



REGISTRATION / ENROLLMENT INFORMATION

Technology Professionals Saskatchewan is a self-governing professional Association that registers Applied Science Technologists (A.Sc.T.), and Certified Technicians (C.Tech.) in the province.

Technology Professionals Saskatchewan registrants abide by a stringent Code of Ethics and Practice Guidelines with a mandate to protect the public. In accordance with provincial statute, Technology Professionals Saskatchewan establishes the academic, and experiential requirements for registration in the profession.

REGISTRATION / ENROLLMENT BENEFITS

Professional Designation

The primary reason Technology Professionals Saskatchewan registrants become registered is to achieve a professional designation. Far-sighted employers prefer that their employees hold a professional designation which is a mark of quality for both the individual, and the employer. Holding a professional designation indicates to your peers, your colleagues, your employer and their clients that you have met the professions standards for education, experience, and professionalism in your discipline.

Technology Professionals Saskatchewan bestows those who meet the professions standards with one of the following two designations:

A.Sc.T.	Applied Science Technologist
C.Tech.	Certified Technician

Additional Benefits

Technology Professionals Saskatchewan also offers a number of group benefits, discount offers, salary surveys, publications, networking, and professional development opportunities.

Transferability

Technology Professionals Saskatchewan registrants may transfer their credentials to other provincial registration bodies across Canada.

Registrants may register in more than one province if they so choose, however it is important to note that a professional designation can only be used in the province(s) in which the individual holds valid registration.

Application for Transfer: www.tpsk.ca

Employment Opportunities

One of the many benefits of registration / enrollment is Technology Professionals Saskatchewan Employment Referral Service. Registrants may file a resume with the Technology Professionals Saskatchewan office. Should we learn of a position in your discipline we will contact you directly. Registrants may access the secure area of Technology Professionals Saskatchewan's website to view the employment positions posted. Registrants are also requested to encourage their employer to post job opportunities on Technology Professionals Saskatchewan website.

CATEGORIES OF REGISTRATION / ENROLLMENT

Student

Students enrolled in an applied science / engineering technology program recognized by Technology Professionals Saskatchewan

are entitled to **"FREE"** Student registration.

Applications for students can be found at www.tpsk.ca .

Associate

To be eligible for Associate status, you must meet the following criteria:

Minimum academic qualifications: **Complete Grade XII, including:**

- Math 30 or equivalent, geometry, trigonometry, and physics (chemistry for chemical applicants only) or other certificates of equivalent standing;

OR

- Diploma/Certificate in an applied science/engineering technology program recognized by Technology Professionals Saskatchewan.

Minimum practical experience: None

Certified Technician

- **Minimum academic qualifications:**

A certificate in an applied science / engineering technology program that is recognized by Technology Professionals Saskatchewan or equivalent courses from other recognized institutions, or satisfactory completion of examinations established by Technology Professionals Saskatchewan's Examination Board.

- **Minimum practical experience:**

A minimum of two years progressive, work-related experience in the applicant's field of academic training. The applicant's experience shall be evaluated in accordance with the Profile of a Certified Technician and guidelines

established by Technology Professionals Saskatchewan's Registration Board.

- **Career Tracker: Submit completed Record of Professional Experience endorsed by supervisor(s).**
- **Three professional references.**
- **Passing mark on Technology Professionals Saskatchewan's Professional Practice Exam.**
- **Provide evidence of training in the Canadian Codes and Standards applicable to your discipline of academic training.** (i.e.: National Building Code, Canadian Electrical Code, Canadian Fire Code, Canadian Plumbing code).

Applied Science Technologist

- **Minimum academic qualifications:**

A diploma in an applied science / engineering technology program that is recognized by Technology Professionals Saskatchewan or equivalent courses from other recognized institutions or satisfactory completion of examinations established by Technology Professionals Saskatchewan's Examination Board.

- **Minimum practical experience:**

A minimum of two years progressive, work-related experience in the applicant's field of academic training. The applicant's experience shall be evaluated in accordance with the Profile of an Applied Science Technologist and guidelines

established by Technology Professionals Saskatchewan's Registration Board.

- **Career Tracker: Submit completed Record of Professional Experience endorsed by supervisor(s).**
- **Three professional references.**
- **Passing mark on Technology Professionals Saskatchewan's Professional Practice Exam.**
- **Provide evidence of training in the Canadian Codes and Standards applicable to your discipline of academic training.** (i.e.: National Building Code, Canadian Electrical Code, Canadian Fire Code, Canadian Plumbing code).

REGISTRATION / ENROLLMENT REQUIREMENTS

The guidelines listed below will assist with the completion of your Application for Registration / Enrollment.

Residency Requirements

Only Canadian citizens or landed immigrants are eligible to apply for registration / enrollment to Technology Professionals Saskatchewan.

Individuals in Saskatchewan on visitor or student visa are not eligible to apply.

Recognized Programs

A list of Saskatchewan applied science / engineering technology programs recognized by Technology Professionals Saskatchewan can be found on the Technology Professionals

Saskatchewan website at www.tpsk.ca. The status of programs change over time, to confirm the current recognized status of the program, please visit our website.

Non-Recognized Programs

If your academics are from a non-recognized program, Technology Professionals Saskatchewan's Examination Board will assess your credentials against the provincial registration requirements.

If your documents are not in English, you will be required to provide a certified translation.

Re-Activation or Re-Instatement of Previous Registrants

Individuals previously registered with Technology Professionals Saskatchewan should contact the Association's office for

requirements for re-activation or re-instatement of registration. Email: info@tpsks.ca or call 306.721.6633, for further information.

Members of the Canadian Forces

When members of the Canadian Forces are applying for registration / enrollment in Technology Professionals Saskatchewan, the application for registration / enrollment shall be accompanied by the following documents:

- a certified true copy of the Canadian Forces member's Unit Personnel Record (UPR) of a present job description signed by a superior officer; a current copy of a Member's Personnel Record Resume (MPRR); a Course Training Plan (CTP) and "Transcript of Marks" of courses taken further to those identified in the MPRR; a copy of the Course Report (CF 377)

or its locally produced equivalent. All copied documents must be notarized by a Canadian Forces Officer, or certified as true copies by a responsible authority.

Note: to applicants holding trade numbers in the 200 or 600 series: it is our understanding that both of the above named series of occupations are undergoing significant occupational structure changes. Some occupations are being merged, while others are being eliminated. In light of the on-going changes, military personnel may wish to obtain copies of the course material from their respective Canadian Forces schools while it is still available.

Career Tracker – Record of Professional Experience

Applicants are required to include a detailed description of their current employment. Technology Professionals Saskatchewan uses your company job description as one component of assessing your experience for the technologist and technician category. This is in addition to the Career Tracker - Record of Professional Experience form. Each job identified on this form

must be initialed by your supervisor. When assessing your post graduate discipline-related work experience, the Technology Professionals Saskatchewan's Registration Board will want to ensure that you are utilizing the technology majors in your discipline of academic training.

References

List your references in the space provided on the form. Choose three professional references who have supervised you, or are familiar with your work. Together your references must attest to 24 months post-graduate discipline-related work experience. Ask permission before volunteering a name as a reference.

For graduates of recognized cooperative education programs, Technology Professionals Saskatchewan will award a total of 6

months credit towards the 24 month requirement. If you are self-employed, you may use clients as references or ask Technology Professionals Saskatchewan to appoint a mentor. Technology Professionals Saskatchewan will send a confidential professional reference questionnaire form to each of your references. At least three completed questionnaires must be received by Technology Professionals Saskatchewan prior to your application being evaluated.

Declaration and Fee Information

Your signature at the bottom of the Application for Registration / Enrollment indicates that you have read the Technology Professionals Saskatchewan Code of Ethics and Practice

Guidelines, and agree to abide by it. Registration / enrollment fees are listed on the application. Annual professional fees are billed after a registration / enrollment category has been awarded.

The Application for Registration / Enrollment Process

After Technology Professionals Saskatchewan receives your Application for Registration / Enrollment, registration / enrollment fees, and supporting documentation, a professional reference questionnaire will be sent to the persons listed on your application as references.

Note: *The greatest delay in processing applications is often waiting for the return of the completed professional reference questionnaires. Contact your references to ensure they return the completed questionnaire as quickly as possible. The professional reference questionnaire is CONFIDENTIAL and is to be sent directly to Technology Professionals Saskatchewan.*

Technology Professionals Saskatchewan will also send you the Professional Practice Examination and all study materials.

It is based on the "*Saskatchewan Applied Science Technologists and Technicians Act*", Bylaws, and Technology Professionals Saskatchewan Code of Ethics and Practice Guidelines. *The Examination is not technical.*

For graduates of programs not recognized by Technology Professionals Saskatchewan, the application process time is dependent on receipt of all required documentation. Academic assessments are undertaken by two subject matter experts in the applicant's discipline of training prior to being submitted to the Technology Professionals Saskatchewan's Examination Board Chair.

In the event you do not meet the requirements for registration as a technologist or technician, you may qualify as an Associate while you work towards satisfying the registration requirements. Technology Professionals Saskatchewan will advise you of its decision in writing.



APPLICATION FOR REGISTRATION / ENROLLMENT

A. PERSONAL AND BUSINESS INFORMATION:

Miss Ms. Mrs. Mr.

Name: _____
First Middle Initial Surname

Maiden Name (if applicable): _____

Date of Birth: _____ Female Male Another Gender
Month Day Year

Are you now, or have you ever been, registered with an applied science / engineering technology society or association in a province of Canada? Yes No

If YES, Province: _____ Year: _____ Category of Registration: _____ Registration #: _____

Home Address:

Apartment/Suite No.: _____ Street: _____ Box No.: _____

City/Town: _____ Province: _____ Postal Code: _____

Phone Numbers (include area code) Home: _____ Cell: _____

Home Email*: _____ Preferred mailing address: Home Work

Business Information/Address:

Employer's name: _____

Address: _____ Box No.: _____

City/Town: _____ Province: _____ Postal Code: _____

Telephone (include area code): _____ Cell: _____ Fax: _____

Work Email*: _____

* Generic email addresses are **not accepted** (i.e.: abcflowers@)

I would like to be considered for registration / enrollment as (check ONE only):

- Associate (\$100.00)
- Certified Technician (\$175.00)
- Applied Science Technologist (\$175.00)
- Reclassification from Associate (Includes Professional Practice Exam Fee) (\$75.00)
- Reclassification from Technician to Technologist (\$40.00)
- Academic Assessment for graduates of a Canadian program not recognized by Technology Professionals Saskatchewan (\$200.00)
- Academic Assessment for internationally trained graduates (\$275.00)
- Reactivation / Reinstatement of previous registrant (contact the TPS office for requirements and fees).

ANNUAL PROFESSIONAL FEES will be billed once Technology Professionals Saskatchewan accepts your Application for Registration / Enrollment. Registration / enrollment fees, shown in brackets, are non-refundable and GST exempt. Fees listed include the costs for the Professional Practice Examination and the required materials. **The fee MUST accompany this form.** All fees are subject to change without notice.

B. ACADEMIC QUALIFICATIONS:

An official transcript(s) from the Registrar's Office of the institute of technical training **MUST** be submitted (**photo copies or notarized copies are not accepted**). Diplomas, certificates, and detailed course descriptions in languages other than English must be accompanied by certified translation.

RECLASSIFICATION APPLICANT: If a certified transcript(s) was supplied along with your initial Application for Registration / Enrollment, an additional copy is not required.

SECONDARY SCHOOL: (High School)

Name of School	Location	Grade 12 Diploma obtained including Math 30, or equivalent, Geo-Trig, and Physics: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> GED	Year Diploma Granted

POST-SECONDARY:

Institute, College of Applied Arts & Technology, University	Location	Years in Attendance		Diploma, Certificate, or Degree (Obtained in the field of Electrical, Civil, Mechanical, etc.)
		From	To	

PART-TIME STUDIES:

School, Institute, etc.	Location	Total Contact Hours in Program	Year	Subjects Completed Successfully

C. VERIFICATION OF CANADIAN CODES AND STANDARDS:

List courses taken which relate to the Canadian Code Standards applicable to your discipline of academic training. (i.e.: National Building Code, Canadian Electrical Code, Canadian Fire Code, Canadian Plumbing code, etc.).

Course	Location	Year

D. CO-OP WORK TERM EXPERIENCE: (if applicable)

Provide a chronological list starting with your latest work term experience. List all applicable experience to obtain maximum credit. If additional space is required, attach information on a separate sheet of paper set out in the same format.

FROM		TO		Applicant's Job Title	Supervisor's Name	Title	Employer's Name	Location
MM	YR	MM	YR					

E. EMPLOYMENT HISTORY:

Provide a chronological list starting with your current position. List all applicable experience to obtain maximum credit. If additional space is required, attach information on a separate sheet of paper set out in the same format.

FROM		TO		Applicant's Job Title	Supervisor's Name	Title	Employer's Name	Location
MM	YR	MM	YR					

F. CAREER TRACKER - RECORD OF PROFESSIONAL EXPERIENCE, AND COMPANY JOB DESCRIPTION:

All applicants are required to complete and submit the attached Technology Professionals Saskatchewan Career Tracker – Record of Professional Experience form. **Your immediate supervisor must have a professional designation: i.e., A.Sc.T., C.Tech., P.Eng., P.Geo., SLS, Architect, etc., and be able to attest to accuracy of the duties identified on the Record of Professional Experience form by initialing each job, signing, and dating all pages.** A company job description bearing your name that has been signed and dated by your employer must also be submitted. In the event your immediate supervisor does not hold a professional designation, please contact the Registrar at Technology Professionals Saskatchewan to discuss potential options such as the appointment of a Mentor.

G. REFERENCES:

Provide the name and contact information (specifically a non-generic email address) of **three** professional persons (preferably a professional A.Sc.T. or C.Tech.) who have a good knowledge of your capabilities and work experience, **ONE** of which **MUST be your immediate supervisor**. At least one reference should have a professional designation: i.e., A.Sc.T., C.Tech., P.Eng., P.Geo., etc. Technology Professionals Saskatchewan will email the **confidential** professional reference questionnaire to these individuals. **Personal references such as friends, relatives, neighbours, teachers, and college instructors are not acceptable.**

Name (Immediate Supervisor): _____	Professional Designation: _____		
Address: _____	City: _____	Province: _____	Postal Code: _____
Mandatory email address**: _____	Phone number: _____		
Name: _____	Reference Relation*: _____	Professional Designation: _____	
Address: _____	City: _____	Province: _____	Postal Code: _____
Mandatory email address**: _____	Phone number: _____		
Name: _____	Reference Relation*: _____	Professional Designation: _____	
Address: _____	City: _____	Province: _____	Postal Code: _____
Mandatory email address**: _____	Phone number: _____		

* Reference Relation: i.e.: supervisor, co-worker, manager, etc. **Generic email addresses are **not accepted** (abcflowers@).

H. TECHNOLOGY PROFESSIONALS SASKATCHEWAN PRIVACY STATEMENT, APPLICANT'S DECLARATION, AND SIGNATURE:

Technology Professionals Saskatchewan maintains address information of all registrants to keep them informed of pertinent issues and to prepare annual invoices. Technology Professionals Saskatchewan ensures that this information is secure and that the privacy of all registrants is respected. On occasion, mailing information is made available to suppliers of Technology Professionals Saskatchewan registered benefit programs or other organizations to provide registrants with information pertinent to their careers. These one-time-use agreements are strictly limited by contract for specific Technology Professionals Saskatchewan approved promotions. Registrant's email addresses are never provided to outside organizations or individuals.

Technology Professionals Saskatchewan Bylaws and Policies require that all applicants be of good character to attain registration. All applicants must answer the following questions. If you have any questions regarding these statements, contact the Technology Professionals Saskatchewan Registrar.

Definition of "Good Character"

The provincial association that application is being made to, will examine the character of an applicant to determine if he or she meets the good character requirement in any circumstances that provide reasonable grounds to believe that the applicant will not practice applied science/engineering technology in accordance with the Provincial Association's Act, Bylaws, Code of Ethics and Practice Guidelines, and in particular where the applicant:

- a) has a record for professional misconduct or incompetence
- b) has committed a criminal offense for which a pardon has not been granted pursuant to the *Criminal Records Act*
- c) has been found to be at fault in a civil action suit related to negligence in their professional practice
- d) willfully obtains or attempts to obtain registration or renewal of registration by:
 - i. cheating on an examination
 - ii. making, or cause to be made, a false statement on their application
 - iii. committing any other impropriety during the application process.

I DECLARE THAT:

- a. I have never been refused registration or had registration revoked or suspended by another applied science / engineering technology society or association licensing body.
- b. There is no record on any register of any technology organization or regulatory or licensing body of a finding against me of professional misconduct, incapacity or incompetence.
- c. I have never been found guilty of any offence under the "Saskatchewan Applied Science Technologists and Technicians Act" or Bylaws, or another regulatory body.

I hereby certify that the information completed in this Application for Registration / Enrollment, and any attachment hereto, is true and correct to the best of my knowledge. I agree that the professional reference questionnaires provided by my references are strictly confidential to Technology Professionals Saskatchewan.

I have read the Technology Professionals Saskatchewan Code of Ethics and Practice Guidelines located on the Technology Professionals Saskatchewan website at www.tpsk.ca, and I agree to abide by them. I understand that any certificate(s) of registration, registration card and professional seal or stamp issued by the Association remains the property of Technology Professionals Saskatchewan and shall be returned if my registration should cease for any reason.

Date: _____ Signature: _____
MONTH DAY YEAR

Upon acceptance, a registration /enrollment certificate will be issued. **Indicate below the exact way in which you wish your name to appear on this certificate. PLEASE PRINT.** (Allowance: One given name, middle initial(s), and a surname.)

_____ Given Name Middle Initial(s) Surname

I. PAYMENT METHOD:

VISA MASTERCARD

CHEQUE / MONEY ORDER ENCLOSED (MADE PAYABLE TO: Technology Professionals Saskatchewan)

Amount: \$ _____

Card Number: _____ Expiry Date: _____ / _____ CVV: _____
Month Year

Name of Cardholder: _____ Signature: _____

FINAL CHECKLIST – Have You . . .

- Included the Application for Registration / Enrollment fee?
- Provided your official transcript(s) of marks?
- Included your generic company job description bearing your name that has been signed and dated by your current supervisor?
- Included the Career Tracker – Record of Professional Experience form, signed, dated, and all jobs initialed by your supervisor?
- Included proof of your Canadian Citizenship, Canadian Permanent Resident Card, Landed Immigrant Status, or Work Permit?
- Included copies of two pieces of government issued photo identification or other legal identification documentation accepted by TPS?
- If you are a member of the Canadian Forces included a certified true copy of the Canadian Forces member's Unit Personnel Record (UPR) of a present job description signed by a superior officer; a current copy of a Member's Personnel Record Resume (MPRR); a Course Training Plan (CTP) and "Transcript of Marks" of courses taken further to those identified in the MPRR; a copy of the Course Report (CF 377) or its locally produced equivalent? All copied documents must be notarized by a Canadian Forces Officer, or certified as true copies by a responsible authority.
- Included your official detailed course(s) outline(s) which **must** be provided if you achieved your academics from a non-recognized program? Your course(s) outline(s) must be certified from the college / institution, the program you attended, and the year(s) you attended the program. Note: Foreign language documentation must be accompanied by a certified English translation document.
- Include a legal change of name form (i.e. Marriage Certificate, etc.) if your legal name that appears on this Application for Registration / Enrollment **does not** correspond with your name on all documentation submitted?



CAREER TRACKER – RECORD OF PROFESSIONAL EXPERIENCE

Introduction:

The purpose of the Career Tracker is to help ensure:

- i. the development of the Applied Science Technologist (A.Sc.T.) / Certified Technician (C.Tech.) into a technically and proficient member of the Professional Design Team; and
- ii. an understanding of the roll of the A.Sc.T. / C.Tech. in relation to their employer, clients, professional association, and the public.

A.Sc.T.(s) / C.Tech.(s) are responsible for their own success and development of their career.

Documenting specific work experience will help to ensure that the applicant has:

- i. the required work experience in their discipline for professional status as an A.Sc.T. or a C.Tech.;
- ii. developed ethical and professional work habits, and;
- iii. developed a good knowledge base.

Professional experience includes work completed under general supervision, technical knowledge of performance standards, and education. Original thinking in the analysis of a problem is required to achieve the end results. The professional has the ability to make decisions pertaining to their work and assumes technical responsibility in developing the end result.

Information Required:

Report, skills development, application of theory, practical experience, supervision, design, etc. Writing must be concise. It is important to be specific in describing the work you did and/or projects you undertook. Specify your role in larger projects and where you were part of a team. Identify your progression from previous work experience.

The immediate supervisor is to review the information for each project and initial at the right hand side. At project completion the immediate supervisor is to review all information and fill out the bottom of the page. The immediate supervisor must have a professional designation: i.e., A.Sc.T., C.Tech., P.Eng., P.Geo., SLS, Architect, etc., and be able to attest to accuracy of the duties identified on the Record of Professional Experience form by initialing each job, signing, and dating all pages. In the event your immediate supervisor does not have a professional designation, please contact Technology Professionals Saskatchewan for Mentor program information.

At times the Technology Professionals Saskatchewan's Registration Board and Technology Professionals Saskatchewan's Examination Board may request additional information if a change in employer or a significant change in job function is found.

Technology Professionals Saskatchewan's Registration Board and Technology Professionals Saskatchewan's Examination Board uses the Career Tracker to aid in assessing the qualifications for a professional designation as an A.Sc.T. or a C.Tech. Therefore, you must be specific in your description, and elaborate on your daily work activities following within the Professional Profile.



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:	<ul style="list-style-type: none"> Saskatchewan grade 12 diploma or equivalent Diploma from an applied science or engineering technology program of two or more years 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; OR 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 	<ul style="list-style-type: none"> Saskatchewan grade 12 diploma or equivalent Certificate from an applied science or engineering technology program of one or more years 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; OR 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:	<ul style="list-style-type: none"> Registration requirements includes 21 areas of study in technology related courses, including all generic competencies, and at least 6 technology major competencies outlined in the Technology Professionals Saskatchewan 	<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 Technology Professionals Saskatchewan registration requirements
Professional Designation:	<ul style="list-style-type: none"> Bound by Technology Professionals Saskatchewan Code of Ethics and Practice Guidelines, and is recognized by the designation Applied Science Technologist (A.Sc.T.) 	<ul style="list-style-type: none"> 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:	<ul style="list-style-type: none"> May work independently or under general direction Typical duties include: <ul style="list-style-type: none"> Analysis Project management Carry out studies Prepare specifications Design modeling Resolve problems Designing equipment / processes Operate pilot plants / plants Develop prototypes Scheduling / planning Develop solutions Specify tests Estimating Supervision Inspect / Plan Write reports Interpret / evaluate situations / data Interpret quality control Numeric / spacial Modeling 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 	<ul style="list-style-type: none"> May works under general supervision and assists other employees Typical duties include: <ul style="list-style-type: none"> Calibration Model preparation Conduct quality control tests Operations Construction supervision Production control Data compilation Repair Design drafting Reporting Drawing preparation Sales Estimating Sampling / testing Inspection Surveying Installation Testing Maintenance 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



PROFILE OF A PROFESSIONAL APPLIED SCIENCE TECHNOLOGIST

An **Applied Science Technologist** (hereinafter referred to as the technologist) is a professional who, through academic training and experience in the application of mathematics and engineering or scientific principles, is capable of assuming responsibility and of exercising independent judgement in the field of applied science or engineering technology in which training has been achieved. By virtue of this training and experience, a Canadian technologist is prepared to take final responsibility for all aspects of work within this field of training.

EDUCATION AND TRAINING:

The academic training for a technologist is based upon a core of applied mathematics and engineering / science fundamentals. The mathematics core includes topics such as differential equations, integration, Math 30 or equivalent, analytical geometry, trigonometry, statistics, and computer related mathematics, permitting the technologist to use mathematics as a tool in the synthesis of designs or in the analysis of the technical problems of the field of discipline. The engineering and science fundamentals provide a firm base along with mathematics for training in the applied science / engineering technology applicable to a particular branch or specialty of technology. The academic and theoretical portion of a program of training is suitably reinforced by laboratory and project experience amounting to approximately one-third of the total program.

REGISTRATION:

An individual who successfully completes the examinations of a provincial association, or who graduates from a program recognized by Technology Professionals Saskatchewan at the technologist level, or who otherwise meets the academic standards established by the registration body, may on completion of at least two years of acceptable practical experience in an area of work directly related to the area of academic achievement, be registered as an Applied Science Technologist.

CAREER OPPORTUNITIES:

The technologist may carry out a wide range of complex work processes in the specialty and identified field of technology in which registration was granted. Employment or career opportunities exist in most phases of industry, consulting, business, government, and public organizations.

Typical areas would include design, marketing, sales, estimating, research and development, production control, purchasing, operations and production, testing, quality management, maintenance, customer and field service, management and supervision of projects and people, instruction and teaching. Such work may be independent or in association with other professionals as part of a team.

DUTIES AND RESPONSIBILITIES:

The technologist uses an applied approach based upon a comprehensive understanding of the field of technology in which registration was granted. The technologist evaluates assignments, establishes objectives, defines problems, and determines procedures and actions to resolve the problems.

The technologist may:

- design equipment, processes or systems; analyze; plan; interpret and prepare specifications; technical drawings or instructions; prepare estimates, and manage projects;
- specify tests; conduct non-routine tests; develop prototypes; operate pilot plants; troubleshoot complex equipment; resolve production or construction problems; compile experimental data or prepare reports;
- supervise, train, coordinate and assume administrative responsibility for the work of others and participate in short and long range planning.

The technologist carries out studies, makes calculations, prepares or develops programs, provides instructions, or implements projects.

The Applied Science Technologist will assume responsibility for his/her work and is at all times bound by a professional Code of Ethics. Depending on the province in which registration is granted, he/she will be identified by one of the following professional designations: AScT; CET; TScA; RET; TP; PTech. He/she will be identified in Saskatchewan by the following professional designation:

A.Sc.T.



PROFILE OF A PROFESSIONAL CERTIFIED TECHNICIAN

A **Certified Technician** (hereinafter referred to as the technician) is a professional who, through academic training and experience in the application of mathematics and engineering or scientific principles, is capable of accepting responsibility and of exercising judgment in the specialized portion of the field of applied science or engineering technology in which training has been achieved. By virtue of this training and experience, a Canadian technician is often delegated responsibility for aspects of work within this specialized portion of the field of training.

EDUCATION AND TRAINING:

The academic training for a technician is based upon a core of applied mathematics and engineering / science fundamentals. The mathematics core would include topics such as Math 30 or equivalent, geometry, trigonometry, descriptive statistics, computer applications and introductory calculus, to the extent required for the explanation of technical components of the specialized areas of training. The technician will use mathematics as a tool in the solution of the technical problems of his/her specialized field. The engineering and science fundamentals provide a firm base along with mathematics for specialized training which normally invokes empirical rather than analytical solutions to technical problems. The academic and theoretical portion of a program of training is suitably reinforced by laboratory and project experience amounting to approximately one-half of the total program.

REGISTRATION:

An individual who successfully completes the examinations of a provincial association, or who graduates from a program recognized by Technology Professionals Saskatchewan at the technician level, or who otherwise meets the academic standards established by the registration body, may on completion of at least two years of acceptable practical experience in an area of work directly related to the area of academic achievement, be registered as a Certified Technician.

CAREER OPPORTUNITIES:

A technician may carry out a variety of technical work processes in the area of specialization in which registration was granted. Employment or career opportunities exist in many phases of industry, consulting, business, government, and public organizations. Typical areas would include design, marketing, sales, estimating, research and development, production control, purchasing, operations and production, testing, quality control, maintenance, customer and field service, supervision of projects and people, instruction and training. Such work is usually in association with other professionals as part of a team.

DUTIES AND RESPONSIBILITIES:

The technician generally uses a practical approach based upon a detailed understanding of the field of technology in which registration was granted. The technician examines his/her assignments, objectives and instructions to select procedures and actions to resolve the assigned problem.

The technician may:

- design assist in the design of equipment or systems; assist in the interpretation and preparation or modification of specifications, technical drawings or instructions; prepare estimates; and supervise phases of major projects;
- conduct tests; build prototypes of models; operate pilot plants; trouble-shoot equipment; resolve production or construction problems; compile data and reports; supervise phases of construction projects; inspect construction projects; conduct tests, surveys or prepare estimates for construction activities; trouble-shoot, service, calibrate or supervise the repair or installation of equipment processes or products;
- provide support for operations activities including supervision of operations or operation-related activities such as quality assurance, production control and maintenance;
- provide support in laboratory environments by conducting experiments; conducting tests or servicing complex equipment in support of research and development, quality control or academic activities;
- supervise, train, and coordinate the activities of others.

While some duties of the technician may be similar to skilled craftsmen or tradesmen, these would not normally be of a routine nature and would normally apply on sophisticated equipment or processes. Many of the duties of the technician will be similar to the duties of technologists and other professionals but these will normally be in a very selective area of specialization.

The Certified Technician may, through long experience in the field, become recognized as a technical expert in a well defined specialty and will assume responsibility for his/her work, and at all times be bound by a professional Code of Ethics. All Canadian provinces identify a Certified Technician by the following professional designation:

C.Tech.



How to use your Career Tracker – Record of Professional Experience

- It is easier to record your work experience as you progress towards achieving professional status.
- Fill out your Career Tracker on a daily or weekly basis.

All entries should include:

1) Project dates; 2) Detailed description of the duties performed during the project; 3) Initials for verification by immediate supervisor. Your immediate supervisor must have a professional designation: i.e., A.Sc.T., C.Tech., P.Eng., P.Geo., SLS, Architect, etc., and be able to attest to accuracy of the duties identified on the Record of Professional Experience form by initialing each job, signing, and dating all pages. In the event your immediate supervisor does not have a professional designation, please contact Technology Professionals Saskatchewan for Mentor program information.

NOTE: The Career Tracker is used by the Technology Professionals Saskatchewan Registration Board to determine if sufficient work experience exists in the appropriate areas for the classification of registration / enrollment sought.

DETAILED SAMPLE

PROJECT DATES FROM MM/DD/YY	PROJECT DATES TO MM/DD/YY	DETAILED DESCRIPTION OF DUTIES PERFORMED DURING THE PROJECT: <u>The work experience must be related to the discipline of academic training.</u> PLEASE PRINT (Use additional pages in this format, if necessary.)	Verification by Immediate Supervisor
01/06/07	12/07/07	Commercial Office Complex—Prince Developments 20,000 square feet	
		Prepare construction documents (technical drawings and specifications)	
		Prepare certain architectural presentation documents	
		Prepare cost estimate data	
		Lead the technical team in production of construction documents	
		Shop drawing reviews	
		Bid material reviews	
		Contract administration	JS
05/02/07	08/06/07	Major Parking Lot for Federal Government	
		Supervise survey data collection, and interpret survey data	
		Preliminary design, and prepare preliminary cost estimation	
		Develop and prepare preliminary design report	
		Direct meetings; and direct CAD operator	
		Complete detailed design	
		Prepare specifications and prepare detailed project cost estimation	
		Complete tender documents	
		Chair tender opening, and chair preconstruction meeting	
		Perform on-site construction inspection, and perform construction stakeout	
		Review shop drawings	
		Complete record drawings and complete project closing report	
		Conduct construction meetings	JS

<p>Immediate supervisor to initial beside each project and to verify that the activities recorded are complete and accurate.</p> <p>PLEASE PRINT immediate supervisor's name and professional designation, applicant's name, and company name.</p> <p>Immediate supervisor's signature, telephone number, email and date.</p>	<p>I, <u>John Smith</u>, <u>A.Sc.T.</u> (print immediate supervisor's name) (Professional Designation)</p> <p>Verify the above job description accurately portrays the expectations of</p> <p><u>Leo Newmeyer</u> (print applicant's name)</p> <p>an employee of <u>ABC123 Engineering</u> (print company name)</p> <p><u>John Smith</u> Signature of immediate supervisor</p> <p>Phone: <u>306-555-1212</u> Email: <u>email@email.com</u></p> <p>Date: <u>09/01/2013</u> MM/DD/YYYY</p>
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Applicant's Name: _____ Title: _____

Company: _____ Location: _____

RECORD OF PROFESSIONAL EXPERIENCE

Table with 4 columns: PROJECT DATES FROM MM/DD/YY, PROJECT DATES TO MM/DD/YY, DETAILED DESCRIPTION OF DUTIES PERFORMED DURING THE PROJECT: The work experience must be related to the discipline of academic training. PLEASE PRINT (Use additional pages in this format, if necessary.), Verification by Immediate Supervisor. Multiple empty rows for data entry.

FOR INTERNAL USE ONLY
Job description meets the requirements of a: [] Technologist [] Technician [] Neither
REVIEWED BY:
1. _____ Examiner MM/DD/YYYY
2. _____ Examiner MM/DD/YYYY
Examiner Notes:
Date: _____ MM/DD/YYYY

I, _____ (print immediate supervisor's name), _____ (Professional Designation)
verify the above job description accurately portrays the
expectations of _____ (print applicant's name)
an employee of _____ (print company name)
Signature of immediate supervisor
Phone: _____ Email: _____
Date: _____ MM/DD/YYYY



Applicant's Name: _____ Title: _____

Company: _____ Location: _____

RECORD OF PROFESSIONAL EXPERIENCE

PROJECT DATES FROM MM/DD/YY	PROJECT DATES TO MM/DD/YY	DETAILED DESCRIPTION OF DUTIES PERFORMED DURING THE PROJECT: <u>The work experience must be related to the discipline of academic training.</u> PLEASE PRINT (Use additional pages in this format, if necessary.)	Verification by Immediate Supervisor

FOR INTERNAL USE ONLY

Job description meets the requirements of a: Technologist
 Technician
 Neither

REVIEWED BY:

1. _____ MM/DD/YYYY
 Examiner

2. _____ MM/DD/YYYY
 Examiner

Examiner Notes:

Date: _____
 MM/DD/YYYY

I, _____,
 (print immediate supervisor's name) (Professional Designation)

verify the above job description accurately portrays the
 expectations of _____,
 (print applicant's name)

an employee of _____.
 (print company name)

Signature of immediate supervisor

Phone: _____ Email: _____

Date: _____
 MM/DD/YYYY



Applicant's Name: _____ Title: _____

Company: _____ Location: _____

RECORD OF PROFESSIONAL EXPERIENCE

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FOR INTERNAL USE ONLY

Job description meets the requirements of a: Technologist
 Technician
 Neither

REVIEWED BY:

1. _____ Examiner MM/DD/YYYY

2. _____ Examiner MM/DD/YYYY

Examiner Notes:

Date: _____ MM/DD/YYYY

I, _____ (print immediate supervisor's name), _____ (Professional Designation)
 verify the above job description accurately portrays the expectations of _____ (print applicant's name)
 an employee of _____ (print company name).

Signature of immediate supervisor

Phone: _____ Email: _____

Date: _____ MM/DD/YYYY

Applicant's Name: _____ Title: _____

Company: _____ Location: _____

RECORD OF PROFESSIONAL EXPERIENCE

PROJECT DATES FROM MM/DD/YY	PROJECT DATES TO MM/DD/YY	DETAILED DESCRIPTION OF DUTIES PERFORMED DURING THE PROJECT: <u>The work experience must be related to the discipline of academic training.</u> PLEASE PRINT (Use additional pages in this format, if necessary.)	Verification by Immediate Supervisor

<p>FOR INTERNAL USE ONLY</p> <p>Job description meets the requirements of a: <input type="checkbox"/> Technologist <input type="checkbox"/> Technician <input type="checkbox"/> Neither</p> <p>REVIEWED BY:</p> <p>1. _____ Examiner _____ MM/DD/YYYY</p> <p>2. _____ Examiner _____ MM/DD/YYYY</p> <p>Examiner Notes:</p> <div style="border: 1px solid black; height: 60px; width: 100%;"></div> <p>Date: _____ MM/DD/YYYY</p>	<p>I, _____ (print immediate supervisor's name), _____ (Professional Designation) verify the above job description accurately portrays the expectations of _____ (print applicant's name) an employee of _____ (print company name).</p> <p>_____ <i>Signature of immediate supervisor</i></p> <p>Phone: _____ Email: _____</p> <p>Date: _____ MM/DD/YYYY</p>
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Applicant's Name: _____ Title: _____

Company: _____ Location: _____

RECORD OF PROFESSIONAL EXPERIENCE

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FOR INTERNAL USE ONLY

Job description meets the requirements of a: Technologist
 Technician
 Neither

REVIEWED BY:

1. _____ Examiner MM/DD/YYYY

2. _____ Examiner MM/DD/YYYY

Examiner Notes:

Date: _____
MM/DD/YYYY

I, _____
(print immediate supervisor's name) (Professional Designation)
verify the above job description accurately portrays the
expectations of _____
(print applicant's name)
an employee of _____
(print company name)

Signature of immediate supervisor

Phone: _____ Email: _____

Date: _____
MM/DD/YYYY