PCSS Post Secondary Spotlight

Mechanical Engineering Technology Diploma

The Mechanical Engineering Technology Diploma integrates applied and theoretical engineering approaches in preparation for careers in high-demand industry sectors that involve engineering design, physical systems planning and simulation, technology-driven manufacturing, fabrication sequencing, computer and robotic automation, component testing, and systems reliability. Graduates will apply high-level problem-solving skills to envision, design, develop, build, evaluate, modify, and optimize products and processes associated with mechanical machines, systems, and processes. Career-focused continuous learning and technology adaptation are foundational behaviors.

Students will engage in both hands-on and theoretical approaches in applying foundational mechanical engineering principles that involve engineering mathematics, solid mechanics, thermal-fluid sciences and kinematics. The program also builds soft skills involving teams, project management, and effective oral and written communications.

The Mechanical Engineering Technology diploma program is accredited by Technology Accreditation Canada (TAC), recognized across Canada by Engineering Technologist professional organizations such as the Association of Science & Engineering Professionals of Alberta (ASET). Career experience will lead graduates to becoming Certified Engineering Technologists (CET) and, with additional specialized experience, Professional Technologist (PTech).

Graduates may also achieve laddered academic recognition towards offered technology/engineering degree designations.

Program Cost
Year 1
$5,810.00
Year 2
$6,142.00
These costs are an estimate of tuition based on the recommended course load per year, additional fees apply.

2 Year Diploma

Red Deer Polytechnic

Students applying to Mechanical Engineering Technologist must have a minimum of 65% in:
- ELA 30-1 or ELA 30-2, or equivalent

A minimum of 60% in:
- MATH 30-1 or 75% in MATH 30-2, or equivalent
- SCIE 30 or PHYS 30, or equivalent

https://rdpolytech.ca/programs/mechanical-engineering-technology-diploma