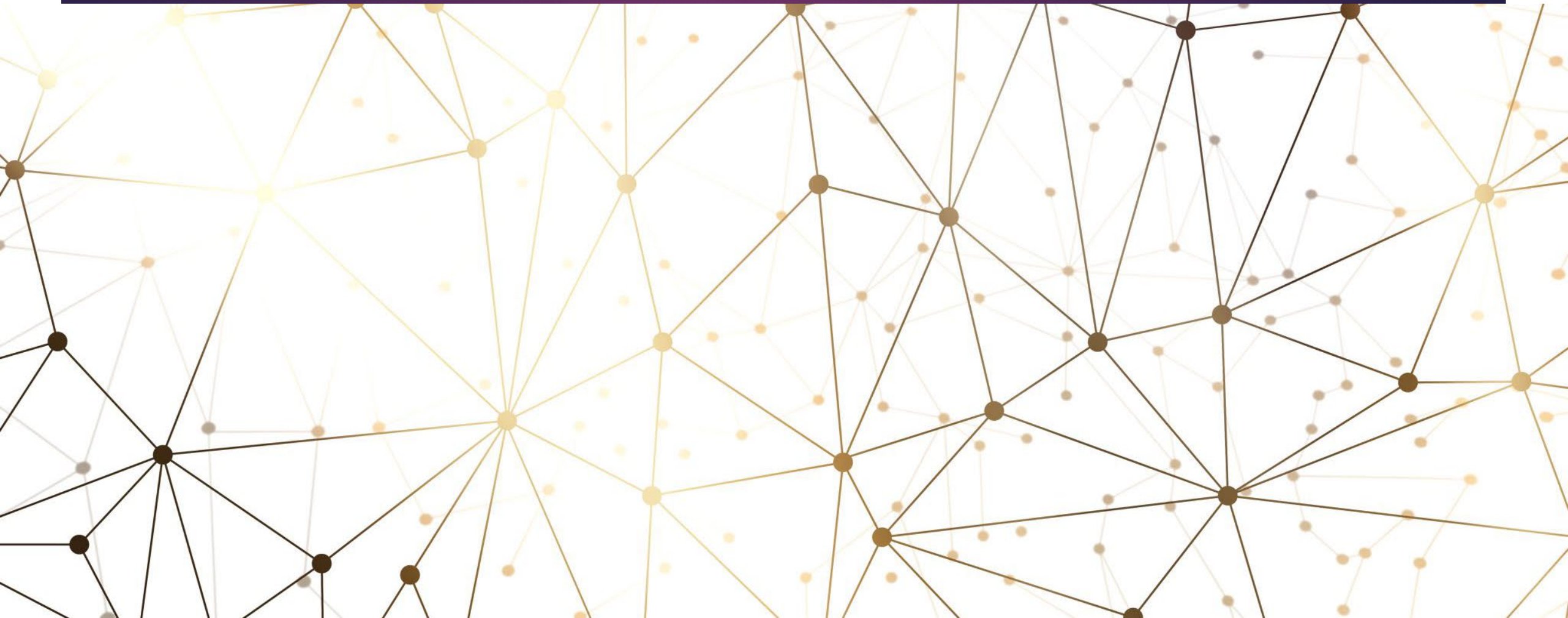


Civil Engineering Technician

CONFEDERATION
COLLEGE



If you enjoy:

- Building forts and sandcastles
- Playing Minecraft
- Creating waterfalls
- Erecting Legos
- Building roadways for trucks
- Constructing train networks
- Drawing houses or structures
- Inspecting things
- Diverting water to create rivers and pools of water in the mud

These activities include elements of:

- Planning
- Layout
- Available resources
- Environment
- Balance/stability
- Flow
- Costs
- Assessing load before failure

Civil Engineering Technician might be the perfect fit for you!

Civil Engineering Technician work involves:

- Planning, data recording, inspecting, observing
- The form and function of structures
- Systems that work to build stable structures
- Large transportation systems, roads, sewers, storm water, railways
- Cost versus benefit of materials used in construction

Civil Engineering Technician work involves:

- Materials, their properties, and the forces that can break them
- How combining different materials can strengthen or make them more resilient
- Balance and centre of gravity
- Symmetry
- Sustainability and protecting the environment

Civil Engineering Technician work involves:

- Large structures, like bridges, dams, buildings, tunnels and mines.
- Networks such as roadways/highways, railways, water, irrigation, sewage networks and the construction of houses.
- All stages in the life of infrastructure, from planning and construction to maintenance and demolition.

What jobs and careers are in this field?

- Construction Estimator
- Project Manager
- Entrepreneur
- Site Supervisor
- Drafter, Designer
- Inspector
- Surveyor
- Lab Technician (Materials Tester)
- Health and Safety Supervisor
- Roads or Sewer & Water
Supervisor

Employment Opportunities!

- Employment opportunities in this industry are available locally, regionally and around the world.
- As a graduate of this program, you will find entry-level opportunities with consultants, contractors, and government.
- With experience you can expect to move on to management positions within these organizations.

Civil Engineering Technician Program Highlights:

- As a student in our two-year program, you will examine various construction materials, such as, soils, concrete, steel and water that are used in the design and construction of roads, railways, bridges, and buildings.
- Students learn to use computer-aided drafting software (AutoCAD, Civil 3D), manual and electronic surveying equipment, project scheduling programs and design software.

Civil Engineering Technician Program

Highlights:

- Students gain knowledge in lab techniques for assessing construction materials, codes and legal requirements governing design and construction, applying the principles of science and mathematics to real world problems.
- Small class sizes mean you will get great practical hands-on experience with industry-standard technologies.

Civil Engineering Technician Program

Highlights:

- Balance of classroom study, labs, site visits and field work for a well-rounded education with engaged instructors.
- Recognized by the Ontario Association of Certified Engineering Technicians and Technologists (OACETT), enabling students to become Certified Engineering Technicians (C.Tech.)

Prior Learning Assessment & Recognition(PLAR)

- ▶ Ability to earn credits and gain advanced standing in the Civil Engineering Technician program, reducing your workload while in the program
- ▶ Uses a variety of tools to help learners reflect on, identify, articulate, and demonstrate past experience, and compare this learning to Civil Engineering Technician program courses
- ▶ Prior learning can be obtained from training, work, volunteering and other life experiences