Information Security Analyst
Information Technology Career Cluster

- Median Salary: $102,600

- Typical Entry Level Education: Bachelor's Degree

Job responsibilities typically include:

- Information security analysts typically do the following:
  - Monitor their organization's networks for security breaches and investigate when one occurs

  - Use and maintain software, such as firewalls and data encryption programs, to protect sensitive information

  - Check for vulnerabilities in computer and network systems

  - Research the latest information technology (IT) security trends

  - Prepare reports that document general metrics, attempted attacks, and security breaches

  - Develop security standards and best practices for their organization

  - Recommend security enhancements to management or senior IT staff

  - Help computer users when they need to install or learn about new security products and procedures.

What Personality Type do Information Security Analysts have?

(Holland Code - RIASEC)

- *Conventional:* Likes to work with numbers, records, or machines in a set, orderly way. Generally avoids ambiguous, unstructured activities.
- *Investigative:* Likes to do creative activities like art, drama, crafts, dance, music, or creative writing. Generally avoids highly ordered or repetitive activities.
- *Realistic*: Likes to work with animals, tools, or machines. Generally avoids social activities like teaching, healing, and informing others.

What South Fayette Classes would be beneficial for an aspiring Information Security Analyst?

- Cyber Security
- Data Science
- Statistics and Probability

- Precalculus or above
- Data Management with Excel

Learn More:

- Information Security Analyst - Occupational Outlook Handbook
- O*Net Online