

CERTIFICATE PROGRAM

DATA SCIENCE

FLEETWINGS ACADEMY

DATA SCIENCE

DEVELOP THE SKILLS YOU NEED TO THRIVE IN A GROWING PROFESSION

This certificate program taps into expertise from leading industry professionals to help you expand your knowledge of advanced statistical modelling, machine learning, and big data tools. It covers essential content for analytics professionals, including neural networks and deep learning, programming languages, data extraction and analysis software, and data security, compliance, and privacy issues. It also explores the seven domains of INFORMS' Certified Analytics Professional (CAP) certification and teaches you how to visually represent data to better lead or inform decision-making. Whether you are a recent math or science graduate, a working professional in operations, business intelligence, or marketing and communications, or simply interested in advancing your career, this certificate program will empower you to explore the in-demand field of big data. The Data Science certificate program is comprised of four courses, designed and developed to be taken in order for natural progressive learning. Each course takes weeks in length and designed for working professionals who want to develop data science skills amidst a busy schedule. Individual courses are offered virtually and on campus and include instructor support, classroom secessions, weekly webinars, peer networking, and group assignments. There is requirement to attend in-person, synchronous sessions and you can also learn online through courses and assignments when it is most convenient for you. Grow your data science expertise. Practice coding and data analysis through weekly modules and practical assignments, participate guest lecture from security agency officials, trained intelligence and data professionals , cyber intelligence professionals and enter the chapter of recordings for the most relevant data science insights, and showcase your learning by completing assignments and major projects.



PRICE

175000 + applicable taxes
per individual course

DURATION

55 WEEKS
EXCLUDING
5-week INTERNSHIP

FORMAT

ONLINE & OFFLINE with live
sessions

WHO SHOULD ENROL

- Business associates, operations managers, project managers, and intelligence analysts. Finance, securities, and insurance professionals. Digital marketing and communications specialists.
- Professionals from any job level or industry who frequently work with analytics or data.
- Graduates & Post Graduates

MEET FLEETWINGS

FLEETWINGS ACADEMY

FLEETWINGS is an ACADEMY, Engaged in rendering , training and educating brains in vocational courses, cargo management, aviation and cargo shipping professional & certificate courses , Asset management courses .

taking the note of growing opportunity in the sector Fleetwings has spread its wings with programing courses specializing in neuro strategy, and data analytics where you will trained in subjects like data science , brain science, coding, power bi, machine tool learning and data science .



KEY TAKEAWAYS

- Explore the evolution of data science and analytics.
- Discover statistical concepts and techniques like regression, correlation, and clustering.
- Apply data management systems and technologies to address concerns about data security and privacy.
- Adopt techniques and technologies to support data mining, neural network mapping, and machine learning.
- Represent big data findings visually and train brain cells to influence decision-making.

the TRAINING

COURSE 1: Foundations of Data Science

If you want to work in the growing field of data science, and have some prior knowledge and experience of basic programming, this course is for you. You'll learn how to help organizations leverage the increasing variety and volume of data they own or can find on the Internet. You'll explore the evolution of the fields of data science and data analytics. You'll learn up-to-date techniques for data retrieval, preparation, analysis and visualization. Through hands-on exercises and group assignments, you'll build critical programming skills you can use in subsequent courses in the certificate program.

Learning Outcomes

- Understand the basic techniques, evolution, and promise of data science.
- Build hands-on skills in programming languages such as Python and SQL.
- Extract data from databases, websites, and social media.
- Store, clean, and analyze data using Pandas.

System Requirements

- Anaconda/Jupyter (software that you are required to install)
- Waterloo LEARN

Prerequisites

- A degree in Engineering, Mathematics, or Computer Science is recommended, but not required. Basic knowledge of programming and programming languages is strongly recommended

COURSE 2: Statistics for Data Science

Build on the skills you learned in Foundations of Data Science and get the basic statistical knowledge you need to successfully complete your Data Science Certificate. In this course, you'll explore probability and descriptive statistics, cover data analysis from both a classical and contemporary viewpoint, and learn to extract insights from datasets. Learn to form hypothesis, design experiments that collect valid data, test your hypotheses using statistical techniques, and work on causal models. Concepts are solidified through individual and group-based practical assignments.

Learning Outcomes

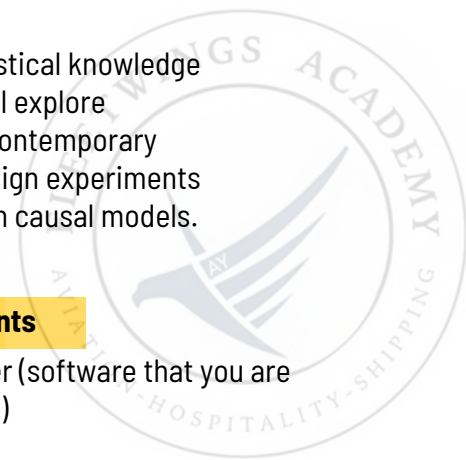
- Design experiments to collect data that helps answer business or scientific questions.
- Formulate statistical tests to answer business questions.
- Use multiple linear and logistic regressions as predictive models.
- Use Python for model-building.
- Cover data analysis from both classical and causal viewpoints.

System Requirements

- Anaconda/Jupyter (software that you are required to install)
- Waterloo LEARN

Prerequisites

- Successful completion of Foundations of Data Science OR a passing grade on the prior learning assessment for Foundations of Data Science, conducted by the University of Toronto, for equivalent skills.
- Students may only receive one prior learning assessment for the Data Science Certificate.



COURSE 3: Machine Learning

This course equips you with basic machine learning and artificial intelligence (AI) tools for mining datasets, and extracting insights for decision-making. You will learn how to identify correlations and patterns in datasets, build more sophisticated predictive models using machine learning and deep learning software, and evaluate the performance of those models through individual and group-based practical assignments.

Learning Outcomes

- Find correlations between variables in a dataset.
- Identify clusters in data, such as market segments.
- Predict future outcomes based on hidden relationships in historical data.
- Use tools to classify events or observations by type.
- Evaluate and combine models for best performance.

System Requirements

- Anaconda/Jupyter (software that you are required to install)
Waterloo LEARN

Prerequisites

- Successful completion of Foundations of Data Science and Statistics for Data Science OR a passing grade on the prior learning assessment for Foundations of Data Science or Statistics for Data Science, conducted by the University of Toronto, for equivalent skills.

COURSE 4: Big Data Management Systems and Tools

Big data involves massive data volumes and diverse data types. Modern organizations need people who can help implement the tools they need to deal with these huge data sets. In this course, you'll learn the technology of big data and build in-demand skills. You'll also get hands-on experience using up-to-date database management systems and tools, and practice the concepts presented through individual and group-based assignments. Get in on the explosion of new NoSQL technologies and big data tools including Hadoop, Spark, and Cassandra and work towards the completion of your Data Science certificate.

Learning Outcomes

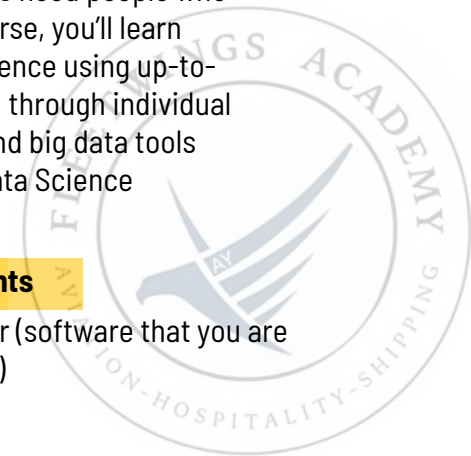
- Understand the architecture of reliable big data systems.
- Describe how they differ from traditional systems.
- Use several NoSQL database management systems.
- Address the many challenges of working with data at scale.
- Use tools such as MongoDB and Spark to process large datasets.

System Requirements

- Anaconda/Jupyter (software that you are required to install)
Waterloo LEARN

Prerequisites

- Successful completion of Foundations of Data Science OR a passing grade on the prior learning assessment for Foundations of Data Science, conducted by the University of Toronto, for equivalent skills.
- Working knowledge of Python.



COURSE STRUCTURE AND PROJECTS

COMBINATION OF LIVE SESSIONS AND INDEPENDENT LEARNING

- Complete the full certificate program through a combination of independent learning courses.
- Expect to spend 10 - 12 hours a week (per course) completing modules and group and individual assignments, including text-based modules in Jupyter Notebooks (part of the Anaconda distribution).
- Communicate with your instructor and classmates using shared group discussion boards.
- Access additional learning resources by attending live webinars, or review recordings when it best suits your schedule.



DESIGNED FOR YOU AND YOUR ORGANIZATION

- Build foundational programming skills to manipulate data, mine statistics, manage big data, solve important problems, and advance your career.
- Learn to think like a data scientist by analyzing and interpreting the complex data sets impacting the day-to-day operations of your business.
- Explore different ways to model and visually represent real-world data to lead or inform decision-making within your organization.

ASSESSMENTS AND PROJECTS

- In each course, learners will complete weekly text-based modules in Jupyter Notebooks and provide an opportunity to practice coding and working with data.
- Every course will have a number of group and individual assignments.
- Learners must achieve a passing grade (50 per cent or higher) for each course to be eligible to receive the certificate.



CERTIFICATE PROGRAM

DATA SCIENCE

GET TRAINED

FLEETWINGS ACADEMY is a professional education that's designed to be different. Positioned at the intersection of technology and business and deep rooted in experiential education, we will support the workforce of the future in continuously evolving to outpace major technological, societal, environmental, and economic disruption.

CONTACT US



+91 630 540 3007



ZEEYASINDIA@GMAIL.COM

