

Certificate

# Data Science

Learn to leverage the power of big data to extract insights and improve decision making for real-world problems. Gain hands-on experience in data management and visualization, machine learning, statistical models, and more for a career in data science.

**Total Units:** 16

**Formats:**

- Standard – Complete the certificate at your own pace in 6-15 months, depending on how many courses you take each quarter.
- Intensive – Complete the certificate in 10 weeks.

**Eligible for International Students (F-1 visa)**

**Internships available**

## Suggested Prerequisite

For students with limited or no prior programming, statistics, or data analytics knowledge.

Typically Offered\*

COURSE NAME & NUMBER	UNITS	FALL	WINTER	SPRING	SUMMER
<a href="#">Data Science Fundamentals</a> COM SCI X 450.00	4.0	Classroom Online	Classroom Online	Classroom Online	Classroom Online

## Required Courses

16 Units | 4 Required Courses – or – 10-Week Intensive

Typically Offered\*

COURSE NAME & NUMBER	UNITS	FALL	WINTER	SPRING	SUMMER
<a href="#">Introduction to Data Science</a> COM SCI X 450.1	4.0	Classroom Online	Classroom Online	Classroom Online	Classroom Online
<a href="#">Exploratory Data Analysis and Visualization</a> COM SCI X 450.2	4.0	Online Hybrid	Online Hybrid	Online Hybrid	Online Hybrid
<a href="#">Hadoop and Managing Big Data</a> COM SCI X 450.3	4.0	Classroom Online	Classroom Online	Classroom Online	Online
<a href="#">Machine Learning Using R</a> COM SCI X 450.4	4.0	Online Hybrid	Online Hybrid	Online Hybrid	Online Hybrid
- OR -					
<a href="#">Data Science 10-Week Intensive</a>	16.0	Classroom	Classroom	Classroom	Classroom

## Internship (Optional Elective)

4 Units | Optional. Not required to complete certificate.

Typically Offered\*

COURSE NAME & NUMBER	UNITS	FALL	WINTER	SPRING	SUMMER
<a href="#">Digital Technology Internship</a> COM SCI X 460.100	4.0	Internship	Internship	Internship	Internship

*Internship eligibility: student must be a certificate candidate, and have completed a minimum of 12 units with a minimum GPA of 3.0. Permission to enroll must be received in advance from the Digital Technology certificate advisor. International students (F-1 visa) pursuing a paid internship must also have permission from the International Student Office before enrolling.*

\*Courses in this program are typically offered during the quarters and format(s) outlined above. Scheduling is subject to change at any time by UCLA Extension.

Please visit our website for all current course offerings.

**Contact Us**  
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