

JOB-FOCUSED EDUCATION

Accredited | Affordable | Two-Week Terms

DATA ANALYTICS

With a renewed emphasis on combating global climate change,

the data analytics field is expected to grow at a rate of 20% over the next decade, according to the Bureau of Labor Statistics. Much of the climate change research and mitigation strategies rely on adequate and accurate data and data interpretation. Climate change is the biggest threat facing the planet for current and future generations. Climate change impacts everything from marine biology to food systems to human health. One of the most powerful tools in the fight against climate change is data. Data Analytics uses a variety of tools — from machine learning to data visualization — to present an accurate picture of the current health of the planet and predict the future.

HOW YOU WILL LEARN

We have identified the best features of in-person and virtual learning, brought them together, and created an innovative and flexible education designed for the modern learner. All courses run on a two-week term calendar where learners take one course at a time. Each class meets in person regularly with day, weekend, and evening options available. In addition, courses leverage HyFlex instruction to enhance classroom learning. Using this flexible approach, learners leverage tools such as discussion boards, academic support resources, videos, and project-based assignments to demonstrate their understanding of the content. Our facility in New Gloucester, Maine, is equipped with state-of-the-art classrooms deploying cutting-edge technology, laboratories, conference rooms, co-working/study spaces, and more to support and enhance teaching and learning.

ASSOCIATE DEGREE



TECHNICAL INSTITUTE FOR
ENVIRONMENTAL PROFESSIONS

COSTS

- + \$250 per credit
- + Financial aid options are available, which can reduce out-of-pocket costs significantly.
- + There are no additional textbook costs for most of our courses!

JOB OUTCOMES, & GROWTH*

Data Analyst

 +15%

Business Intelligence Analyst

 +15%

Data Technician

 +15%

*Projected 10-year growth

Source: O*Net



TECHNICAL INSTITUTE FOR ENVIRONMENTAL PROFESSIONS

UNOFFICIAL CHECKSHEET A.A.S. IN DATA ANALYTICS

Student Name

Total Transfer Credits Checksheet Date

GRADUATES WILL BE ABLE TO:

- + Articulate the connection between data and the environmental professions and the importance of data in the field.
- + Demonstrate the ability to think critically in making decisions based on data and deep analytics.
- + Demonstrate the ability to use industry relevant data analysis tools such as Microsoft Excel, Python, and more.
- + Demonstrate the ability to communicate the result of the data analysis to relevant stakeholders.
- + Organize and retrieve data using tools such as MongoDB and SQL.
- + Create meaningful reports in varying formats that portray the results of the data analysis.
- + Identify and discuss security and ethical issues in dealing with data.

General Education Core

- COM 100** Career Pathways
- COM 101** Digital Fluency and Information Literacy
- COM 102** 21st Century Communication Skills
- COM 105** Write Right!
- COM 201** Research Applications
- COM 205** Focus on Sustainability
- MAT 101** Foundational Algebra
- ENS 101** Our Blue Planet
- ENS 201** World Cultures
- GIS 101** Introduction to Geographical Information Systems for Environmental Professionals

Program Core

- DAT 101** Introduction to Data Analytics
- DAT 201** Database Basics
- DAT 203** SQL Demystified
- DAT 205** Introduction to Data Science
- DAT 211** Writing Reports
- MAT 201** Don't Step in the Bulls#!t! Workplace Statistics
- PGR 101** Fundamentals of Coding
- PGR 105** Coding for Data Analytics
- PGR 201** Professional Ethics
- PRO 290** Professional Capstone

Electives

20 credits of unrestricted electives

Graduation Requirements

A minimum of 60 earned credit hours, a minimum of 15 credits earned at the Technical Institute, and an overall cumulative GPA of 2.0 or above.



TECHNICAL INSTITUTE FOR
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SECOND DEGREE

UNOFFICIAL CHECKSHEET A.A.S. IN DATA ANALYTICS

Student Name

Total Transfer Credits Checksheet Date

GRADUATES WILL BE ABLE TO:

- + Articulate the connection between data and the environmental professions and the importance of data in the field.
- + Demonstrate the ability to think critically in making decisions based on data and deep analytics.
- + Demonstrate the ability to use industry relevant data analysis tools such as Microsoft Excel, Python, and more.
- + Demonstrate the ability to communicate the result of the data analysis to relevant stakeholders.
- + Organize and retrieve data using tools such as MongoDB and SQL.
- + Create meaningful reports in varying formats that portray the results of the data analysis.
- + Identify and discuss security and ethical issues in dealing with data.

General Education Core

20 Credits met by transfer block

Program Core

- DAT 101** Introduction to Data Analytics
- DAT 201** Database Basics
- DAT 203** SQL Demystified
- DAT 205** Introduction to Data Science
- DAT 211** Writing Reports
- MAT 201** Don't Step in the Bulls#!t! Workplace Statistics
- PGR 101** Fundamentals of Coding
- PGR 105** Coding for Data Analytics
- PGR 201** Professional Ethics
- PRO 290** Professional Capstone

Electives

20 Credits met by transfer block

40 total credits in transfer credit block

Graduation Requirements

A minimum of 60 earned credit hours, a minimum of 15 credits earned at the Technical Institute, and an overall cumulative GPA of 2.0 or above.