Confederation COLLEGE
Thunder Bay, Canada

Engineering Diploma Programs

Reference Sheet for Agents and Counsellors

Program Name	Intake	Years	Annual Fees CAD	English Requirements		Admission Requirement	Employment Rate[1]	Avg. Hourly Salary[1]
				IELTS Score	Duolingo			
Civil Engineering Technician	S	2	$17,377	6.0 overall, min. 5.5 per band	105 (no band lower than 85)	High school diploma plus grade 12 math credit	89%	$31
	Students gain knowledge in the design, construction and operation of water, soil, geomatics, roads, railways, bridges, and buildings. They gain practical hands-on experience with the latest industry-standard technologies, including Computer-Aided-Drafting (CAD), Project Scheduling Software and Surveying. Graduates are in high demand across Canada and can work in a variety of fields including, city planning, maintenance, mining, bridges, highways, rail, and construction specialty projects. Co-op: mandatory							
Electronics Engineering Technician: Computers	S & J*	2	$17,717	6.0 overall, min. 5.5 per band	105 (no band lower than 85)	High school diploma plus grade 12 math credit	90%	$33
	Students learn about electronics and computer fundamentals, applied mathematics, telecommunications, networks, automation control systems and computer software. Graduates of the program usually go on to positions in network installation, repair and maintenance of electronics equipment. Graduates can also gain various certifications including Microsoft Certified Professional (MCP) certification, COMPTIA A+, and Net+. Co-op:optional							
Electrical Engineering Technology	S & J*	3	$17,717	6.0 overall, min. 5.5 per band	105 (no band lower than 85)	High school diploma plus grade 12 math credit	90%	$33
	Students learn about electric machines and drives, PLCs, computer networks, wireless technology, power systems, and embedded & process control systems. This program places special emphasis on computerized electronic control applications using state-of-the-art DCS, PLCs, drive systems, as well as today's leading panel and PC-based SCADA/HMI packages. Graduates are in high demand and have been successful in positions working with electrical power generation, electrical power distribution, industrial automation and controls, telecommunications, & computer networking. Co-op: optional							
Instrumentation Engeineering Technician: Process Automation	S&J*	2	$17,717	6.0 overall, min. 5.5 per band	105 (no band lower than 85)	High school diploma plus grade 12 math credit	90%	$41
	Students get a solid foundation in both theory and practice in a modern, cutting-edge laboratory designed to emulate common control systems found in industry. Our lab features functioning processes employing pneumatic as well as modern microproces-sor-based electronic control equipment such as PLC's, Distributed Control Systems, and field networks. Graduates are in demand across Canada in many industrial sectors including pulp and paper, mining, chemical, petroleum, steel and manufacturing industries; nuclear and thermal generation and biomedical equipment manufacturers. Co-op: optional							
Mechanical Engineering Technician	S	2	$17,377	6.0 overall, min. 5.5 per band	105 (no band lower than 85)	High school diploma plus grade 12 math credit	89%	$31
	This program design is broad based, meeting the basic outcomes particular to the Millwright, Machinist, and Steam Fitter trades, while also meeting the additional requirements associated with an academic mechanical engineering technician program. Graduates go on to a variety of positions including apprenticeship in millwright, machinist, steam fitter trades, design drafting, mechanical sales, production operations and hydraulics servicing. Co-op: optional							

LEGEND
Intakes - S: September J: January M: May

[1] Canada Job Bank, April 2023

*January intake programs do not have a scheduled break between semesters 2 and 3

April, 2023