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.

### Foundational Course Work for Data Science Majors

<table>
<thead>
<tr>
<th>Math</th>
<th>Statistics</th>
<th>Computation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Statistics, Computer Science</td>
<td>Calc I, II, &amp; III, Linear Algebra</td>
<td>Calc and Linear Algebra Based</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Calc I &amp; Calc II or Linear Algebra</td>
<td>Python or Java</td>
</tr>
<tr>
<td>Information Science</td>
<td>Calc I</td>
<td>College algebra based</td>
</tr>
<tr>
<td>Systems &amp; Industrial Engineering</td>
<td>Calc I, II, &amp; III, Differential Equations</td>
<td>Calc based</td>
</tr>
<tr>
<td>Management Information</td>
<td>College Algebra</td>
<td>College algebra based</td>
</tr>
</tbody>
</table>

Contact info

1118 E. Fourth Street, Rm 504
Tucson, AZ 85721
dataacademy@arizona.edu
(520)621-1786
https://dataacademy.arizona.edu/
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

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

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/

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.

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