you with the versatile, cross-disciplinary skills required to solve society's most critical information challenges.

In the BSIS, you'll gain the hands-on computational, mathematical and technological foundation you need to analyze and extend the digital world, opening the door to a wide variety of careers at the intersection of information, people and technology.

Choose from three emphasis areas:

Artificial Intelligence

In the Artificial Intelligence emphasis, you'll develop in-demand expertise in AI, machine learning and natural language processing by designing intelligent systems for adaptive learning and decision-making, grounded in modern modeling approaches and responsible, ethical practice.

Data Science

In the Data Science emphasis, you'll develop more advanced skills in data science and learn the crucial ways that data science can be used in the real world, including big data, through application-based courses that explore data mining, data engineering, database development, cyber infrastructure, machine learning and more.

Interactive and Immersive Technologies

In the Interactive and Immersive Technologies emphasis, you'll study the ways data and information can be presented and visualized, as well as understand how to design systems to convey information to users with established and emerging technologies, from websites and apps to video games and virtual reality.

What You'll Learn

- **Computational thinking** to solve a wide range of information and data challenges
- **Collection, manipulation, analysis and interpretation of different types of data** at different scales
- **Research methods and presentation skills** for data and information science
- **Information and communication programming, technologies and tools** and the implications of their uses
- **Scientific and social uses of information**
- **Social, cultural and economic implications of digital life** and culture
- **Recognition and analysis of ethical and policy concerns** raised by new technologies
- **Effective communication** across cultures and with diverse peoples and groups
- **How to craft effective, ethical solutions** for data and information challenges

* Average salary for information scientists according to Zippia, January 2026.

INFORMATION SCIENCE COURSES

The BS in Information Science offers courses that equip you with the versatile skills necessary for a career across dynamic, rapidly growing industries.

CORE COURSES INCLUDE:

- Computational Thinking and Doing
- Dealing with Data
- Ethics in a Digital World
- Great Ideas of the Information Age
- Statistical Foundations of the Information Age

EMPHASIS AREA COURSES INCLUDE:

Artificial Intelligence

- Artificial Intelligence
- Bayesian Modeling
- Data Ethics
- Game Artificial Intelligence
- Introduction to Machine Learning
- Introduction to Natural Language Processing

Data Science

- Data Engineering
- Data Mining
- Data Visualization
- Data Warehousing and Analytics in the Cloud
- Database Development and Management
- Principles and Practices of Data Science

Interactive and Immersive Technologies

- Advanced Web Design
- Augmented Reality
- Game Development
- Introduction to Creative Coding
- Introduction to Human-Computer Interaction
- Virtual Reality

This is not a complete list of required or available courses, and course offerings may vary, so be sure to meet with your academic advisor to plan the path that works best for you.

INTERNSHIPS

Internships are optional in your InfoSci degree, but strongly encouraged. With support from our Career Center, students gain hands-on experience with organizations like Amazon, CyVerse, Intel, Mayo Clinic, Deloitte, Raytheon, Tucson Electric Power and Pima County Public Library, turning classroom learning into career-ready skills.

LAUNCH YOUR CAREER IN INFORMATION SCIENCE

According to research by Lightcast, **information science-related jobs are expected to grow by more than 16% over the next five years**, while salaries are predicted to grow from 10% to 20% in that same time span.

According to Zippia, **the average salary for an information scientist is $93,000 per year**, with top annual average salaries ranging up to $189,000 or more.

BSIS graduates are ready to excel in high-demand positions across industries, including:

- Application or systems analyst
- Consultant
- Cybersecurity analyst
- Database administrator
- Data analyst, scientist or engineer
- Digital artist
- Digital repository specialist
- Information architect
- Information security analyst
- Information technology specialist
- Software developer
- Web designer
- Web programmer

Ready to shape the future of information?

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