

Do you think analytically and enjoy solving problems? Do you have a strong aptitude for math? If so, Network Systems might be a great career path for you!



Pathway Description:

Students will be involved in network analysis, planning and implementation, including design, installation, maintenance and management of network systems. Successful establishment and maintenance of information technology infrastructure is critical to the success of almost every 21st century organization.

Key Competencies:

- Ability to review, analyze, and modify programs efficiently.
- Knowledge of HTML and CSS for website development.
- Identify and utilize application design methodologies, tools, and current techniques to convert business requirements and logical models into a technical application design.
- Ability to understand and apply contemporary software development cycle.
- Knowledge of how a system should work and how changes in conditions, operations, and the environment will affect outcomes.

Courses (HS Credits):

Specialization Courses:

- 9612 IT Essentials I: PC Hardware & Software (1)
- X066 Internship - Sem. 1 (1)
- 9622 IT Essentials Advanced: PC Hardware & Software (1)
- X067 Internship - Sem. 2 (1)

Capstone Courses:

- 9695 Configuring Windows (1)
- 9696 Fundamentals of Network Security (1)
- 900K Cybersecurity - PLTW (2)

College Credits: 14

Annual National Average Salary for Entry Level Computer Programmer: \$87,000

Career Opportunities:

Computer Programmer	Computer Hardware Engineer
Network Systems Engineer	Data Communications Analyst
Information Systems Administrator	Communications Analyst
Technical Support Specialist	Telecommunications Network Tech