

Data Analytics Skills Certificate

Course Order:

Level-Up Sessions and Course Connect resources are available through all courses.

1. Orientation

2. Data and Decisions: Applied Statistics

3. Fundamentals of Spreadsheets and Data Presentation

4. Foundations of Coding

5. Problem-Solving With Artificial Intelligence

6. Data Visualization

7. Data Analysis With SQL

Term Length: 6 months

This Finish Fast Checklist is designed to help you stay on track, remain focused, and complete your program on time. To keep yourself motivated, post it where you'll see it daily.

These 6 courses will help you develop complimentary skills in working with statistics, data, coding, and artificial intelligence. Along the way, you will earn 14 competency units by completing each of the following assessments:

- 7** Final Exams
- 1** Certification Exam
- 1** Written Reflection

Orientation

Our Ready for Success course will help you understand the terms, tools, and teams available to support your learning journey. It's the first step to complete before beginning your certificate coursework.

Level-Up Sessions

Here is an opportunity to connect with your peers and a professional Student Success Coach. You're invited to join Level-Up sessions, designed to help you stay focused on your goals.

We encourage you to attend! Be sure to check your email for details and links.

Career Services

Ready for the next step in your career? Take advantage of our on-demand career support options via our online tutoring service. These include:

- Interview Prep
- Job Search and Application Support
- Resume Help

Course Connect

Check out this online community, where you will find additional resources, such as videos, tips and tricks, and/or other tools to support your learning journey. There, you can also interact with students enrolled in this program.

Courses



Data and Decisions: Applied Statistics

3 Competency Units

SKILLS:

- Algebra
- Artificial Intelligence
- Data Analytics
- General Mathematics
- Graphing
- Numeracy
- Statistics

LEARNING ACTIVITIES:

- ◆ Reading Materials
- ◆ Knowledge Checks
- ◆ Interactive Learning Components
- ◆ 4 Final Exams
- ◆ Real-world Scenarios
- ◆ Videos



Fundamentals of Spreadsheets and Data Presentation

3 Competency Units

SKILLS:

- Data Analysis
- Data Visualization
- Spreadsheets

LEARNING ACTIVITIES:

- ◆ Interactive Textbook
- ◆ Practice Quizzes
- ◆ Final Exam



Foundations of Coding

3 Competency Units

SKILLS:

- Algorithms
- Computer Coding
- Databases
- Problem-Solving
- Basic Programming
- Programming Language Implementation
- Foundational Python
- Troubleshooting

LEARNING ACTIVITIES:

- ◆ Interactive Textbook
- ◆ Module Tests
- ◆ Videos and Demonstrations
- ◆ Final Exam
- ◆ Code Samples
- ◆ Practice Quizzes

Courses



Problem-Solving With Artificial Intelligence

2 Competency Units

SKILLS:

- Ethics of Artificial Intelligence
- Artificial Intelligence Applications
- Prompt Refinement
- Information Literacy
- Problem-Solving

LEARNING ACTIVITIES:

- ◆ Curated Readings
- ◆ Videos
- ◆ Lightning Round Quizzes
- ◆ Final Exam
- ◆ Written Reflection



Data Visualization

1 Competency Units

SKILLS:

- Data Analysis
- Data Visualization
- Power BI or Tableau

LEARNING ACTIVITIES:

- ◆ Modules on either Power BI or Tableau
- ◆ Reading Materials
- ◆ Skills Assessments
- ◆ Statement of Accomplishment Downloaded



Data Analysis With SQL

2 Competency Units

SKILLS:

- Data Analysis
- PostgreSQL
- Structured Query Language (SQL)

LEARNING ACTIVITIES:

- ◆ Reading Materials
- ◆ Videos
- ◆ Real-World Projects
- ◆ Skills Assessments
- ◆ Associate Data Analyst Certification Exam