

# SRHS Technology Courses

## Course Selection Presentation



# Technical Careers



Designer



Engineer



Technician



Tradesperson

# Courses we offer in technology

- Advanced Tech 120
- Computer Aided Design 110
- Computer Science 110
- Computer Science 120
- Cyber-Security and Tech Support 110
- Digital Production 120
- Information Technology 120
- Robotics and Automated Technology 120



I read the course description but  
what is it about? Why should I take it?

## **Advanced Technology 120**

- Project based course where you look for solutions to real-world problems with the focus typically on environmental issues
- Focus is on group work, with lots of opportunity to use technology or hands on practices
- Suggested for students who like the freedom of project work

## **Computer Aided Design 110**

- Learn how to create proper drawings that would be used to create everything from small gears to larger parts and house floor plans
- Mix of pencil drawings and use of AutoCAD software
- Focus is on assignments/project work
- Beneficial for:
  - many technician courses at college
  - Also useful for students interested in engineering
  - Students interested in creative design

## Computer Science 110

- Introductory course into the basics of computer coding
- Learn how to write and understand the steps for creating code to create programs
- No prior knowledge of computers is necessary
- Predominantly assignment based
- Good course for students interested in the following the fields of
  - Electronics
  - Engineering and technology
  - Business
  - Mathematics
  - Science

Understanding computer code can set you apart from other people in a demanding workforce

\*Optional course for FIT certificate

## Computer Science 120

- Continuation of Computer Science 110
- Recommended for those that enjoy coding and are looking for a challenge
- Strongly recommended if interested in a career in fields such as:
  - Electrical and software engineering
  - Programming
  - Cybersecurity



## **Cyber-Security and Tech Support 110**

- Learn the basics of computer hardware and how to access and fix problems with hardware, software and computer networks
- Learn the basics of cyber-security as it relates to computer network protection, a very in-demand job field
- Can be used as a community college credit
- One of the options for the FIT certificate

\*Optional course for FIT certificate

## **Digital Production 120**

- Focus is on digital media design and editing
- Learn skills in video and sound editing, website design, and e-commerce
- Good course for those interested in the Information Technology fields

\*Optional course for FIT certificate

## **Information Technology 120**

- The focus is on the Microsoft Office Suite of apps
- Enhance your skills and knowledge in Word, Excel and PowerPoint
- Microsoft Access database software is also explored
- This course exposes you to many functions in Word, Excel and PowerPoint that are not normally covered in previous courses
- Great course for anyone considering pursuing a university degree in Arts, Business or Science

\*Required course for FIT certificate

## **Robotics and Automated Technology 120**

- You will learn the basics of robotic design including construction and programming of robot devices
- Instruction also includes an introduction to pneumatic (air-powered) controls
- Works well with Computer Science 110
- Potential to compete in robotics competition
- Great introduction for those interested in the field of robotics and electrical engineering

# FIT Certificate

## Focus on Information Technology

- Cross -Canada recognition
- Intent is to allow students the chance to develop technology and business/entrepreneurial skills with essential workplace skills and experience.
- Required courses are:
  - ✓ Information Technology 120
  - ✓ Business Organization and Management 120
- 1 Additional course from
  - ✓ Entrepreneurship 110
  - ✓ Computer Science 110
  - ✓ Cybersecurity & Technical Support 110
  - ✓ Digital Production 120

# What to do now



- Consider your interests
- What are you already good at?
- Talk to your parents
- Talk to your older friends about courses
- Visit the Workroom
- Go online and see what the courses are that you will take in the programs you are interested in, at the school you want to attend
- Look at the course selection guide
- Take a interest quiz like [myblueprint.ca](http://myblueprint.ca)

*“Find something you love to do and  
you will never have to work a day in your life”*



If your interested in our technology-based courses or have questions, please feel free to contact me at [jeffrey.gaunce@nbed.nb.ca](mailto:jeffrey.gaunce@nbed.nb.ca)