

Business Intelligence Participant Journey

Business intelligence and data analysts make sense of data and numbers to help organizations improve processes and operations. They prepare, process, analyze and visualize data, discovering patterns and trends and answering key questions along the way. Their work empowers their wider team to make better business decisions.

Trial Period

During the first month, there is a trial period that allows you to test out the program and meet milestones to understand the time management required to be successful.

You will complete the following courses in order:





-   Orientation
-  Data Analytics | Course 1: Foundations
-  Data Analytics | Course 2: Ask Questions
-   Orientation

Months 1-3

You will complete the following courses in order:

-   Overview of BI & Data Analytics
-  Data Analytics | Course 3: Prepare Data
-  Data Analytics | Course 4: Process Data

Skills & software you will learn:




-  Data integrity
-  Data analysis
-  Theoretical foundation
-  Data types and structures

Months 4-6

You will complete the following courses in order:

-   Intro to SQL Programming
-  Data Analytics | Course 5: Analyze Data

Skills & software you will learn:




-  SQL
-  Google Sheets
-  R Programming & RStudio

Months 7-9

You will complete the following courses in order:

-   Advanced Excel
-  Data Analytics | Course 6: Share Data through Visualization

Skills & software you will learn:



-  Microsoft Excel
-  Data calculations
-  Metadata

Months 10-12

You will complete the following courses in order:

-   Dashboards and Data Visualization
-  Data Analytics | Course 7: Data Analysis with R Programming

Skills & software you will learn:




-  Tableau & data visualization
-  Database design and data warehousing

Months 13-15

You will complete the following courses in order:

-   Elective 1*
-  Data Analytics | Course 8: Capstone Case Study**

Skills & software you will learn:

-  Developing a portfolio
-  Kaggle
-  Electives: R Programming, Python Programming, Intermediate SQL, Advanced BI, LEAD Thinking

*Elective Options (you'll choose one course):

- Introduction to R Programming (beginner) | *No prerequisites required*
- Python of Informatics (beginner) | *No prerequisites required*
- Intermediate SQL Programming (intermediate) | *Required prerequisite: CSE-40933 Introduction to SQL Programming (required course with certificate)*
- Advanced Business Intelligence: Introduction to Predictive Analytics (advanced) | *Suggested prerequisites: CSE-41198 Introduction to statistics using R (not offered with certificate) or previous background knowledge and experience with R or Python and statistics*
- LEAN Thinking for Big Data Analytics (advanced) | *Bachelor's degree or working experience in software programming, science, business management or information science required*

****Following completion of Data Analytics Course 8, you may have the option to participate in a paid work internship.**



Job-readiness Stages & Descriptions

Stage 1

Learning the Industry

How to get into the industry by researching tech roles, exploring the labor market and evaluating job quality. Learn about and use online resources.

Stage 2

Building a Foundation

Develop essential skills by focusing on soft skills. Create tailored resumes by highlighting relevant experiences for each application.

Stage 3

Becoming Industry Relevant

Update your LinkedIn: take professional headshots to enhance your profile. Answer "tell me about yourself" by learning to craft a concise career narrative. Write a cover letter.

Stage 4

Community Exposure

Prepare for interviews via mock interviews and customized feedback. Build your professional network by engaging in industry events and online forums. Manage imposter syndrome. Find a mentor to obtain guidance and industry insights.

Stage 5

Launching Your New Path

Polish job materials: update resumes periodically and cover letters for each job role. Optimize job search: use job boards, networking and social media. Negotiate salaries: research standards and discuss confidently.

Relevant Jobs



Billing analyst



Business intelligence analyst



Data analyst



Data technician



Finance analyst



Operations analyst



Marketing analyst