Maryland Guidance Counselors

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Biography

- 2005-2008 Chief Information Security Officer, FCC
- 2003-2005 Deputy CISO, FCC
- 1991-2003 Sr. Information Security Analyst, US Courts
- 1985-1991 Sr. Computer Programmer Analyst, US Courts
- 1978-1985 Programmer Analyst, GSA

- Different areas are within Cybersecurity
 - Policy, networks, applications, disaster recovery,
 Life cycle-Project management, forensics, cryto,
 training, risk management, security testing, etc
- What the certificates are all about--what should they tell their students and parents? go into engineering? pursue a degree in computer science? only 4 year? certificates only once degree

Mapping Professional Specialist Groups to Career Levels

Professional Specialist Group Model													
		Management	Technology	Architecture	Assurance	Risk Management							
Senior Executive	CISO	СТО	CIO	соо	CAO	CRO							
Manager/Director	ISM,ISD, Mgr Dir, Ops Mgr/Dir, Consulting Mgr/DIR		elopment Mana	0	Head of Internal Audit	Information Risk Mgr/Dir Consulting Mgr/Dir							
Expert	Principal Consultant	Senior Dev Engineer	Senior Architect	Senior Architect	Senior Security Auditor	Principal Consultant							
Sepecialist Managerial	Product/Program manager, Team Leaders, Account Sales managers												
Specialist Technical	Security Consultant Business Analyst	Security Product Manager	Security Designer	Security Designer	Security Auditor	Information Risk Consultant							
Entrant	Analyst	Deverloper	Security Designer Trainee	Security Designer Trainee	Security Auditor Trainee	Information Risk Trainee							

Career Levels and Traditional Paths Senior Executive CIO; CISO; CTO; CRO; COO



Principal Consultant; Senior/Chief Architect; Senior Security Auditor; Etc.



Consulting Manager/Director; Information Security Manager/Director; Head of Security Audit; Information Risk Manager/Director; Operations Manager/Director

Specialist (Technical/Business)

Security Consultant; Security Designer/Architect; Security Auditor; Information Risk Consultant; Security Product Manager; Business Analyst

Specialist (Management) Project Manager; Program Manager; Team Leader; Account Manager; Sales Manager; Marketing Manager

Adapted from AINSER ISPR Framework Security Analyst; Security Developer; Security Administrator; Trainee Information Risk Consultant; Security Product Sales; Etc.

ENTRAN

IT Security EBK: A Competency and Functional Framework for IT Security Workforce Development Functional Perspectives M - Manage D - Design I - Implement E - Evaluate		IT Security Roles																			
		Executive					Functional								Corollary						
		Chief Information Officer		Information Security Officer/ Chief Security Officer		IT Security Compliance Officer		Digital Forensics Professional		IT Security Engineer		IT Security Operations and Maintenance Professional		IT Security Professional		Physical Security Professional		Privacy Professional		Procurement Professional	
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	14 System and Application Security	м		м							D										
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Understanding Types of Certification

