



Chief Data Officer



The Chief Data Officer (CDO) Certificate provides graduate-level education for those involved in establishing, enabling, or running programs related to data strategies, data governance, data analytics, or data management across the Department of Defense and federal government. It provides a certificate which balances development of technical knowledge and skills fundamental for data analysis, as well as leader-oriented principles and techniques critical for data-empowered government organizations. The program is designed for students with diverse undergraduate backgrounds and work experience, enabling them to become strategic leaders skilled in building, developing and running data mature organizations and leveraging data as a strategic resource for national security.

Successful CDO graduates will be able to:

- Apply data analytics tools and methodologies on data sets and communicate results with impactful visualizations.
- Advocate and communicate data sharing practices through organizational culture, policies, and systems development process, while fulfilling legal and ethical obligations of data ownership.
- Evaluate enabling technologies and enterprise/data architectures to address requirements for data analytics programs, including real-time Big Data processing and machine learning/predictive analytic capabilities.
- Create a data analytics program through data governance initiatives that support all data life-cycle considerations (e.g., authoritative source consolidation, updating, purging/avoiding sprawl, and archival).
- Employ emerging technologies (and underlying data) to enhance data-driven decision-making for strategic effect.
- Identify, shape, and formulate Data Strategies that ensure data availability and transparency, supporting multi-agency and/or multi-national collaboration.

CDO Certificate

Courses are based on current data strategy and analytics competencies. Students earn the Chief Data Officer Certificate by successfully completing five (5) courses.

Minimum Admissions Eligibility Criteria:

- Bachelor's degree (3.0 GPA minimum)
- Civil service pay grade of GS-13 or officer rank of O-4

For more information refer to the CIC website.

Chief Data Officer Certificate Course Requirements (5 Courses)

Core Required	Courses	
	CIC-6420	Data Analytics for Leaders
	CIC-6414	Data Management Strategies and Technologies
	CIC-6419	Data Strategy and Governance
	CIC-6163	Warfighting and Disruptive Technologies
	CIC-6415	Strategic Information Technology Acquisition

