

CYBERSECURITY

Cybersecurity introduces students to the fundamental concepts of Cybersecurity, including recognizing potential cyber-attacks against enterprise networks in various forms (spamming, phishing, malware, ransomware, DDOS, etc), understanding vulnerabilities in a network infrastructure, cybersecurity best practices, introduction to cloud-based networks and virtualized data centers.

Students will complete a variety of hands-on labs focusing on planning, designing, implementing and troubleshooting network infrastructure environments. Palo Alto Cybersecurity Foundation, Network Security Fundamentals, Cloud Security Fundamentals, and Security Operations Fundamentals are intended for students who would like to pursue a career in Cybersecurity or any other technology field. The course covers technical details, while emphasizing soft skills which are an asset in this field. Upon successful completion of the course and if students decide to pursue, they can obtain their PCCET (*Palo Alto Networks Cybersecurity Certification* Entry-level Technician).

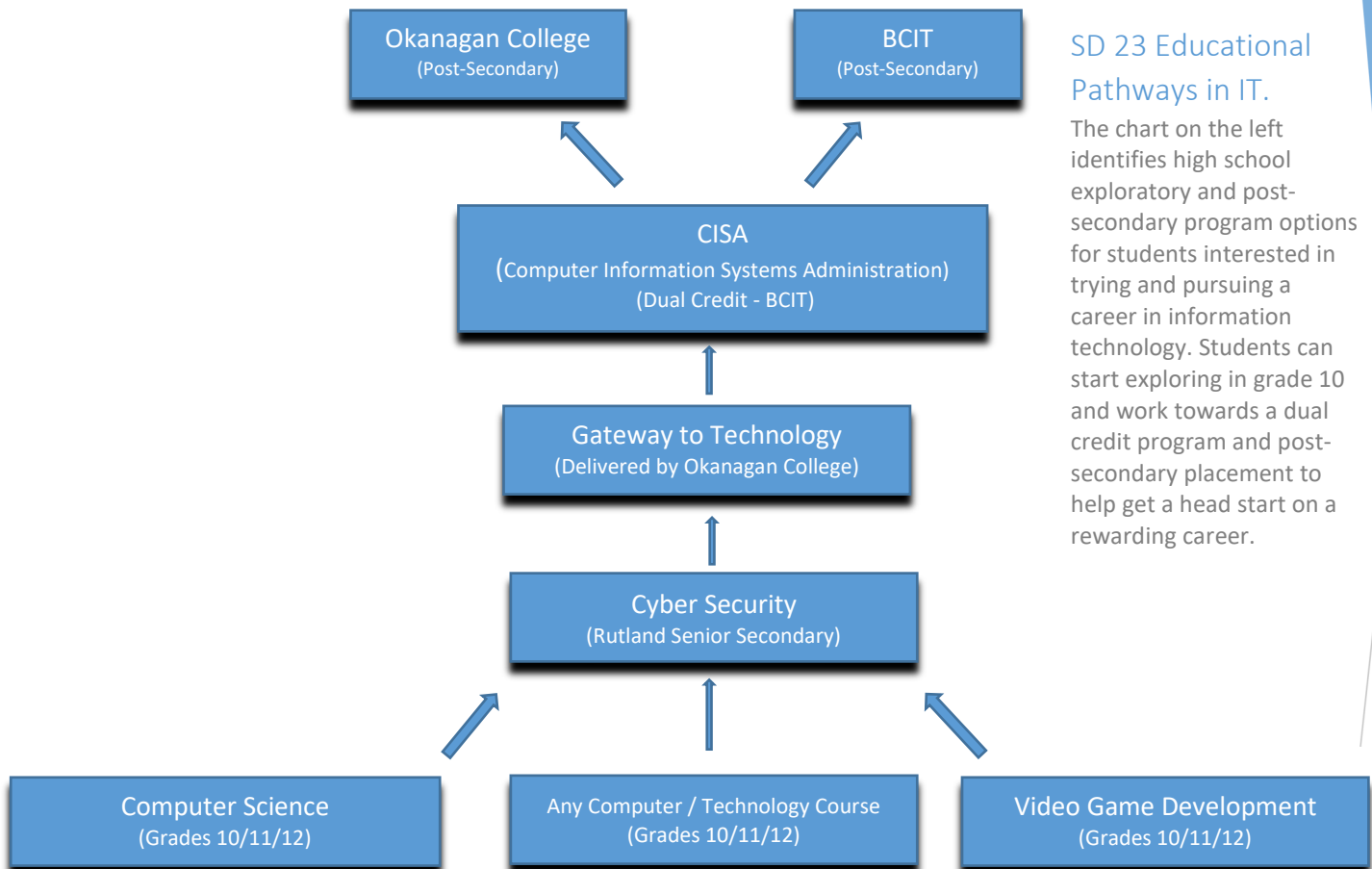
Location: Rutland Senior Secondary School

Time: 1 block in timetable

Credit: 4 credits (1 course) at the Grade 12 level

Availability: All SD23 secondary students are eligible to enroll.

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SD 23 Educational Pathways in IT.

The chart on the left identifies high school exploratory and post-secondary program options for students interested in trying and pursuing a career in information technology. Students can start exploring in grade 10 and work towards a dual credit program and post-secondary placement to help get a head start on a rewarding career.