

# Maryland Guidance Counselors

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(ISC)<sup>2</sup>

# 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, crypto, 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

<b>Professional Specialist Group Model</b>						
		<b>Management</b>	<b>Technology</b>	<b>Architecture</b>	<b>Assurance</b>	<b>Risk Management</b>
<b>Senior Executive</b>	CISO	CTO	CIO	COO	CAO	CRO
<b>Manager/Director</b>	ISM,ISD, Mgr Dir, Ops Mgr/Dir, Consulting Mgr/DIR	Development Manager Systems and Infrastructure			Head of Internal Audit	Information Risk Mgr/Dir Consulting Mgr/Dir
<b>Expert</b>	Principal Consultant	Senior Dev Engineer	Senior Architect	Senior Architect	Senior Security Auditor	Principal Consultant
<b>Sepecialist Managerial</b>	Product/Program manager, Team Leaders, Account Sales managers					
<b>Specialist Technical</b>	Security Consultant Business Analyst	Security Product Manager	Security Designer	Security Designer	Security Auditor	Information Risk Consultant
<b>Entrant</b>	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**

  
**EXPERT**

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

Specialist (Technical/Business)

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

  
**MANAGER/DIRECTOR**

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

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

  
**ENTRANT**

Security Analyst; Security Developer; Security Administrator; Trainee  
Information Risk Consultant; Security Product Sales; Etc.

Years of experience & ability



# Understanding Types of Certification

