

2024 - 2025 Certificate Map

Data Science

School/College: [New College of Interdisciplinary Arts and Sciences](#)

Location: [West Valley](#)

Program Requirements

The certificate in data science consists of 15 upper division credit hours of coursework. A minimum of six upper-division credit hours must be completed through courses offered by the School of Mathematical and Natural Sciences. A maximum of six credit hours may be shared between the certificate and major coursework. All courses used to satisfy requirements for the certificate must be passed with a "C" (2.00) or better.

Required Courses -- 9 credit hours

[ACO 320: Database Systems](#) (3)

[ACO 423: Data Science](#) (3)

[STP 315: Statistical Computing](#) (3)

Electives (choose two) -- 6 credit hours

[ACO 321: Database Development & Applications](#) (3)

[ACO 420: Big Data Systems](#) (3)

[BMI 311: Modeling Biomedical Knowledge](#) (3)

[BMI 312: Modeling Biomedical Data](#) (3)

[MAT 422: Mathematical Methods in Data Science](#) (3)

[STP 310: Design and Analysis of Experiments](#) (3)

[STP 311: Regression and Time Series Analyses](#) (3)

Prerequisite courses may be needed in order to complete the requirements of this certificate.