ABOUT THIS PROGRAM

IS THIS PROGRAM FOR YOU?
If you are interested in data and how to use models to make data-driven decisions, then this is the certificate program for you. Learn how to build, verify and test data models and how analytics plays a role throughout all aspects of business today.

A PROGRAM TO FUEL YOUR FUTURE
We live in a data-driven world. It’s all around us in everything we do. Prepare for a career in a data-focused field. Dive into databases using SQL and use Python coding to generate analytical results in this Data Mining and Analytics certificate program.

CAREER OPPORTUNITIES
Graduates of DeVry’s Data Mining & Analytics certificate program may consider, but are not limited to, entry level opportunities in positions, such as:
- Software Applications Developer
- Software Developer Data Analyst
- Data Modeler
- Data Miner

QUICK FACTS

43 CREDIT HOURS
minimum credit hours required for graduation

14 COURSES

1 + 4 YEARS
minimum length for graduation

ANCHORED IN TECH CORE
Prepare to be immersed in coursework designed to help you build interdisciplinary skills you’ll need for today’s Internet of Things (IoT) economy. Project work and activities allow you to develop relevant skills in:
- Digital Devices
- Coding
- Operating Systems

WORK WITH IOT TECHNOLOGIES & SYSTEMS
Immerse yourself in the Internet of Things (IoT) world and obtain hands-on experience with IoT, cloud, software and security technologies and systems.

CERTIFICATION EXAM ALIGNED CURRICULUM
Experience elements of our technology curriculum focused on real-world industry standards and prepare for certification opportunities that help validate your knowledge and skills.
- CompTIA IT Fundamentals
- CompTIA Linux+
- PCEP – Certified Entry-Level Python Programmer

EVERY COURSE COUNTS
When you earn a Certificate in Data Mining and Analytics from DeVry, you can apply all credits toward a bachelor’s degree from DeVry and be 1/3 of the way done. The credits from this data mining certificate stack into DeVry’s Bachelor’s Degree in Software Development with a specialization in Big Data and Analytics.

1 Not including breaks. Assumes year-round, full-time enrollment. Additional program information may be found at https://www.devry.edu/online-programs.html.
Undergraduate Certificate | Tech
Data Mining and Analytics

PROGRAM COURSES

MATHEMATICS
MATH114  Algebra for College Students
MATH221  Statistics for Decision-Making

TECH CORE
CEIS101C  Introduction to Technology and Information Systems
CEIS106  Introduction to Operating Systems
CEIS110  Introduction to Programming

CODING AND PROGRAMMING
CEIS150  Programming with Objects
CEIS236  Database Systems and Programming Fundamentals
CEIS312  Introduction to Artificial Intelligence and Machine Learning

DATA AND ANALYSIS
BIAM300  Managerial Applications of Business Analytics
CEIS340  Database Management
CEIS480  Data Mining and Analytics
CEIS485  Data Interpretation and Statistical Analysis

CAREER PREPARATION
CEIS299  Careers and Technology
CEIS499  Preparation for the Profession

WHAT YOU’LL LEARN

ESSENTIALS
• Solve complex problems
• Analyze numerical data

TECH CORE
• Network, secure and deploy digital devices and sensors in the IoT ecosystem
• Script and write components of an application or program
• Install and configure operating systems using Command Line Interface (CLI)

PROGRAM
• Teach systems to learn without being explicitly programmed
• Program and manage large data systems
• Solve technical problems using an algorithmic approach and basic programming and coding methods

SPECIALIZED
• Acquire, retrieve and store data
• Mine and analyze data
• Use advanced techniques to analyze data

Earn a credential at every step.

BACHELOR’S

CERTIFICATE

43 CREDIT HOURS

+77 CREDIT HOURS REMAINING

120 TOTAL

HOW DO CREDENTIALS STACK?
The Data Mining and Analytics certificate can serve as a steppingstone to our Software Development bachelor’s degree when you specialize in Big Data and Analytics. If you choose to continue on with your education, all credits apply to your bachelor’s degree. Build your confidence – and your resume – when you start your journey at DeVry1.

1The figures displayed represent the minimum credit hours required for graduation. At the time of application to the next credential level, an evaluation of qualifying transfer credit will occur and the most beneficial outcome will be applied.