

Information Resources Management College



**Professional Development Opportunities
for Army Personnel**



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Purpose

To describe professional development opportunities available for Department of the Army CIOs/CIAOs and their senior staffs



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MISSION

Prepare military and civilian leaders to direct the information component of national power by leveraging information and information technology for strategic advantage



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The IRM College at a Glance

- **College of National Defense University, Ft McNair, DC**
- **Primary DoD institution to educate CIOs/CIAOs and senior staffs**
- **Core competencies reflect contemporary thinking/ emerging technologies/best practices**
 - Implement Clinger-Cohen Act and GISRA
 - Address critical issues relative to information management, technology, assurance, operations, and acquisition
- **Reflect high quality standards**
 - Accredited graduate-level educational institution/Cooperative degrees
 - NSA Center of Academic Excellence in Information Assurance
 - Certified for NSTISSI Standard 4011
 - Best practice institution (Corporate University Xchange)
- **Options for senior officers (O-4+), civilians (GS-12+) , industry, international**



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Program Participants

- 35% Military
- 40% DoD Civilian
- 24% Federal Agency
- 1% Industry/International
- Average Military Grade – 05 +
- Average Civilian Grade – GS 14 +



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Information Resources Management College Programs

- Chief Information Officer Certificate Program
- Information Assurance Certification (NSTISSI Standard 4011)
- eGovernment Leadership Certificate
- Senior JPME Concentration and Electives
- DoD Information Assurance Scholarship Program



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CIO Certificate Program Highlights

- Endorsed by DoD CIO
- Responds to Clinger-Cohen Act requirements
- Flexibility based on individual and organizational needs
- May include information assurance concentration (4011 certification)
- Allows for 15 hours for cooperative Master's and PhDs
- May complete program in residence or through web-based DL
- **Free** for DoD



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CIO Certificate Program

(continued)



- Courses build on federal competencies
- Courses relate to eleven competency areas
- Includes primary and enrichment courses
- Alternative delivery methods
 - Eight intensive courses (Resident and DL option)
 - OR
 - Advanced Management Program
 - OR
 - Electives + intensives



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Courses Selected from a Cross-section of Competencies

- 2 mandatory primary courses
 - Policy
 - Performance and Results-Based Management
- 4 additional primary courses from different subject areas
- 2 additional primary or enrichment courses from any subject area





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CIO Certificate Program Option 1 Intensive Courses

- **Eight courses total (IA Concentration = nine courses)**
 - **One-week resident courses or 10 - 12 week distributed learning courses**
 - **Resident: 37.5 hours +**
 - **DL: 3-4 hours per week +**
 - **May select from a combination of methods**
- **Requires outside readings**
- **Paper or project**



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CIO Certificate Program Intensive Courses FY03 (One-Week Resident or 10-12 Week DL)

Competency Area	Course		Competency Area	Course	
Policy	Changing World of the CIO	14R, 3DL	Leadership	Leadership in the Info Age	8R, 1DL
	Information Operations & Net-centricity	3R, 1DL		Strategic Human Capital Management	3R, 1 DL
Strategic Planning	Information Management Planning	6R, 2DL		Knowledge Management	4R, 1DL
	Enterprise Resource Applications: Issues in Strategic Planning and Implementation	4R, 1DL	E-Government/ E-Business	eGovernment	6R, 1DL
	Homeland Security	4R, 1DL		eServices Planning for Improved Gov't Perf	4R
Performance Management	Measuring Results of Organizational Perform.	11R, 5DL		Strategic Mgmt of Web Sites	4R, 1DL
			Architectures	Managing Information Architectures & Infrastruct	6R, 4DL
Capital Planning	Information Technology Capital Planning	7R, 2DL			Data Management Strategies
	Process Improvement	Reengineering Organizational Processes	3R, 2DL	Security & Assurance	Managing Info Security in a Networked Environment
			Assuring the Information Infrastructure		11R, 4DL
Technology Assessment	Critical Information Systems Technologies	10R, 3 DL			Developing Enterprise Security Strategies, Guidelines, & Pol
	Improving Org. Performance w/ Intelligent Decision Systems	1R	Acquisition	Information Technology Acquisition for the CIO	2R, 2DL
	Global Enterprise Networking & Telecommunications	7R, 2 DL		Information Technology Project Mgmt	4R, 1DL
				DAU IT Level 3 Courses	



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CIO Certificate Option 2 Advanced Management Program

- Consists of core, track, electives, and field study
- All attendees meet CIO Certificate requirements for five core courses (incl two mandatory)
- Track and electives may be used to meet other requirements
- May include an information assurance concentration
- Industry and International participation
- Two 14-week sessions per year



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CIO Certificate via Advanced Management Program

CORE PROGRAM (10 Weeks)

- Foundations of IRM
- Enterprise Level Planning for Information Management
- Transforming Work and Organizations
- Issues in Information Technology
- Management Issues in IT Acquisition

SPECIALTY TRACKS (2 Weeks)

Select one

- Enterprise Security Strategies
- Information Technology Project Management
- alternately offered -
- Critical Frameworks Underlying Public Policy
- Transforming to eGovernment

FINAL REQUIRMENTS (2 Weeks)

- Domestic Field Studies
- Program Synthesis

TWO ELECTIVES (Weeks 2-12)



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Information Assurance Certification (NSTISSI Standard 4011) Program

- Based on CNSS standard for information systems security professionals
- Requires 4 courses:
 - *Assuring the Information Infrastructure*
 - *Global Enterprise Networking and Telecommunications*
 - *Managing Information Security in a Networked Environment*
 - *Developing Enterprise Security Strategies, Guidelines, and Policies*
- Allows for 9 hours (up to 15 with CIO certificate) for cooperative Master's and PhDs
- **Free** for DoD



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eGovernment Leadership Program Highlights

- Responds to Administration requirement to employ eGovernment initiatives
- Eight courses
- Resident or web-based DL
- Some flexibility based on individual and organizational needs
- Plans exist for cooperative Master's and PhDs
- **Free** for DoD

eGovernment Leadership Certificate Program

Competency	Required Courses
Policy	eGovernment (EGV)
Planning and Organizing	eServices Planning for Improved Government Performance or Information Management Planning (IMP)
Change Management	Transforming to eGovernment (TEG)
Architecture and Enterprise Integration	Enterprise Architecture for Managers (ARC) or Enterprise Resources Planning: Issues in Strategic Planning and Implementation (EAI)
Financial Resources	Information Technology Capital Planning (MTI)
Performance Management	Measuring Results of Organizational Performance (MOP) or Strategic Management of Websites (WEB)
Security and Privacy	Security, Privacy, and Access Issues in eGovernment (SPA)
Competency	Alternative Courses: Choose One (1)
Human Capital	Strategic Human Capital Management Issues (HRI)
Information and Knowledge Resources	Knowledge Management: Leveraging Intellectual Resources (KMI)
Information and Knowledge Resources	Homeland Security (HLS)
Information and Knowledge Resources	Data Management Strategies and Technologies:A Managerial Approach (DMS)



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Senior JPME Concentration and Electives

- Courses provided to ICAF/NWC
- Similar to intensive course content
- 12 two-hour sessions
- 20-22 courses each semester
- Selected electives = Information Strategies Concentration Program
- May work toward IRMC certificates



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Student Requirements

- Apply for program(s)
- Register for courses
- Successfully complete the courses within specified timeframes



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Supervisor Requirements

- Recommend students for the program(s)
- Confer with students to develop an individual educational plan (CIO and eGov certificates only)
- Support student attendance at courses



Cooperative Degrees

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Educational Institution	Degree
University of Tulsa	<ul style="list-style-type: none">• MS Computer Science• PhD Computer Science
Syracuse University	<ul style="list-style-type: none">• MS Info Resources Mgmt (Gov't Spec)• MS Info Resources Mgmt (IA Spec)
University of North Carolina Charlotte	<ul style="list-style-type: none">• MS Information Technology
University of Maryland University College	<ul style="list-style-type: none">• MS Computer Systems Mgmt• MS Telecom Mgmt
East Carolina University	<ul style="list-style-type: none">• MS Industrial Technology (Digital Communication Tech Concentration)
Capitol College	<ul style="list-style-type: none">• MS Electronic Commerce Mgmt• MS Info Telecom Systems Mgmt
George Mason	<ul style="list-style-type: none">• MS New Professional Studies (KM)• MS Software Engineering• MS Information Systems• PhD Information Technology• PhD Computer Science
University of Maryland Baltimore County	<ul style="list-style-type: none">• MS Computer Science• PhD Computer Science



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DoD IA Scholarship Program (IASP)

- Award scholarships to individuals (through institutions)
 - Serves as a recruiting and retention incentive
 - Targets students enrolled in or applying to NSA designated IA Centers of Academic Excellence (CAEs)
 - Scholarships for BS (last two years), MS, Ph.D. degrees
 - Non-DoD students (already in school or applying to college)
 - DoD personnel (military & civilian)(e.g., IRMC/NDU students)



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Disciplines & Programs of Study

- Computer Science
- Computer Engineering
- Software Engineering
- Computer Programming
- Computer Support
- Data Base Administration
- Computer Systems Analysis
- Information Security
- Electrical Engineering
- Electronic Engineering
- Mathematics
- Business Administration



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IASP Recruitment Component

- Services identify available slots
- Colleges identify prospective students
- Services select students for slots
- Students attend universities; must work for agency for 640 hours while in school
- Students complete degree and report for work
- Must work for same number of years as paid for by government



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IASP Retention Component

- Paying for Master's or PhDs
- Three options
 - NPS (GS-9 to GS-15; O-1 to O-6)
 - IRMC + partner (GS-12 to GS-15; O-4 to O-6)
 - AFIT (All grades)
- AY03/04 announcement to be issued in Apr/May timeframe



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NDU/IRMC IASP Partnerships

- Apply for program through service
 - Military (Joel Strout, DSN 221-3138)
 - Civilian (Phyllis Bailey, DSN 327-5890)
- Two options
 - (1) Attend IRMC Advanced Management Program to earn CIO Certificate and Information Assurance Certification (14 weeks) Follow with attendance at partnering institution. Attend partnering University for completion of Master's or PhD.
 - (2) Go straight to partnering university (for those that have already met IRMC requirements).
- Partnering Institutions
 - University of Tulsa
 - Syracuse
 - George Mason University
 - University of North Carolina Charlotte
 - University of Maryland Baltimore County
 - Working others



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Summary

- Numerous IRMC/DoD programs are available for professional development
- Programs linked to University degrees
- Cost is right!
- It is up to you!

Visit **IRM College** at: www.ndu.edu/irmc

Visit **DoD IASP** at: www.c3i.osd.mil/iasp