College of Information and Cyberspace
Schedule of Courses
Academic Year 2023-2024
Fall Semester

CONTACT DIRECTORY

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Welcome

Located at Fort Lesley J. McNair on the Washington, DC waterfront, the College of Information and Cyberspace (NDU CIC) is the largest of five graduate-level colleges that comprise the National Defense University.   The CIC educates future thought leaders and change agents who will make the difference in government and strives to meet your workforce education needs for information leadership and management.

The CIC Office of Student Services processes admissions and registration, maintains students' academic records, and publishes the CIC *Schedule of Courses*. The Office of Student Services also manages the admission and enrollment systems used by students, faculty, and advisors.

Information about our programs and courses is available on our website at https://cic.ndu.edu/. Please let us know if you need additional information by contacting the Office of Student Services at 202-685-6300 or by email at CICOSS@ndu.edu.

ENROLLMENT PROCEDURES

Course Registration
Students who are admitted to the CIC at NDU will be sent detailed instructions regarding course registration, account information for online systems, and advisor information. In order to be registered for a course, a course request form must be completed for each enrollment requested. The course request form is available on the CIC website at https://cic.ndu.edu/Current-Students/Student-Registration/.

Members of special program cohorts will receive registration instructions from the program director.

IA Compliance and Registration
The National Defense University (NDU) provides all of its students with access to the Internet, wireless networks, curricula, and research tools -- all via Department of Defense (DoD) Information Systems. Access to NDU information systems is predicated on user compliance with DoD/NDU cybersecurity regulations. Students will not be enrolled in a course until all IA compliance requirements have been met and confirmed by NDU IT. Non-compliant students will be placed on the course waitlist until compliance is confirmed. Compliance instructions can be found on the CIC website at http://www.ndu.edu/Students/IA_NonJPME/.

Confirmation of Course Registration
Students will receive a course status email (enrolled/waitlisted) within 7 to 10 business days of their course request. The CIC may send additional reminders and attendance confirmation requests prior to the course start date. Students should promptly respond to requests for information.

Multiple Registrations Policy
Students may register for two DL courses concurrently. Students on an academic probation status must seek permission for entry to multiple DL offerings. Requests must be submitted to the CIC Office of Student Services in writing (CICOSS@ndu.edu; Fax: 202-685-4860) no later than 2 weeks prior to the course start date.

Registration Periods
Registration opens on the dates below and will close on the Thursday prior to the Course Start Date (CSD).

Semester	Registration Opens	Registration Closes
FALL September 2023 – December 2023	July 22, 2023	September 4, 2023
SPRING January 2024 – March 2024	October 15, 2023	January 2, 2024
SUMMER April 2024 – July 2024	February 15, 2024	April 22, 2024

CONFIRMATION OF ENROLLMENT & CONTACT INFORMATION VALIDATION
Students who successfully register for a course section will receive a class acceptance notice to their preferred email address of record.

Please ensure the following contact information is up-to-date with the Office of Student Services:
- Preferred Email Address
- Preferred Contact Telephone Number
- Current Employer

The CIC will make every effort to reach the student prior to taking a drop action should the course section be cancelled. Students are encouraged to contact the Office of Student Services at any time prior to the Course Start Date to verify enrollment or to update contact information.

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NDU CIC Office of Student Services
202-685-6300
CICOSS@ndu.edu

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COURSE AVAILABILITY IN BLACKBOARD
Each course section has a site on the CIC's online learning platform, Blackboard. This site will be available to students on the Friday before the Course Start Date. Students must access Blackboard and sign in immediately following the Course Start Date to begin course work. Please note that students will NOT see their course registration in Blackboard until noon on the Friday before the course start date.

DROP POLICY

Students may dis-enroll at any time prior to the Course Start Date (CSD) via email notification to the Office of Student Services. Students who seek to withdraw from a course after the course start date must complete a Course Withdrawal Form. The form is available on the CIC website at https://cic.ndu.edu/Current-Students/Student-Registration/.

In accordance with academic policy, any drop on or after the Course Start Date will result in a grade being assigned in the course. See the online CIC Catalog for the complete grading policy.

Course Models

NOTE
Each course section has a site on the CIC's online learning platform, Blackboard. This site will be available to students at **12:00pm (noon) on the Friday before the Course Start Date for Distributed Learning (DL) courses.** Students must access Blackboard and sign in immediately following the Course Start Date.

NDU CIC Fall 2023 *Intensive Courses* will be offered in the following format:
Distributed Learning.

Distributed Learning (DL)

The Distributed Learning (DL) format engages students and faculty virtually over 12 weeks via Blackboard. Most DLs are asynchronous with a few optional live synchronous sessions weaved in for guest speakers etc., most synchronous sessions will be recorded for student who can't attend. During the 12 weeks student engage in weekly lessons, assignments and discussion boards. Each course will end with a final assessment which is typically a substantive paper or project that allows students to demonstrate their mastery of the intended learning outcomes. To receive credit for a course, students must be actively engaged virtually in every DL lesson as assigned by faculty.

DL	Last Day to Withdraw
9/11/2023 – 12/03/2023	10/02/2023

Key Terms

Key terms found in the *Schedule of Courses* or website:

- **Course Number –** Course Number is the four-digit identifier of the class. For example, for the course titled "Continuation of Operations," the Course Number is 6504. The Course Number can be found in the Class Listing section of the *Schedule of Courses* and in the Course Listing page of the CIC website.

- **Course Start Date –** The Course Start Date of a class is the first day of the active learning period. All courses (e-Resident and DL) will require active engagement with the faculty effective this date. See the *DL Format* definition above.

- **Course End Date –** The Course End Date is the final day of the active learning period. See the *DL Format* definition above.

- **Student Arrival** – The Student Arrival date represents the start date of the face-to-face portion of the class. There is no face-to-face portion for Distributed Learning courses. See the *DL Format* definition above.

- **Student Departure** – The Student Departure date represents the end date of the face-to-face portion of the class. There is no face-to-face portion for Distributed Learning courses. See the *DL Format* definition above.

Please recall that the last day to withdraw from a course with a grade of 'W' is:
Distributed Learning - The Monday of the 4th week of class:

DL	Last Day to Withdraw
9/11/2023 – 12/03/2023	10/02/2023

CIO (6303) – CIO 2.0 Roles and Responsibilities

Students in the CIO 2.0 course examine the essential analytic, relational, technological, and leadership competencies that government CIOs and their staffs need to respond to and shape the 21st Century environment. Students assess the high information and IT demands of customers; examine the potential and perils of ubiquitous technology and information saturation; and weigh the tradeoffs of resource constraints, legal and policy mandates, and security in an open environment.

Section	Course Start Date	On Campus		Course End Date	Format/Comment
		Student Arrival	Student Departure		
01	9/11/2023	DL	DL	12/03/2023	Distributed Learning

CSF (6211) – Cyber Security Fundamentals

This course provides an overview of the fundamentals of cybersecurity from the perspective of a DoD or federal agency senior leader. The course provides a foundation for analyzing the cyber and information security of information systems and critical infrastructure. Law, national strategy, public policy, and risk management methodologies are examined for assuring the confidentiality, integrity, and availability information systems and asset.

Section	Course Start Date	On Campus		Course End Date	Format/Comment
		Student Arrival	Student Departure		
01	9/11/2023	DL	DL	12/03/2023	Distributed Learning

DMS (6414) – Data Management and Strategies

This course explores the concepts of data management and the data lifecycle as key components for improving mission effectiveness through the development of enterprise-wide and local data management programs and analytic solutions. It examines management issues such as data governance and organizational information behaviors and values. The course uses the data lifecycle framework to explore big data, data analytics, and enabling information technologies and methodologies from a senior leader perspective. Case studies allow students to explore data management issues and implementation. While geared for managers, the course provides sufficient insight into the underlying technologies to ensure that students can evaluate the capabilities and limitations of data management options and strategies.

Section	Course Start Date	On Campus		Course End Date	Format/Comment
		Student Arrival	Student Departure		
01	9/11/2023	DL	DL	12/03/2023	Distributed Learning

DSG (6419) – Data Strategy and Governance

This course explores data strategy and data governance as key components for operationalizing data as a strategic asset to enable more effective and efficient organizations. It examines the principles, essential capabilities, and goals set forth in Federal agency data strategies and the governance processes necessary to achieve those goals. Case studies allow students to explore the real-world benefits of data governance policies, standards and practices and how they are implemented. The course is designed to provide leaders with the knowledge, skills, and attributes to develop and assess data strategies and governance programs for their organizations that enable data discovery and sharing and facilitate innovation.

| Section | Course Start Date | On Campus | | Course End Date | Format/Comment |
		Student Arrival	Student Departure		
01	9/11/2023	DL	DL	12/03/2023	Distributed Learning

EDT (6443) – Emerging and Disruptive Technologies

This course examines the core concepts of information technology and its rapidly expanding role in solving problems, influencing decision making and implementing organizational change. Students will be introduced to an array of emerging technologies at various levels of maturity. Students analyze how emerging technologies using qualitative and quantitative evaluation methods. Student assess emerging technologies using forecasting methodologies such as monitoring and experts' opinion, examining future trends, and assessing international perspectives.

| Section | Course Start Date | On Campus | | Course End Date | Format/Comment |
		Student Arrival	Student Departure		
02	9/11/2023	DL	DL	12/03/2023	Distributed Learning

IWS (6151) – Information Warfare Strategies

This course provides theories, frameworks, and tools for strategic planning and strategy execution. It weds direct and indirect methods of influence. Upon successful completion, students will be able to plan and implement strategies with emphasis on the information instrument of state power in a way that is practical, actionable, and intrepid. These strategies support every warfighting function and all the instruments of state power.

| Section | Course Start Date | On Campus | | Course End Date | Format/Comment |
		Student Arrival	Student Departure		
05	9/11/2023	DL	DL	12/03/2023	Distributed Learning
06	9/11/2023	DL	DL	12/03/2023	Distributed Learning

NSS (6159) – National Security Strategies

In this course, students gain understanding of the origins, formulation, and application of national security strategic logic to the cyber domain and information environment. In so doing, students comprehend their role and duty in the greater tradition of national security strategy, while gaining appreciation of the value they will bring as practitioners of national security strategy for cyber and information. Through the use of readings, case studies, exercises and writing assignments, participants will assess how strategic logic can be used to define context and desired ends, identify necessary means, design ways, and assess costs, risks and viability, with specific focus on the global cyber domain and information environment. Upon completion of NSS, students will be strongly positioned to apply discerning and incisive strategic analysis to their thesis projects, the balance of the courses they will take at CIC and NDU, and in their future careers as professional strategic analysts and leaders.

| Section | Course Start Date | On Campus | | Course End Date | Format/Comment |
		Student Arrival	Student Departure		
05	9/11/2023	DL	DL	12/03/2023	Distributed Learning

SCIE (6166) – Strategic Competition in the Information Environment

In this course, students will analyze how information and cyberspace operations are integrated into joint warfare and theater campaign strategies. Students will explain what is needed to operationalize information and cyber power for theater strategy and campaigning using joint planning systems and processes. Finally, students will create and propose military actions for campaigns, operations, and activities in the Information Environment and Cyberspace to achieve strategic and operational objectives.

| Section | Course Start Date | On Campus | | Course End Date | Format/Comment |
		Student Arrival	Student Departure		
05	9/11/2023	DL	DL	12/03/2023	Distributed Learning

SEC (6201) – Cyber Security for Information Leaders

This course exercises strategic leadership and critical thinking in the development and use of cybersecurity strategies, plans, policies, enabling technologies, and procedures in cyberspace. It especially explores concepts and practices of strategic thinking and decision-making in leading cyber operations. This course explores network security, threats, vulnerabilities, and risks with the help of specific cases. It analyzes major challenges in cyberspace, assesses specific challenges for cyber leaders, and examines offensive and defensive cyber operations. It provides cyber leaders with an opportunity to explore the intersection of academic and practical, operational knowledge.

| Section | Course Start Date | On Campus | | Course End Date | Format/Comment |
		Student Arrival	Student Departure		
01	9/11/2023	DL	DL	12/03/2023	Distributed Learning

SLF (6168) – Senior Leader Foundation Course

This course provides students with a common intellectual foundation essential for success in the College of Information and Cyberspace curriculum and longer-term success as senior leaders. The course will provide a foundation to develop the skills for creative and critical thinking; explore the concepts, principles, and skills to help understand the global security environment and address the challenges of strategic leadership; introduce students to the Joint Force and the strategic aspects of Joint Professional Military Education; and provide a foundation in cyberspace fundamentals and information theory and strategic principles.

| Section | Course Start Date | On Campus | | Course End Date | Format/Comment |
		Student Arrival	Student Departure		
05	9/11/2023	DL	DL	12/03/2023	Distributed Learning

SPB (6328) – Strategic Performance and Budget Management

This course is an executive-level view of strategic planning, performance management, and performance budgeting in public-sector organizations. Using the Government Performance and Results Act and Kaplan & Norton's Balanced Scorecard as frameworks, students examine the linkage of mission to strategic planning, performance management, measurement, operational strategies, initiatives, and budgets to support senior-level decision making. Emphasis is on transparency, outcomes, and linkage between organizational performance and the organization's budget. With this critical understanding, students develop leadership strategies that shape fiscal budgets to achieve agency strategic outcomes.

| Section | Course Start Date | On Campus | | Course End Date | Format/Comment |
		Student Arrival	Student Departure		
01	9/11/2023	DL	DL	12/03/2023	Distributed Learning

STC (6164) – Strategic Thinking and Communication

This course provides students with an introduction to graduate-level research, writing, and communication, with a particular focus on the critical and creative thinking that drives strategic decision-making. In support of the NDU and CIC missions, the goal is to enrich strategic thinking and provide support throughout the program for both writing and oral communication. This is the course where students can fully synthesize what they have learned across all their courses and articulate the ideas that will help them succeed beyond CIC.

| Section | Course Start Date | On Campus | | Course End Date | Format/Comment |
		Student Arrival	Student Departure		
05	9/11/2023	DL	DL	12/03/2023	Distributed Learning

Class Schedule by Date

Course Number	Abbreviation	Section	Course Start Date	On-Site Course Start Date	On-Site Course End Date	Course End Date
6303	CIO	01	9/11/2023	DL	DL	12/03/2023
6211	CSF	01	9/11/2023	DL	DL	12/03/2023
6414	DMS	01	9/11/2023	DL	DL	12/03/2023
6419	DSG	01	9/11/2023	DL	DL	12/03/2023
6443	EDT	02	9/11/2023	DL	DL	12/03/2023
6151	IWS	05	9/11/2023	DL	DL	12/03/2023
6151	IWS	06	9/11/2023	DL	DL	12/03/2023
6159	NSS	05	9/11/2023	DL	DL	12/03/2023
6166	SCIE	05	9/11/2023	DL	DL	12/03/2023
6201	SEC	01	9/11/2023	DL	DL	12/03/2023
6168	SLF	05	9/11/2023	DL	DL	12/03/2023
6328	SPB	01	9/11/2023	DL	DL	12/03/2023
6164	STC	05	9/11/2023	DL	DL	12/03/2023