



Data Analytics - Associate Degree

As businesses are collecting more data there is an increased need to interpret, analyze, and present that data to the key stakeholders who make the business decisions. The Data Analyst program prepares learners to use techniques to combine, clarify and interpret patterns and trends, and provide visualizations of the data using best practices and relevant technologies.

Program Code: 101563 ★ New at NWTC

Apply Now

Request Information

Area of Study: Business, Information Technology

Visualize Your Success

Imagine playing a key part in a company's success and future – and feeling valued in your role.

In data analytics, you collect, clean, analyze, and visualize data, transforming it into meaningful information that drives business decisions. You tell the data's story through visualizations and presentations.

As organizations increasingly embrace technology and data, you could become an analyst in any one of a variety of fields. Below are examples of data analyst responsibilities in different fields:

- Advanced manufacturing – Work in predictive maintenance, using data from machine learning to predict when equipment will need upkeep and repairs. That can save time and money by reducing machine downtime.
- Logistics – Deliver analytics to help lower total transportation cost by extracting data and building visualizations/analytical models that support business needs.
- Insurance – Ensure analysis and reporting accuracy and integrity. Provide insights into performance trends. Communicate findings to stakeholders and leadership with recommendations for actions to address business changes, trends, and issues.
- Health care – Track and analyze patient care. Create data visualizations that enable decision makers to determine future next steps.

Data Analytics Associate Degree



Tuition: \$9,572, Books: \$1,416, Supplies:



\$0

Total Approximate Costs

\$10,988

This program is eligible for financial aid.

Estimates based on in-state residency.

Learn more about tuition and fees.



Explore Locations

Offered At:

Green Bay



Follow Your Path

Data Analytics is in the top 10 in-demand jobs according to Microsoft who utilized the job postings data from LinkedIn. As more businesses are connecting their machines with their ERPs the businesses need to make more intentional decisions. As part of Industry 4.0 manufacturing, marketing, and financial areas, businesses are looking for people who can gather, analyze and interpret patterns and trends, and provide visualizations of the data to the right person who can make informed decisions. Businesses are looking at

machine monitoring, safety wearables, providing proactive customer service, and staying fiscally viable. All of this comes with big data that needs to be analyzed to guide business decisions. UWGB is looking to offer a Data Analytics bachelor's degree in the future.

All credits from the following certificate(s) apply towards this associate degree:

901561, Data Analytics and Visualization

901523, Python Certificate



Delivery ⓘ

Day

Evening

Full-time

Online: Some online courses may be delivered at specific times each week.

Part-time

How do I get started in this program?

Requirements for Program Entry

- Apply at www.nwtc.edu/apply
- Submit high school, GED, or HSED transcripts and college transcripts (if applicable) to transcripts@nwtc.edu
- Tip! Our admission advisors will assist you through every step. Have questions? Connect with NWTC Admissions at start@nwtc.edu or 920-498-5444.

What are my courses?

Curriculum

Students following the study plan below will complete the Data Analytics Associate Degree in the number of semesters shown.

First Semester

8 Week 1

<u>10890101 - College 101</u>	1
<u>10801136 - English Composition 1</u>	3
<u>10804135 - Quantitative Reasoning</u>	3
<u>10103131 - MS Excel Intro</u>	1

8 Week 2

<u>10107107 - Intro to IT</u>	1
<u>10151100 - Intro to Cybersecurity</u>	1
<u>10103132 - MS Excel Part 2</u>	1
<u>10804189 - Introductory Statistics</u>	3

Semester Total	14
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Second Semester

8 Week 1

<u>10105101 - Career Planning</u>	1
<u>10154125 - Database Development</u>	3
<u>10102124 - Planning and Monitoring</u>	3

8 Week 2

<u>10196188 - Project Mgmt Fundamentals</u>	3
<u>10152170 - Programming in Python</u>	3
<u>10156112 - Data Visualization</u>	2
<u>10103175 - Power BI</u>	1
Semester Total	16

Third Semester**8 Week 1**

<u>10105103 - Career Preparation</u>	1
<u>10152184 - SQL Programming</u>	3
<u>10152160 - Programming in R</u>	3

8 Week 2

<u>10156114 - Data Analytics</u>	2
<u>10809198 - Intro to Psychology</u>	3
<u>10196189 - Team Building/Prob Solve</u>	3
Semester Total	15

Fourth Semester**8 Week 1**

<u>10182111 - Lean Operations</u>	1
<u>10182112 - Lean Manufacturing</u>	1
<u>10156110 - Data Analytics 2</u>	3
Elective	2

8 Week 2

0 WEEK 2

<u>10182114 - Lean Six Sigma</u>	1
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<u>10801196 - Oral/Interpersonal Comm</u>	3
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<u>10809172 - Intro to Diversity Studies</u>	3
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Full Semester

<u>10156199 - Data Analytics Career Exp</u>	2
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Semester Total	16
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Total Credits	61
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- Curriculum Note: Students must take 2 credits of elective courses: 10-116-116 HR Organizational Metrics (2 credits) 10-620-147 Intro to Predictive Maintenance (1 credit) 10-530-163 HC Stats and Analytics (3 credits) 10-104-174 Marketing Analytics (3 credits)

Program Outcomes

- Develop functional knowledge in the rapidly growing field of data analytics.
- Build and apply critical thinking skills when integrating datasets from multiple sources.
- Develop techniques for communicating data through visualization and storytelling.
- Use relevant technologies to gather, analyze and interpret patterns and trends in data.

What careers are in my future?

Employment Potential

Data Analyst

- Data Engineer
- Business Intelligence Analyst
- Consultant (Analytics)
- Data Analyst Specialist
- Junior Data Scientist
- Junior Data Analyst

What's next after graduation?

Start here. Finish at a four-year.

NWTC transfer programs are offered through collaborative agreements with our four-year college and university partners. [See where your associate degree credits will transfer.](#)

 [View Print Version](#)

Related Programs

[Cybersecurity Associate Degree](#) >

[Data Analytics and Visualization Certificate](#) >

[Python Certificate](#) >

