

**Take the
next big step
in your career journey.**



Enrollment Intakes: September | January | May
Fully Online (Global Access) | Full-Time | Part-Time
Rolling Admissions - Apply Anytime

Doctorate of Computer Science (DCS) - Data Science

Fully Online & Flexible Learning

Industry-Aligned Specializations

Global Business Curriculum

Real-World Capstone Project

Collaborative & Interdisciplinary Approach

Career-Ready Skills in Leadership, Technology, & Analytics

The Doctor of Computer Science (DCS) - Data Science at Florida Coastal University is a terminal, research driven program designed to develop technology leaders, innovators, and scholars capable of advancing the frontiers of computing. It blends rigorous research with applied innovation to prepare professionals for the complex, evolving demands of the digital age.

Focused on advanced computing architectures, artificial intelligence, data science, cybersecurity, and emerging technologies, the DCS program equips candidates to create innovative solutions, lead high impact research initiatives, and influence the future of technology strategy. Graduates are prepared to excel in senior leadership, academic, and research intensive roles with confidence and integrity.



Program Overview

The Doctorate of Computer Science (DCS) - Data Science at Florida Coastal University is a 60 - credit, fully online terminal, research-driven program designed to develop senior data science leaders, innovators, and scholar-practitioners who can bridge advanced research with complex data driven solutions. It blends rigorous academic research with applied problem solving to prepare professionals for today's analytics-focused, global business and technology challenges.

Focused on big data analytics, machine learning, statistical modeling, and evidence-based decision-making, the DCS - Data Science program equips candidates to generate new insights, influence policy, and lead high impact organizational innovation. Graduates are prepared to take on top leadership, consulting, academic, and research roles with confidence and integrity.

The program includes:

- 30 credit hours of Core Courses
- 18 credit hours of Data Science Specialization Courses
- 12 credit hours of Dissertation Research

Why choose this program?

- Focused on advanced computing, research, and innovation across AI, data science, cybersecurity, and IoT
- Combines doctoral level research with real world applications to solve complex technology challenges
- Includes doctoral research seminars, residencies, and a dissertation addressing high impact computing problems
- Prepares you for leadership roles in research labs, technology organizations, and academia
- Builds analytical, problem-solving, and research capabilities tailored to next-generation computing and innovation



**Florida
Higher
Education**

**Creating
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Why Florida Coastal University?

- **Approved:** Provisionally licensed by the Commission for Independent Education (CIE), Florida
- **Affordable Tuition:** Designed for ambitious professionals
- **Work-Life-Academic 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 and faculty across industries.

Career Pathways

Graduates of the DCS - Data Science program are equipped with advanced research expertise and strategic data leadership capabilities that open doors to senior roles across global corporations, research institutions, and academia. Career paths for graduates with a DCS - Data Science degree can include:

- Chief Data Officer (CDO) / VP of Data Strategy
- Senior Data Scientist / Machine Learning Consultant
- Business School Faculty or Academic Researcher in Data Science
- Corporate Data Governance and Analytics Advisor
- Director of Data Engineering, AI, or Predictive Modeling



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Curriculum Structure

- 30 credit hours of Core Courses
- 18 credit hours of DCS - Data Science Courses
- 12 credit hours of Dissertation Research

Dissertation Experience

The heart of the DCS - Data Science program is the dissertation, where students:

- Identify a real world data science challenge
- Conduct applied, research driven analysis
- Propose innovative, algorithmic, and data driven solutions
- Defend their findings before a dissertation committee

Email us at

admission@floridacoastaluniversity.com



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