

# Information Resources Management College



## Educational Opportunities for Senior IA Managers



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# **Purpose**

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**To describe Information Resources Management College programs that are available to educate CIOs/CIAOs and their senior staffs in information security and assurance**



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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 educational institution
  - Certified for NSTISSI Standard 4011
  - NSA Center of Academic Excellence in Information Assurance
  - Best practice institution (Corporate University Xchange)
- **Options for senior officers (O-4+), civilians (GS-12+) , industry, international**



# Cooperative Degrees

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



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# Information Resources Management College Programs

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- Chief Information Officer Certificate Program
- Information Assurance Certification (NSTISSI Standard 4011)
- eGovernment Leadership Certificate
- DoD Information Assurance Scholarship Program



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# CIO Certificate Program Highlights

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- Endorsed by DoD CIO
- Responds to Clinger-Cohen Act requirements
- Provides flexibility based on individual and organizational needs
- May include information assurance concentration (4011 certification)
- Participants: DoD and Federal Agencies, O-5/GS 13 and above, (may waive one grade)
- Graduate level (required bachelor's or waiver)
- Allows for 15 hours for cooperative Master's and PhDs
- May complete program in residence or through web-based DL
- **Free** for DoD/Low cost for Federal





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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**

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



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# CIO Certificate Option 2 Advanced Management Program

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- 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





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# CIO Participants

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- 35% Military
- 40% DoD Civilian
- 24% Federal Agency
- 1% Industry/International
- Average Military Grade – 0-5 +
- Average Civilian Grade – GS 14 +



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# Information Assurance Certification (NSTISSI Standard 4011) Program

- Based on CNSS standard for information systems security professionals
- Consists of four courses:
  - Assuring the Information Infrastructure
  - Global Enterprise Networking and Telecommunications
  - Managing Information Security in a Networked Environment
  - Developing Enterprise Security Strategies, Guidelines, and Policies
- Requires verification that student can meet standards
- Participants: DoD and Federal Agencies, GS 13-15, O5 & O6 (may waive one grade)
- Allows for 9 hours (up to 15 with CIO certificate) for cooperative Master's and PhDs
- Free for DoD/low cost for Federal
- 4012 certification course planned for FY04





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# eGovernment Leadership Program Highlights

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- Based on competencies endorsed by a cross-section of government leaders
- Responds to Administration requirement to employ eGovernment initiatives
- Focuses on all leaders versus just CIO
- Includes course related to Security/Privacy/Access
- Provides some flexibility based on individual and organizational needs: eight courses needed for completion
- Provides options for completion in residence or through web-based DL
- Includes participants from DoD and Federal Agencies, O-5/GS 13 and above, (may waive one grade)
- **Free** for DoD/low cost for Federal



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# Student Requirements

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- Apply for program(s) on web
- Register for courses
- Successfully complete the courses and assessments within specified timeframes



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# Alternatives for Attendance at IRMC Programs

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- **DoD**
  - Apply for program, gain acceptance, apply for courses
- **Federal Agencies**
  - Space available
  - Signed MOA (EPA, Treasury, FAA, Bureau of Land Management, GAO)



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# DoD IA Scholarship Program (IASP)

- Award full-time (and potentially part-time) scholarships to individuals (through institutions) to major in topics related to IA.
- Multiple options for DoD personnel (military & civilian) to earn Master's or PhD
- Two IRMC options:
  - AMP (Earn CIO + 4011). Follow with attendance at partnering university.
  - Go straight to partnering university (for those that have already met IRMC requirements).
- Partnering universities include:
  - Syracuse University
  - University of Tulsa
  - George Mason University
  - University of North Carolina Charlotte
  - University of Maryland Baltimore County
  - Working others
- Next announcement expected in spring....more detail and other options in IASP session.



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# Summary

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

Visit **IRM College** at: [www.ndu.edu/irmc](http://www.ndu.edu/irmc)

Visit **DoD IASP** at: [www.c3i.osd.mil/iasp](http://www.c3i.osd.mil/iasp)