

COMPARISON BETWEEN TECHNOLOGISTS AND TECHNICIANS

Note: Areas of difference are in bold type

Area of Comparison	Applied Science Technologist	Certified Technician
Registration Requirements:	<ul style="list-style-type: none"> • Saskatchewan grade 12 diploma or equivalent • Diploma from a recognized institute of technology in an applied science or engineering technology program of two or more years, or equivalent academics that have been assessed against the Canadian Technology Standards, and approved by SASTT's Board of Examiners; OR • Successful completion of an appropriate SASTT reclassification program • An acceptable technical report or thesis • Minimum of two years of approved technical experience • Professional references • Completion of SASTT's Professional Practice and Ethics Examination 	<ul style="list-style-type: none"> • Saskatchewan grade 12 diploma or equivalent • Certificate from a recognized institute of technology in an applied science or engineering technology program of one or more years, or equivalent academics that have been assessed against the Canadian Technology Standards, and approved by SASTT's Board of Examiners; OR • Successful completion of an appropriate SASTT reclassification program • No technical report or thesis required • Minimum of two years of approved technical experience • Professional references • Completion of SASTT's Professional Practice and Ethics Examination
Typical Training Programs:	<ul style="list-style-type: none"> • Includes 21 areas of study in technology related courses, including all generic competencies and at least 6 technology major competencies outlined in the Canadian Technology Standards, and acceptable to SASTT 	<ul style="list-style-type: none"> • Includes 12 areas of study in technology related courses, including all generic competencies and at least 5 technician major competencies outlined in the Canadian Technology Standards, and acceptable to SASTT
Designation:	<ul style="list-style-type: none"> • Bound by a professional code of ethics, and is recognized by the designation Applied Science Technologist (A.Sc.T.) 	<ul style="list-style-type: none"> • Bound by a professional code of ethics, and is recognized by the designation Certified Technician (C.Tech.)
Typical Scope of Work:	<ul style="list-style-type: none"> • May work independently or under general direction • Typical duties include: <ul style="list-style-type: none"> • Designing equipment/processes • Analysis • Resolve problems • Carry out studies • Interpret / evaluate situations / data • Specify tests • Develop prototypes • Operate pilot plants / projects • Prepare specifications • Troubleshoot complex equipment • Develop solutions • Project management • Write reports • Interpret quality control • Scheduling / planning • Design modeling • Supervision • Numeric / spacial modeling • Inspect • Plan • Applies engineering principles based on a comprehensive understanding of a specific technology to resolve problems • May assume managerial or administrative responsibility for a wide range of technical endeavors, and may supervise and coordinate a diverse working group and train less experienced technical and professional staff 	<ul style="list-style-type: none"> • Works under general supervision and assists other employees • Typical duties include: <ul style="list-style-type: none"> • Inspection • Troubleshooting • Repair • Testing • Reporting • Maintenance • Estimating • Calibration • Drawing preparation • Production control • Construction supervision • Operations • Installation • Sampling / testing • Design drafting • Conduct quality control tests • Data compilation • Sales • Surveying • Model preparation • Examines assignments, objectives and instructions to select procedures and actions to resolve the assigned problem • Duties are usually in a specific area of specialization

Revised: February 2008