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SOUTHERN CAREERS INSTITUTE
DATA SCIENCE



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**Our Data Science students
have the opportunity to train in:**

- Statistics
- Computer Programming
- Data Visualization
- Data Modeling
- Big Data
- Machine Learning

**Graduates may pursue
careers as:**

- Business Intelligence Analyst
- Data or Business Analyst
- Data Scientist
- Data Engineer
- Marketing Analyst
- Finance Analyst
- Database Administrator

Length of Program*

**33
WEEKS**

ONLINE

* With successful full-time enrollment.
Online courses are asynchronous and
attendance is quantified by achieving the
defined activity benchmark.

Earn the following 10 Skill Badges conveying proficiency in your field:



Basic
Statistics



Statistical
Programming in R



Metrics
& Data Processing



Data Wrangling
& Visualization



Intermediate
Statistics



Machine Learning
& Modeling



Introduction
to Big Data



SQL &
NoSQL



Programming
Foundations in Python



Group
Project



- | | | | |
|---------------|--|---------------|---|
| DSO101 | Basic Statistics
Learn what it means to be a data scientist. Understand the basics of data & perform your first analyses & visualizations | DSO106 | Machine Learning and Modeling
Predict future events & reduce risk through supervised & unsupervised machine learning & modeling techniques |
| DSO102 | Statistical Programming
Use R to manipulate, analyze, & visualize data | DSO107 | Introduction to Big Data
Learn Big Data concepts like MapReduce & learn Amazon Web Services to use Spark |
| DSO103 | Metrics and Data Processing
Learn how to create new metrics for businesses & basics of Agile Project Management | DSO108 | Databases
Learn how to design, store, & manipulate databases. Students will work with both rational (SQL) & non-rational databases |
| DSO104 | Data Wrangling and Visualization
Understand the process of changing structure & format of raw data until the data is compatible with sometimes rigid requirements for analysis & appreciate the power of representing data graphically | DSO109 | Programming Foundations
Learn common programming concepts in Python such as lists, loops, dictionaries, & functions |
| DSO105 | Intermediate Statistics
Draw insight from data using advanced statistical analyses | DSO110 | Group Project
Solve your own real-world problem using the data analysis techniques of your choosing, then present in front of potential employers |



SPEAK WITH AN ADMISSIONS ADVISOR TODAY! 1.833.SCI.TEXAS or visit SCItexas.edu

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1701 W. Ben White Blvd., Ste. 100
Austin, TX 78704

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Brownsville, TX 78520

Corpus Christi Branch Campus
2422 Airline Rd.
Corpus Christi, TX 78414

Harlingen Branch Campus
1122 Morgan Blvd.
Harlingen, TX 78550

Pharr Branch Campus
1500 North Jackson Rd.
Pharr, TX 78577

San Antonio-North Branch Campus
6963 NW Loop 410
San Antonio, TX 78238

San Antonio-South Branch Campus
238 Southwest Military Dr. Ste. 101
San Antonio, TX 78221

Waco Branch Campus
3700 S IH 35, Ste. A
Waco, TX 76706

*Past students' outcomes, starting salaries, and job prospects are not indicative of those for current and future students. SCI does not guarantee employment or a starting salary upon graduation, completion, or withdrawal from SCI. *Not all campuses offer all programs