IT Software and Application Development
Youth Apprenticeship

IT SOFTWARE AND APPLICATION DEVELOPMENT

IT Software and Application Development youth apprentices gain code writing, troubleshooting, and system security skills related to the development of software and applications.

Length of Apprenticeship: One year

OCCUPATIONAL COMPETENCIES

Youth apprentices must complete **a total of 6** competencies. **Five** must be from the list below. If necessary, employers can substitute up to **1** competency with another occupationally appropriate skill. That skill should be added to the competency list for assessment. Note that where necessary, skills can be simulated.

Competencies
1. Troubleshoot application issues
2. Create a database
3. Test application programming changes
4. Gather application software requirements
5. Write application code
6. Maintain information and system security

REGISTERED APPRENTICESHIP BRIDGING OPPORTUNITIES

The following Registered Apprenticeship is available in this area:
- IT Service Desk Technician
- IT Software Developer

There are several post-secondary pathway opportunities in this area. The following is a partial list.
- Software Development Specialist Technical Diploma
- Software Project Coordinator Technical Diploma
- IT Help Desk Support Specialist Technical Diploma