

Foundational Course Work for Data Science Majors

	Math	Statistics	Computation
Statistics, Computer Science	Calc I, II, & III, Linear Algebra	Calc and Linear Algebra Based	R and Python
Computer Science	Calc I & Calc II or Linear Algebra		Python or Java
Information Science	Calc I	College algebra based	R and Python
Systems & Industrial Engineering	Calc I, II, & III, Differential Equations	Calc based	C or Python
Management Information	College Algebra	College algebra based	Java

Data driven inquiries play a role in a vast array of growing careers. The University of Arizona offers a spectrum of opportunities for undergraduates with interests in the Data Sciences. Students can choose a Data Science as both a major or a minor. Contact the Data Sciences Academy for more information.

Contact info

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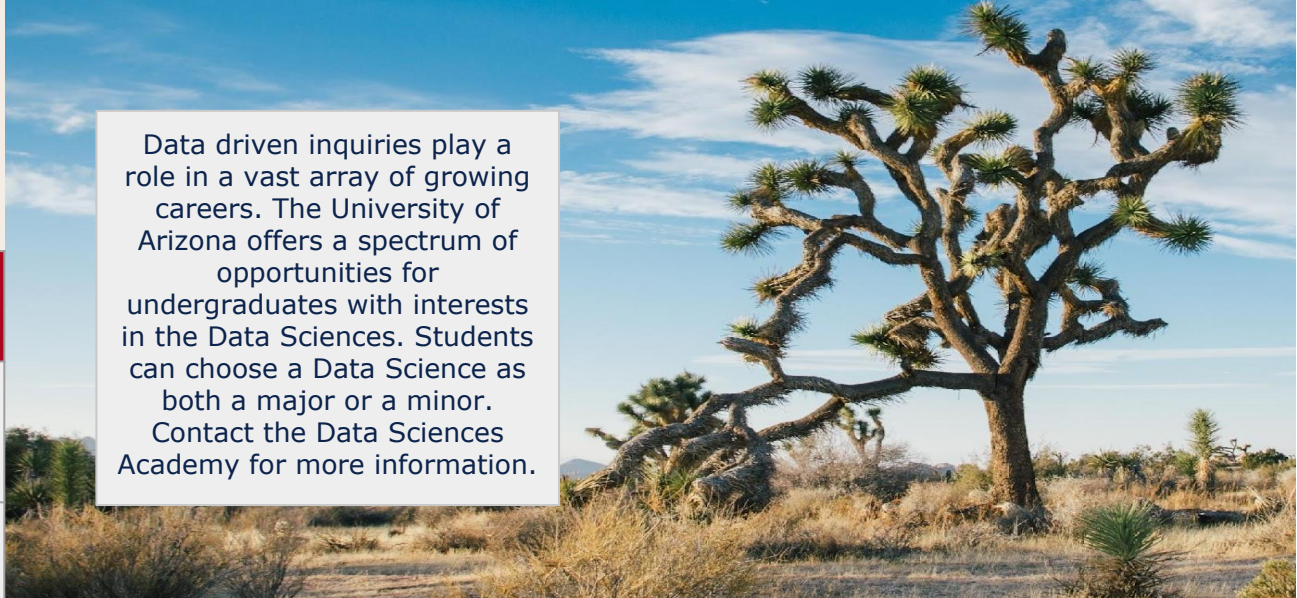


Data Sciences
Academy

Data Sciences Studies



Data Sciences
Academy



Statistics & Data Science

Building the theoretical foundations in probability and statistics, design modern statistical approaches like machine learning to data driven questions through the interaction of theory and computation.

<https://www.arizona.edu/degree-search/majors/statistics-and-data-science-bs>

Computer Science

Technical aspect of programming - operating systems, systems software, algorithms, data visualization, designs for data storage and retrieval, challenges in cloud computing, its security and privacy.

<https://www.cs.arizona.edu/undergraduate/undergraduate-program>

School of Information

Computing and programming techniques, machine learning, data mining, data engineering, artificial intelligence, natural language processing, computational arts and media.

<https://ischool.arizona.edu/>

Systems & Industrial Engineering

Solving to engineering problems by integrating classical tools with modern data science, using optimization strategies and incorporating human factors to production systems analysis, logistics, and supply chain analysis.

<https://sie.engineering.arizona.edu/>

Management Information Systems

Applying computer technology, quantitative techniques, and administrative skills to the information processing to manage computerized information systems to meet the needs of business organizations.

<https://eller.arizona.edu/departments-research/schools-departments/mis>