

NDU iCollege



NATIONAL DEFENSE UNIVERSITY



Command Brief
June 2015



THE CHAIRMAN'S UNIVERSITY





Mission and Vision



NDU Mission

NDU supports the joint warfighter by providing rigorous JPME to members of the US Armed Forces and select others in order to develop leaders who have the ability to operate and creatively think in an unpredictable and complex world.

iCollege MISSION (updated March 2015)

Educate and prepare selected military and civilian leaders and advisors to develop and implement cyberspace strategies, and to leverage information and technology to advance national and global security.

VISION

The global hub for educating, informing, and connecting Information Age leaders.

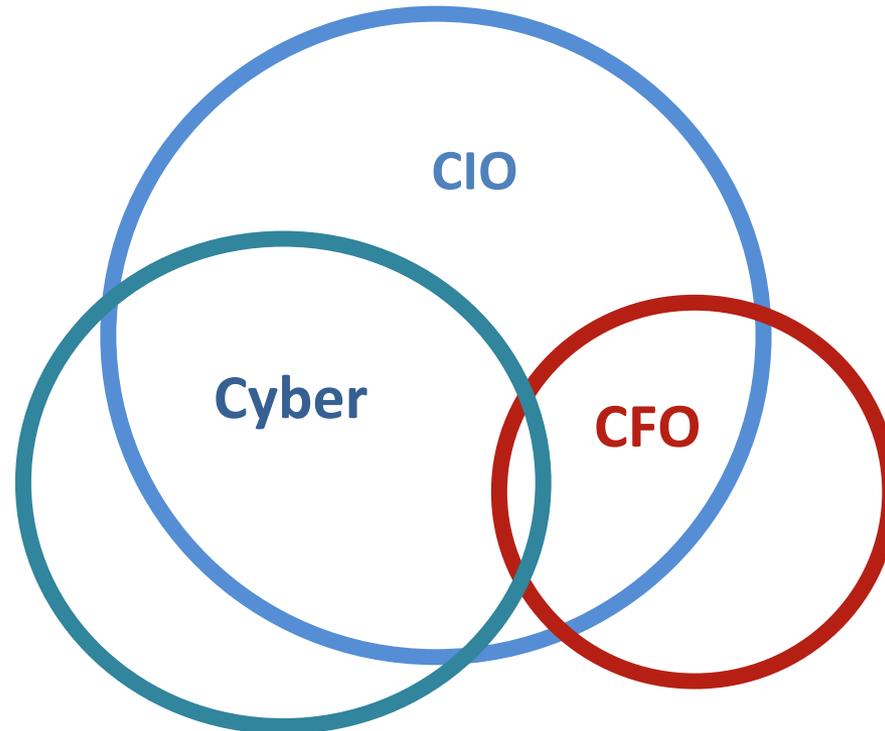




iCollege Focus



**Information, IT, Cyber and Financial Management
for
Mid to Senior government Leaders/Decision Makers**



Information Component of National Power





iCollege Niche



iCollege is NOT

- Technical School
- Just for IT operators and “geeks”

iCollege prepares graduates to step into the strategic level

- Understand the security environment and the contribution of the instruments of national power
- Shape tomorrow by understanding and leveraging commander’s intent and key information and IT enablers
- Lead, anticipate, and respond to change
- Recognize and manage risk amidst uncertainty
- Effectively communicate with leaders and decision makers
- Make ethical decisions based on the shared values of the Profession of Arms





Career Long Learning Program Options



MS Degree
36 Credits

Certificates
18 Credits

Professional
Development



[CIO - Chief Information Officer](#)

(CIO & staffs: 1994)



[CFO - Chief Financial Officer](#)

(CFO & staffs: 2008)



[Cyber L - Cyber Leadership](#)

(CIO, Cyber/IT Workforce: 2011)



[Cyber S - Cyber Security](#)

(CIOs, IA & staffs: 2000)



[ITPM - IT Program Management](#)

(CIO, IT AQ workforce: 2006/08)



[EA - Enterprise Architecture](#)

(CIOs, EA workforce: 2005)

[JPME \(Pilot\) - Cyber Strategy](#)

(JPME, AY16)



Government Information Leadership Master of Science Degree



- 36 credits (11 courses + Capstone)
- Combination of Information, IT, cyber or CFO expertise, management and leadership
- Seven (7) Concentrations:
 - Chief Information Officer (CIO)
 - Chief Financial Officer (CFO)
 - Cyber Leadership (Cyber-L)
 - Cyber Security (Cyber-S)
 - Enterprise Architecture (EA)
 - IT Program Management (ITPM)
 - Cyber Strategy (Pilot JPME II Senior Service School)



Chief Information Officer (CIO) Certificate



- Six, 3-credit courses (18 graduate credits)
- CIO certificate program develops graduates in the leader competencies designated by the:
 - Cross-agency federal CIO Council competencies aligned with the Clinger-Cohen Act (1996)
 - National Cybersecurity Workforce Framework (NICE)
 - DoD Cyber Workforce Strategy
- CIO Certificate – 4 core courses + 2 electives
- Master of Science Degree - CIO Concentration



Chief Financial Officer (CFO) Leadership Certificate



Strategic Finance Core (4 required core)

CFF - Changing World of the CFO

FFR - The Future of Federal Financial Information Sharing

RIA - Risk Management, Internal Controls & Auditing for Leaders

BCP - White House, Congress, and the Budget

Electives (choose 2)

All - Information Assurance & Critical Infrastructure Protection

ARC - Enterprise Architecture for Leaders

COO - Continuity of Operations

DMG - Decision Making for Government Leaders

DMS - Data Management Strategies and Technologies

IPL - Information Technology Program Leadership

ITP - Information Technology Project Management

LDC - Leadership for the Information Age

MAC - Multi-Agency Information-Enabled Collaboration

OCL - Organizational Culture for Strategic Leaders

PFM - Capital Planning and Portfolio Management

PRI - Strategies for Process Improvement

SEC – Cyber Security for Information Leaders

SPB - Strategic Performance and Budget Management

WGV - Web-Enabled Government

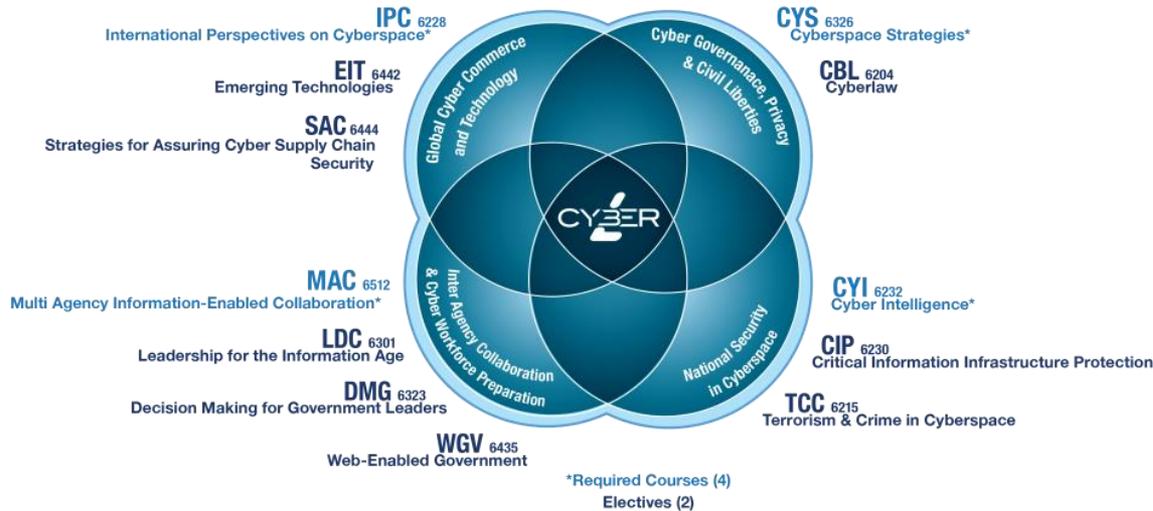
CFO Leadership certificate program

- Six, 3-credit courses (18 graduate credits)
- Prepares graduates to lead at the enterprise level by linking critical decisions regarding resources, people, processes, and technologies to mission performance, information assurance, and financial systems security requirements
- Focuses on unique challenges and opportunities facing government CFOs and their staff in the present and future
- Supported by Undersecretary for Defense (Comptroller) in collaboration with the CFO Council
- Strategic leader program for GS 14s/15s with financial management background
- MS Degree, CFO concentration





Cyber Leadership (Cyber-L) Certificate



- The **Cyber-L Program** develops the **strategic leadership** attributes and **knowledge** to:
 - ✓ Employ critical, strategic, ethical, and innovative thinking to lead 21st Century organizations
 - ✓ Exercise strategic leadership and critical thinking in the development and use of cyberspace, information, and information technology as an instrument of national power
 - ✓ Understand the technology and processes that create and support the man-made terrain that underpins information and cyberspace operations
 - ✓ Facilitate collaboration and integration of cyberspace and information technology capabilities in a multi-stakeholder environment
 - ✓ Integrate cyberspace information in planning, and conduct cyberspace operations to achieve, the objectives identified in national security policies, military strategy, and joint operations
- Six, 3-credit courses (18 graduate credits) – Cyber-L Certificate – 4 required courses + 2 electives
- Master of Science Degree – Cyber Leadership Concentration



Cyber Security (Cyber-S) Certificates



- 5 nested Cyber Security certificate programs (4011, 4012, 4015, 4016, CISO) in 3, 4, or 6 courses, prepare graduates to:
 - Develop and use cyber security strategies, plans, policies, & technologies
 - Lead programs to provide risk analysis, security incident management, & disaster recovery
 - Promote and attain national security, agency, & inter-agency goals through development of an enterprise cyber security program.
- Master of Science Degree - Cyber Security Concentration





IT Program Management Certificate

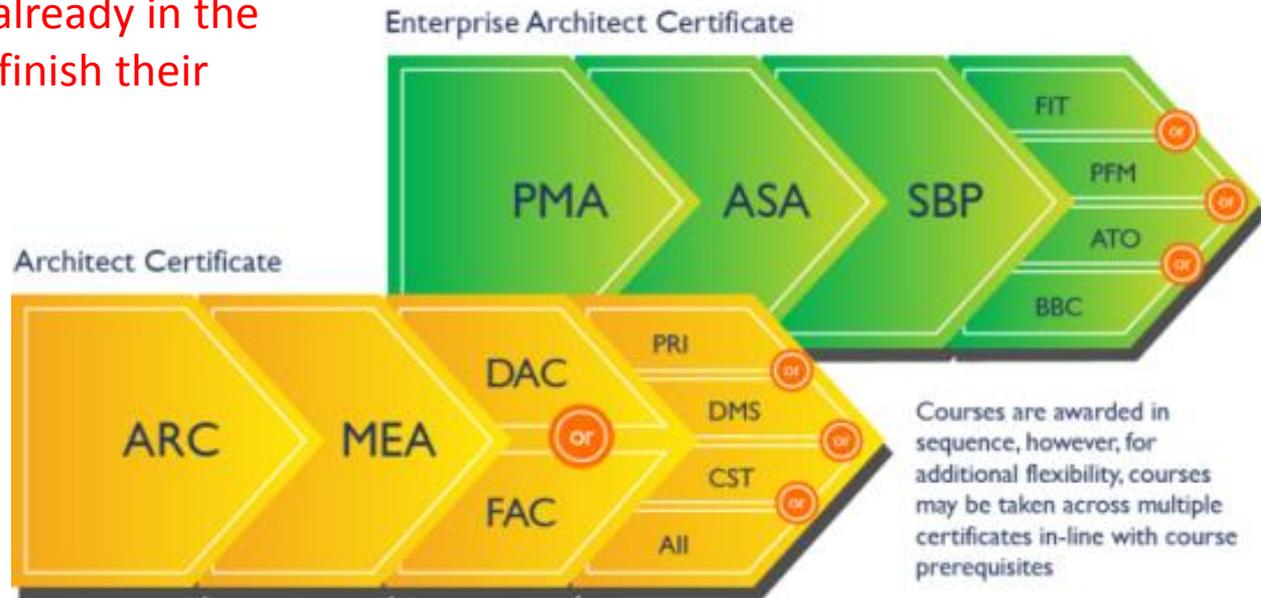


- IT Program Management certificate program develops graduates in:
 - Project and program leadership skills
 - IT program management concepts & methods
 - IT issues and developments
- Six, 3-credit courses (18 graduate credits)
- Master of Science Degree - IT Program Management Concentration



Enterprise Architecture (EA) Certificates

NOTE: This program is phasing out during AY16. Students already in the program can continue/finish their EA certificate.



- 2 EA certificate programs (Architect – 4 courses, Enterprise Architect – 4 courses) prepare graduates to:
 - Lead the development, implementation, and management of an EA.
 - Leverage people, capabilities, and technology to support current & target environments.
- Master of Science Degree - EA Concentration





Flexible Learning Options to Meet Learner's Ops Tempo & Education Needs



On-line, On-campus or On-site Full or Part time

← Educating →

Informing

Connecting

**Full-Time
CIO Leadership
Development Program
CIO Certificate**

**Full-Time
Cyber Leader
M.S. Degree
Pilot JPME II**

**Courses at
Fort McNair &
Combatant Commands**

**On-Line
Distributed Learning
Courses**

Capacity Building

**Conferences,
Symposia, &
Special Events**

- 14 weeks at NDU Ft McNair
- Offered fall and spring
- Cohort
- Courses + field studies
- DoD civilian and military, Government, interagency, international, and private sector students

- 10 months at NDU Ft McNair
- Aug start; Jun graduation
- Cohort
- Courses across NDU + field studies
- DoD civilian and military, Government, interagency, international, and private sector students

- eResident
- 1 week online lesson +
- 1 week face-to-face interactive seminar +
- 3 weeks to complete synthesis and academic assignments

- 12 weeks online
- Interactive seminar based
- Team work and individual assignments
- Global, 24/7 access
- Frequent requests for demonstrations of model and best practices

- Tailored events (NDU or on site)
- Teach in US CYBERCOM and AFIT courses
- Teach AF Cyber 400
- Teach Comptroller Prof Develop courses
- Faculty scholarly publications and presentations

- Conferences and symposia
- Networking with experts, leaders, and NDU alumni
- Career long learning events for NDU alumni and others



Academic Partnership Options



NDU iCollege Academic Partners accept 9-to-15 graduate credits for the iCollege 's certificates into selected Master's and Doctoral Degree Programs

- Auburn University
- Cal State San Bernardino
- Capitol Technology University
- Central Michigan University
- East Carolina University
- Florida Institute of Technology
- Fort Hays State University
- George Mason University
- Global Information Assurance Certification (SANS Institute)
- Illinois Institute of Technology
- James Madison University
- Johns Hopkins University
- Missouri University of Science & Technology
- New Jersey City University
- New Mexico Tech
- Northeastern University
- Pace University
- Regis University
- San Diego State University
- Southern Methodist University
- Syracuse University
- University of Arkansas at Little Rock
- University of Detroit Mercy
- University of Illinois at Springfield
- University of Maryland Baltimore County
- University of Maryland University College
- University of Nebraska at Omaha
- University of North Carolina at Charlotte
- University of Texas at San Antonio
- University of Tulsa
- University of Washington
- Walsh College





Private Sector Partnerships



- ❖ Best Practices
- ❖ Lab Equipment
- ❖ Practicum
- ❖ Guest Speakers
- ❖ Students
- ❖ Conference Participation

- Local DC Relationships:
 - Google, Cisco, Sprint, Edge Technologies, LM, Marriott, Armedia, Decision Lens, Vion, EMC, KPMG, Kearney & Co., PWC, AFCEA (non profit)
- Seattle Domestic Field Studies:
 - Boeing, Costco, REI, Microsoft, University of Washington, Seattle Childrens' Hospital, City of Seattle (IT Dept), Starbucks
- San Francisco Domestic Field Studies:
 - Google, Apple, Prezi, Ideo, Lucid, Splunk, NexGate, University of California San Francisco, City of San Francisco (IT Dept)





Contacts



- **RADM (Ret.) Janice Hamby, Chancellor;** Janice.m.Hamby.civ@ndu.edu
- **Dr. Mary McCully, Dean of Faculty and Academic Programs;** mccullym@ndu.edu
- **COL Matt Hergenroeder, Dean of Students;** matthew.hergenroeder@ndu.edu
- **Mr. Russell Quirici, Dean of Operations, CIO LDP Director;** Russell.Quirici@ndu.edu
- **Office of Student Services;** 202-685-6300; iCollegeOSS@ndu.edu
- **NDU iCollege Website:** <http://icollege.ndu.edu>
- **Mailing Address:**
National Defense University
Information Resources Management College
Building 62, Marshall Hall
300 5th Avenue
Fort McNair, DC 20319-5066

