

## COMPARATIVE TABLE: TECHNICIANS & TECHNOLOGISTS

| Area of Comparison                 | Technician   | Technologist  |
|------------------------------------|--|---|
| <b>Certification requirements:</b> | <ul style="list-style-type: none"> <li>• Diploma from a recognized college/institute of technology in an applied science or engineering technology program accredited by the Canadian Technology Accreditation Board (CTAB) at the <i>technician level</i>, or equivalent as determined by CTTAM's Panel of Examiners; OR Successful completion of an appropriate CTTAM reclassification program</li> <li>• <i>No technical report required</i></li> <li>• Minimum of two years of approved technical experience</li> <li>• Professional references</li> <br/> <li>• Completion of CTTAM's Professional Practice Exam</li> </ul>   | <ul style="list-style-type: none"> <li>• Diploma from a recognized college/institute of technology in an applied science or engineering technology program accredited by the Canadian Technology Accreditation Board (CTAB) at the <i>technologist level</i>, or equivalent as determined by CTTAM's Panel of Examiners; OR Successful completion of an appropriate CTTAM reclassification program</li> <li>• <i>An acceptable technical report</i></li> <li>• Minimum of two years of approved technical experience</li> <li>• Professional references</li> <br/> <li>• Completion of CTTAM's Professional Practice Exam</li> </ul>  |
| <b>Typical training programs:</b>  | Contains all generic outcomes and five discipline-specific outcomes from the National Technology Benchmarks for Technician.  | Contains all generic outcomes of which one is a Technical Report and five discipline-specific outcomes from the National Technology Benchmarks for Technologist.  |
| <b>Designation:</b>                | Bound by a professional code of ethics, and is <i>recognized by the designation Certified Technician (C. Tech.)</i>  | Bound by a professional code of ethics, and is <i>recognized by the designation Certified Engineering Technologist (C.E.T.) or Applied Science Technologist (A.Sc.T.)</i>   |
| <b>Typical scope of work:</b>      | <p>Works under general supervision</p> <p>Typical duties include:</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>• quality control</li> <li>• modeling</li> <li>• data compilation</li> <li>• sales</li> <li>• surveying</li> <li>• Examines assignments, objectives and instructions to select procedures and actions to resolve the assigned problem</li> <li>• Duties are usually in a specific area of specialization</li> </ul> | <p>May work independently or under general direction</p> <p>Typical duties include:</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>• scheduling/planning</li> <li>• co-ordination of work</li> <li>• design drafting</li> <li>• preparation of estimates</li> <li>• Applies applied science, information and/or engineering principles based on a comprehensive understanding of a specific technology to resolve problems</li> <li>• May assume managerial or administrative responsibility for a wide range of technical endeavours, and may supervise and co-ordinate a diverse working group and train less experienced technical and professional staff</li> </ul> |