

## TECHNICIAN AND TECHNOLOGIST PROFILES

<b>Technician</b>	<b>Technologist</b>
<b>Profile</b>	<b>Profile</b>
<p>A professional, who through academic training and experience in the application of engineering or scientific principles, is capable of assuming responsibility and of exercising independent judgment in a specialized practice within a field of engineering or applied science technology.</p> <p>Works under general supervision.</p> <p>Typical activities include testing, trouble-shooting, inspection, calibration, design drafting, quality control, maintenance, modeling, data compilation, estimating, sales, surveying, field supervision, technical sales and teaching.</p> <p>Uses a practical approach based on a detailed understanding of standard methods and techniques in solving technical problems.</p> <p>Examines assignments, objectives and instructions to select procedures and actions to resolve the assigned problem.</p>	<p>A professional, who through academic training and experience in the application of engineering or scientific principles, is capable of assuming responsibility and exercising independent judgment in the practice of engineering or applied science technology.</p> <p>Carries out a wide range of complex work, either independently or under general direction.</p> <p>Typical activities include design, production, marketing, testing, quality control, estimating, surveying, inspection, diagnostic evaluation, supervision, management, technical sales and teaching. Such activities may be carried out in association with other professionals.</p> <p>Uses an applied approach based on a comprehensive understanding of a specific technology discipline.</p> <p>Evaluates assignments, determines procedures and implements solutions, schedules work to meet objectives, participates in short- and long-range planning, and may become involved in developing and promoting conceptual change.</p> <p>May assume managerial or administrative responsibility for a wide range of technical endeavours. May supervise and coordinate a diverse working group and train less experienced technical and professional staff.</p>
<b>Certification Requirements</b>	<b>Certification Requirements</b>
<p>Successful completion of a provincially recognized technician program in an engineering technology or applied science discipline or equivalent demonstration of <i>competency</i> as determined by the Association.</p> <p>Technology report/thesis not required.</p> <p>Minimum of 2 years <i>Level of Practice</i> at the technician level supported by professional references.</p> <p>Professional Practice Examination or Internationally Educated Professional Practice Exam (law, professional ethics and commitment to public safety).</p> <p>English Language equivalency to <b>level 7</b> on the Canadian Language Benchmark for all skills: reading, writing, listening, speaking.</p>	<p>Successful completion of a provincially recognized technologist program in an engineering technology or applied science discipline or equivalent demonstration of <i>competency</i> as determined by the Association.</p> <p>Technology report/thesis required.</p> <p>Minimum of 2 years <i>Level of Practice</i> at the technologist level supported by professional references.</p> <p>Professional Practice Examination or Internationally Educated Professional Practice Exam (law, professional ethics and commitment to public safety).</p> <p>English Language equivalency to <b>level 7</b> on the Canadian Language Benchmark for all skills: reading, writing, listening, speaking.</p>
<b>Designation</b>	<b>Designation</b>
<i>Certified Technician (C. Tech.)</i>	<i>Certified Engineering Technologist (C.E.T.)</i>

Technician	Technologist
<p><b>Typical duties include:</b></p> <ul style="list-style-type: none"> <li>inspection</li> <li>troubleshooting</li> <li>repair</li> <li>testing</li> <li>reporting</li> <li>maintenance</li> <li>estimating</li> <li>calibration</li> <li>drawing preparation</li> <li>production control</li> <li>construction supervision</li> <li>operations</li> <li>installation</li> <li>sampling/testing</li> <li>design drafting</li> <li>quality control</li> <li>modeling</li> <li>data compilation</li> <li>technical sales</li> </ul>	<p><b>Typical duties include:</b></p> <ul style="list-style-type: none"> <li>designing equipment/processes</li> <li>analysis</li> <li>resolve problems</li> <li>carry out studies</li> <li>interpret/evaluate situations and/or data</li> <li>specify tests</li> <li>develop prototypes</li> <li>operate pilot plants/projects</li> <li>prepare specifications</li> <li>troubleshoot complex equipment</li> <li>develop solutions</li> <li>project management</li> <li>write reports</li> <li>quality control</li> <li>estimating</li> <li>scheduling/planning</li> <li>coordination of work</li> <li>supervision/management</li> <li>training</li> <li>technical sales</li> </ul>