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- Rob Reintges - CISSP - VP of Outreach
Overview

- What do you need to consider when thinking about a career?
- Why choose Information Security as a career?
- What does Information Security consist of?
- What credentials/certifications are significant?
- What do Employers Want?
- What Skills/Knowledge will I need?
- What Education and Training are desirable?
- What types of jobs are available? – Gov, Classified
- What do the different types of employers look for?
- ISSA International, ISSA Central Maryland, ISSA UMBC
- International Information System Security Certification Consortium = (ISC)² = (ISC)²
Know Yourself

- Get to know yourself and your core values to determine your current priorities
  - Repeat whenever necessary
    - Major Changes in Life
    - Marriage/Death in family
    - Layoffs/Firings
  - What jobs will violate your core values?

Your Strengths/Weaknesses 1/2

- **Sun Tsu**, 545–470 BC
  - If you know neither yourself nor your enemy, you will lose every battle.
  - If you know yourself but not your enemy, for every victory, you will suffer defeat.
  - If you know both your enemy and yourself, you will be victorious every time.
Your Strengths/Weaknesses 2/2

• What are you good at doing?
• What do you enjoy doing?
• What makes you happy/unhappy?
• How much money do you need to live a happy life?

How much money do you need to be happy?

• What kind of life does your spouse yet-to-be want?
  • To live the kind of life that will please both of you?
  • Reasons for Divorce
  • Factors that will require a higher salary
• Is your current job becoming obsolete?
• Do you have the ability/knowledge/experience/foresight to switch to a new career whenever necessary?
Forecasting the Future

- The Truth About Your Future
- The Truth about Money
  - https://www.edelmanfinancialengines.com/tv
  - https://www.youtube.com/playlist?list=PLBC9575439E580D342
  - https://www.youtube.com/results?search_query=The+Truth+about+Your+Future+-+Ric+Edelman

Why Choose InfoSec as a Career?

- What are my own priorities/values?
- Define the requirements to steer towards IS.
  - Huge Salaries?
  - The Great Outdoors?
  - Excitement?
  - Travel?
  - Job Security?
What does InfoSec Consist of? – Slide 1/2

• Eight Domains for the CISSP Certification – per ISC2
  1. Security and Risk Management (Security, Risk, Compliance, Law, Regulations, Business Continuity)
  3. Security Engineering (Engineering and Management of Security)

What does InfoSec Consist of? – Slide 2/2

  5. Identity and Access Management (Controlling Access and Managing Identity)
Central Maryland Chapter Sponsors:
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https://iase.disa.mil/iawip/Pages/iabaseline.aspx

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https://iase.disa.mil/iawip/Pages/summary_wf_requirements.aspx
How important are Certifications?

- They eliminate one roadblock in the job application process.
- DoD 8570 = Information Assurance Workforce Improvement Program - Incorporating Change 4, 11/10/2015
  - [https://iase.disa.mil/iawip/Pages/index.aspx](https://iase.disa.mil/iawip/Pages/index.aspx)
  - [https://iase.disa.mil/iawip/Pages/iabaseline.aspx](https://iase.disa.mil/iawip/Pages/iabaseline.aspx)
  - [https://iase.disa.mil/iawip/Pages/summary_wf_requirements.aspx](https://iase.disa.mil/iawip/Pages/summary_wf_requirements.aspx)

What do employers want? 1/2

- Someone to solve their problems.
  - You need to have a wide range of skills/knowledge to be able to solve a wide range of problems.
- Someone who will not cause problems.
  - Background check in social media sites.
  - Not being a good team player.
  - Not fitting in with the corporate culture.
What do employers want? 2/2

• Evidence on your resume that you have actually solved problems similar to the problems that the employer currently needs solving.

• Someone who is flexible and willing to solve whatever kind of problems the employer has now or is likely to have in the future.

National Initiative for Cybersecurity Education

• http://csrc.nist.gov/nice/workforce.html
National Initiative for Cybersecurity Careers and Studies

- [https://niccs.us-cert.gov/training/tc/framework/specialty-areas](https://niccs.us-cert.gov/training/tc/framework/specialty-areas)
- 31 Common types of Cybersecurity Work
- Links lead to required skills/talents.

ISO Responsibilities

- PKI Support, VPN Support
- Security Measures
- Audits, Inspections
- System Security Plans
- Training Requirements
- Remote Access Accounts
- Mitigation Plans, Residual Risk
- Member of IS Triumvirate
- Security Policies & SOP's
- Encryption Technology
- FISMA Compliance
- Incident Response
- ISA/MOU/DTA/DUA/BAA
- Antivirus
- Contract Reviews
- Access Management
- Boundary Protection
- National Rules of Behavior
- Certification & Accreditation
- Media Sanitization/Disposal
- Configuration Management
- Continuous Monitoring = A&A
- Configuration Planning
- Patch Vulnerabilities
- Secure Data Storage
- Security Audit Logs
- POA&M's
Things to do to get a job

• Clean up your social media presence.
• Do InfoSec/Computer activities that can be put on your resume.
• Demonstrate drive and willingness to find and solve problems.
• Take courses/training that will give you the tools to solve problems.
• Work to become great at something.

Administrative Preparation

• Develop a resume.
• Keep a record of your personal data
  • SF85, SF86
• Get to know people well enough so they can give a reasonable reference regarding for you in the future regarding your skills, knowledge, personality, honesty, values, etc.
Benefits of ISSA Membership

- Networking with others for career guidance/advice
- Network with local colleagues at chapter events [https://www.issa-centralmd.org](https://www.issa-centralmd.org)
- Earn CPE’s to maintain your professional certification
- Join Special Interest Groups (SIG’s) that focus on particular topics within the community [https://www.issa.org/page/SIGOnDemandWebinars](https://www.issa.org/page/SIGOnDemandWebinars)
  - Security Awareness
  - Women in Security
  - Healthcare
  - Financial
- [https://www.issa.org/page/Benefits](https://www.issa.org/page/Benefits)

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Links

- [https://www.issa.org/](https://www.issa.org/)
- [https://www.issa.org/page/Benefits](https://www.issa.org/page/Benefits)
- [https://www.isc2.org/](https://www.isc2.org/)
- [https://www.usajobs.gov](https://www.usajobs.gov)
- [https://www.cyberseek.org/heatmap.html](https://www.cyberseek.org/heatmap.html)
Contact Information

- https://www.issa-centralmd.org/board-of-directors
- Monthly Chapter meetings - register at https://www.issa-centralmd.org
- Steve Chan
- 202-649-6312 = Work - preferably between 6 AM to 8 AM
- stephan.chan@occ.treas.gov (Preferred address, include your phone #)
- v_p_membership@issa-centralmd.org