FLORIDA COASTAL UNIVERSITY
Empowering Minds | Inspiring Change

Take the next big step in your career journey.

Enrollment Intakes: September I January I May

Fully Online (Global Access) | Full-Time | Part-Time

Rolling Admissions - Apply Anytime

Master of Science in Computer Science - Data Science

- Fully Online & Flexible Learning
- Industry-Aligned Specializations
- Global Business Curriculum
- Real-World Capstone Project
- Collaborative & Interdisciplinary Approach
- Career-Ready Skills in Leadership, Tech, & Analytics

www.floridacoastaluniversity.com

The Master of Science in Computer Science (MS) – Data Science at Florida Coastal University is an advanced, industry-relevant program designed to develop future-ready data professionals. It blends rigorous technical training with hands-on applications to prepare students for today's fast-evolving, data-driven ecosystem.

Focused on big data analytics, machine learning, data engineering, and visualization, the Data Science specialization equips students to extract insights, build predictive models, and drive strategic decision-making. Graduates are prepared to lead in analytics, artificial intelligence, and business intelligence roles with confidence and integrity.

Program Overview

The Master of Science in Computer Science - Data Science program is structured as a 36-credit hour fully online degree that integrates foundational computer science knowledge with advanced specialization in data science. It is designed to develop a comprehensive understanding of big data analytics, statistical modeling, machine learning, data visualization, and data-driven decision-making, while also addressing the ethical and practical implications of handling information in the modern world.

Students gain valuable exposure to real-world technology scenarios through coding labs, data-driven simulations, capstone projects, and interactive coursework - all delivered via a flexible, student-centered online platform.

The program includes:

- 12 credit hours of core courses
- 18 credit hours in a data science specialization
- 06 credit hours of capstone project work

Why choose this program?

- Focused on real-world data science skills like machine learning, big data analytics, and visualization
- Combines advanced computer science, statistics, and business knowledge with intensive hands-on projects
- Includes simulations, labs, and capstone projects for practical, industry-ready experience
- Prepares you for analytical and leadership roles in AI/ML, business intelligence, and data engineering
- Builds problem-solving, decision-making, and analytical capabilities tailored to the data science and emerging technology sector

Florida Higher Education

Creating Opportunities within State

FLORIDA COASTAL UNIVERSITY
Empowering Minds | Inspiring Change

Why Florida Coastal University?

- **Approved:** Provisionally by the Commission for Independent Education (CIE), Florida
- **Affordable Tuition:** Designed for ambitious professionals, without financial burden
- **Work-Life-Academia Balance:** Learn at your own pace from anywhere in the world
- **Job-Aligned Curriculum:** Built for practical impact and career transformation
- **Global Network Access:** Connect with peers, alumni, and faculty across industries.

Career Pathways

Graduates of the Master of Science in Computer Science (MS) - Data Science program are equipped with advanced technical expertise and industry-aligned skills that prepare them for a wide range of specialized career opportunities across data-driven domains. Students can pursue the following roles:

- Data Scientist
- Machine Learning Engineer
- Business Intelligence Analyst
- Big Data Engineer
- AI / Data Analytics Consultant

Florida Higher Education

Creating Opportunities within State

www.floridacoastaluniversity.com

FLORIDA COASTAL UNIVERSITY
Empowering Minds | Inspiring Change

Curriculum Structure

- 12 credits of core business courses
- 18 credits in data science specialization
- 06 credits Capstone Project

Capstone Experience

The Capstone Seminar and Project are the culmination of the MSCS program. Students work on real-world cybersecurity challenges or cutting-edge research aligned with their specialization. Deliverables include:

- Problem identification and literature review
- Design and development of a data-driven solution prototype
- Final presentation and report submission
- Faculty and peer feedback integration

Email us at

admission@floridacoastaluniversity.com

Creating Opportunities within State

The University is Provisionally Licensed by CIE and Exploring Accreditation Options