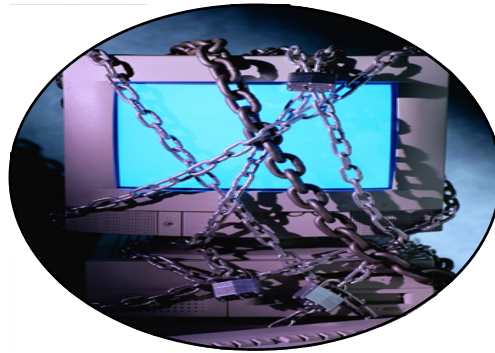


Cool Careers! Information Assurance



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Why Information Assurance

- Influence (Teacher) – Study Math.
- Desire to Know more about security
- Need to protect our country

What is Information Assurance

- Protects and Defends information & Information Systems
- How? Ensuring proper measures are in place
- Security = Pro-Active

Cool Careers in Information Assurance

- Physical Security – access control, close circuit TV, state-of-art technology; salary range: \$35,000 - \$65,000
- Information Security – securing data (collection, marking, disseminating, disposal); salary range: \$30,000 - \$ 140,000
- Personnel Security – background investigations, drug testing, security clearance, and adjudicating results; salary range: \$35,000 - \$85,000

Cool Careers in Information Assurance

(cont')

- ❑ Information System Security – protect confidentiality and reliability of data (against hackers, virus, other threats); salary range: \$40,000 - \$140,000
- ❑ Homeland Security – protection of U.S. borders (airspace, bio and chemical attack, cyber attacks); salary range: \$30,000 - \$120,000
- ❑ Critical Infrastructure Protection – protecting telecommunication systems, nuclear plants, bridges (transportation system), food plants; salary range: \$30,000 - \$95,000

List of Security Alerts: Seclists.org

- **Nmap Hackers** – list for security announcements, update patches, etc..
- **Carnegie Mellon (SEI) – CERT Coordination Center** – post all vulnerability reports, security alerts, incidents reported, hotline calls at:
www.cert.org/stats/cert_stats.html
- **Bugtraq** - Premier security mailing list – announcement of vulnerabilities
- **Security Basics** – list of questions and allows one to ask basic security questions
- **Firewall Wizards** – Tips and tricks for how to install and monitor a firewall
- **Incidents** – list of actual security incidents (topics: trojans, worms, virus; what are they?)
- **Security Jobs** – popular list for advertising or finding jobs in the security field

Free Software to help:

- Prevent Spam – Spam Nullifier – download at www.spamnullifier.com
- Spyware – Spyware Doctor 3.5 –
www.pctools.com/offers/avsd/?ref=google_combo
- Virus Provention – Dr. Web for Windows -
old.antivir.ru/english/dsav_toolkit/drweb32.htm
- Firewall – F-prot used only for personal computers - www.f-prot.com/download/home_user/

Link to View

- <http://www.fox.com/video/>
- Please select "24"
- Then "24: The Game" and let it run.