

## **INFORMATION TECHNOLOGY**

**COMPUTER TECH SUPPORT / A+ CERTIFICATION 5230M** This course is designed to prepare students to become computer service technicians by passing two nationally recognized exams. (CompTIA A+ Certification) The course will cover all the system components of a computer. (Peripheral devices, storage, networking, printing, mobile devices, operating systems and security) The students will have an opportunity to research and build their own computer, troubleshoot different operating systems and secure their computers from viruses. Students completing this program may head into Computer Engineering or Computer Technology programs at the post-secondary level. (This is a **dual credit** course which also qualifies for the **academic honors diploma**.)

- **Recommended Grade Level: 10-12**
- **Recommended Prerequisites: College-level reading comprehension (SRI scores > 1000)**
- **Credits: 2-Block course; 2 semesters; 4 total credits**
- **WEIGHTED COURSE (1.0)**

### **NETWORKING I 5234M**

This class is designed to prepare students to achieve CompTIA Network+ Certification and is the perfect follow-up to the A+ Certification course. Students will learn the transmission capabilities of various cables as well as networking topologies. This comprehensive skills-based course includes hands-on exercises that simulate real-world applications to help students learn to specifically install and maintain local area networks. Students learn the basics and protocols of TCP/IP and the internet. This course is designed for those interested in gaining the skills that provide industry credentials in the field of networking. (This is a **dual credit** course which also qualifies for the **academic honors diploma**.)

- **Recommended Grade Level: 11-12**
- **Recommended Prerequisites: Successful completion of A+ Certification**
- **Credits: 2-Block course; 2 semesters; 4 total credits**
- **WEIGHTED COURSE (1.0)**

## NETWORKING II/INFRASTRUCTURE SYSTEMS

4588M

This course consists of one semester learning the Linux operating system and one semester of Security+. Students will have the opportunity to become CompTIA Linux+ and Security+ certified

**Also available to 3<sup>rd</sup> year students after successful completion of A+ and Network+:**

Server +            Linux +            Wireless  
Security +        CISCO/CCNA    Cloud Computing

- **Recommended Grade Level: 11-12**
- **Recommended Prerequisites CompTIA NET+ Certification**
- **Credits: 1 credit per semester; 2 total credits**
- **WEIGHTED COURSE (1.0)**

## NETWORKING II/SERVERS AND SECURITY

5257M

*Networking II: Servers* focuses on the software skills needed to manage a network. Students will learn and practice the skills necessary to perform in the role of a network administrator. They will be able to accomplish fundamental network management tasks on a server such as set up of computer network services, create users and appropriate login scripts, develop groups, set the server remotely, set up security, backup/restore the server and setup/maintain clients.

- **Recommended Grade Level: 12**
- **Prerequisites: A+ and NET+ Certification**
- **Credits: 1 credit per semester; 2 semesters**
- **WEIGHTED COURSE (1.0)**

