

# DSA

## Data Strategy and Analytics



The College of Information and Cyberspace (CIC) Data Strategy and Analytics (DSA) program provides graduate-level education for those enabling data governance, data analytics, or data management across the defense business enterprise and federal government. It provides a certificate balancing both development of technical knowledge and skills fundamental for data analysis, as well as leader-oriented principles and tactics 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 in the rapidly growing fields of Data Management and Analytics.

### Required Courses

Courses are based on current data strategy and analytics competencies. Students earn the Data Strategy and Analytics Certificate by successfully completing six (6) courses:

**DAL (6420):** Data Analytics for Leaders

**DMG (6323):** Decision Making for Government Leaders

**DMS (6414):** Data Management Strategies and Technologies: A Managerial Perspective

**EIT (6442):** Emerging Technologies

**ITA (6415):** Strategic Information Technology Acquisition

**MAC (6512):** Multi-Agency Information-Enabled Collaboration

### Course Sequence

| Semester 1   | Semester 2 | Semester 3 |
|--|------------|------------|
| DMS (6414)   | DAL (6420) | MAC (6512) |
| <b>Flexible:</b> EIT (6442), ITA (6415), DMG (6323)* |            |            |

- DAL (6420) has a pre-requisite of DMS (6414),
- MAC (6512) has a pre-requisite of DAL (6420), but should be taken as late in the program as possible,
- EIT (6442), ITA (6415), and DMG (6323) can be taken anytime, but are best taken earlier in the program.

#### 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.