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TPS - the business name of SASTT

TECHNOLOGY PROFESSIONALS SASKATCHEWAN

At the time of application for registration as a professional, applicants must be working in accordance with the applicable Professional Profile. The work experience must be related to the discipline of academic training.

COMPARISON BETWEEN TECHNOLOGISTS AND TECHNICIANS (Note: Areas of difference in bold type)

Comparison Areas	Applied Science Technologist	Certified Technician
Registration Requirements:	• Saskatchewan grade 12 diploma or equivalent • **<u>Diploma</u> from an applied science or engineering technology program of <u>two or more years</u> that is recognized by Technology Professionals Saskatchewan, or equivalent academics that have been assessed against Technology Professionals Saskatchewan registration requirements and approved by Technology Professionals Saskatchewan's Examination Board; <u>OR</u>** • Successful completion of an appropriate Technology Professionals Saskatchewan reclassification program • **An acceptable technology report or thesis** • Minimum of two years of approved technical experience • Professional references • Completion of Technology Professionals Saskatchewan's Professional Practice and Ethics Examination	• Saskatchewan grade 12 diploma or equivalent • **<u>Certificate</u> from an applied science or engineering technology program of <u>one or more years</u> that is recognized by Technology Professionals Saskatchewan, or equivalent academics that have been assessed against Technology Professionals Saskatchewan registration requirements and approved by Technology Professionals Saskatchewan's Examination Board; <u>OR</u>** • Successful completion of an appropriate Technology Professionals Saskatchewan reclassification program established by Technology Professionals Saskatchewan Examination Board • **No technology report or thesis required** • Minimum of two years of approved technical experience • Professional references • Completion of Technology Professionals Saskatchewan's Professional Practice and Ethics Examination
Typical Training Programs:	• **Registration requirements includes <u>21</u> areas of study in technology related courses, including all generic competencies, and at least 6 technology major competencies outlined in the Technology Professionals Saskatchewan**	• **Includes 12 areas of study in technology related courses, including all generic competencies and at least 5 technician major competencies outlined in the Technology Professionals Saskatchewan registration requirements**
Professional Designation:	• **Bound by Technology Professionals Saskatchewan Code of Ethics and Practice Guidelines, and is recognized by the designation Applied Science Technologist (A.Sc.T.)**	• **Bound by Technology Professionals Saskatchewan Code of Ethics and Practice Guidelines, and is recognized by the designation Certified Technician (C.Tech.)**

Typical Scope of Work:	• **May work independently or under general direction**
	• **Typical duties include:**
	  • **Analysis**
	  • **Carry out studies**
	  • **Design modeling**
	  • **Designing equipment / processes**
	  • **Develop prototypes**
	  • **Develop solutions**
	  • **Estimating**
	  • **Inspect / Plan**
	  • **Interpret / evaluate situations / data**
	  • **Numeric / spacial Modeling**
	  • **Project management**
	  • **Prepare specifications**
	  • **Resolve problems**
	  • **Operate pilot plants / plants**
	  • **Scheduling / planning**
	  • **Specify tests**
	  • **Supervision**
	  • **Write reports**
	  • **Interpret quality control**
	  • **Troubleshoot complex equipment**
	• **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**
		• **May works under general supervision and assists other employees**
		• **Typical duties include:**
		  • **Calibration**
		  • **Conduct quality control tests**
		  • **Construction supervision**
		  • **Data compilation**
		  • **Design drafting**
		  • **Drawing preparation**
		  • **Estimating**
		  • **Inspection**
		  • **Installation**
		  • **Maintenance**
		  • **Model preparation**
		  • **Operations**
		  • **Production control**
		  • **Repair**
		  • **Reporting**
		  • **Sales**
		  • **Sampling / testing**
		  • **Surveying**
		  • **Testing**
		  • **Troubleshooting**
		• **Examines assignments, objectives, and instructions to select procedures and actions to resolve the assigned problem**
		• **Duties are usually in a specific area of specialization**