

Data Analytics Certificate

The Data Analytics Certificate is for individuals with or without a college degree whose goal is to acquire or improve their data analytic skills will accomplish their goals in this program. Emphasis is on acquiring results-oriented career business and industry skills. The program is intended for those seeking entry-level positions as well as those currently employed who desire to enhance their job skills. It provides employers and current prospective employees with tangible evidence of data analytic competencies.

Students must earn a grade of "C" or higher in all coursework.

(Major Code 5460; CIP Code 11.0802)

Data Analytics Program web page (<http://www.jccc.edu/academics/credit/data-analytics/>)

Program Learning Outcomes

Johnson County Community College (JCCC) is committed to offering high-quality affordable programs that focus on developing knowledge and skills conducive to life-long learning. Both the General Education Student Learning Outcomes (<https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/learning-outcomes.html>) and Institutional Learning Outcomes (<https://www.jccc.edu/about/leadership-governance/administration/institutional-effectiveness-branch/outcomes-assessment/institutional-learning-outcomes.html>) convey JCCC's approach to programmatic outcomes. Additionally, students who successfully complete the Data Analytics Certificate from JCCC will be able to:

- Discover and communicate patterns found in data to solve various problems.
- Access, clean, and format data from a variety of sources.
- Analyze various data sets using statistics and computer programming to achieve insight into the data.
- Create visualizations of data.
- Create supervised and unsupervised machine learning models.
- Communicate findings with a variety of audiences.

Certificate Requirements

First Semester

Code	Title	Hours
DS 210	Introduction to Data Science	3
DS 220	Data Visualization	3
DS 230	SQL for Data Analysis	3
DS 240	Introduction to Statistical Programming	3
Total Hours		12

Second Semester

Code	Title	Hours
DS 260	Data Mining*	3
DS 270	Introduction to Machine Learning*	3
DS 280	Big Data Architecture	3
MATH 201	Statistics* (SGE 030) (SGE 070)	3
Total Hours		12

Total Program Hours: 24

* This course has registration requirements.

Kansas Systemwide General Education (SGE) Key

- English SGE ⁰¹⁰
- Communications SGE ⁰²⁰



JOHNSON COUNTY
COMMUNITY COLLEGE

2025-26 Catalog

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- Mathematics and Statistics SGE⁰³⁰
- Natural and Physical Sciences SGE⁰⁴⁰
- Social and Behavioral Sciences SGE⁰⁵⁰
- Arts and Humanities SGE⁰⁶⁰
- Cavalier Credits SGE⁰⁷⁰