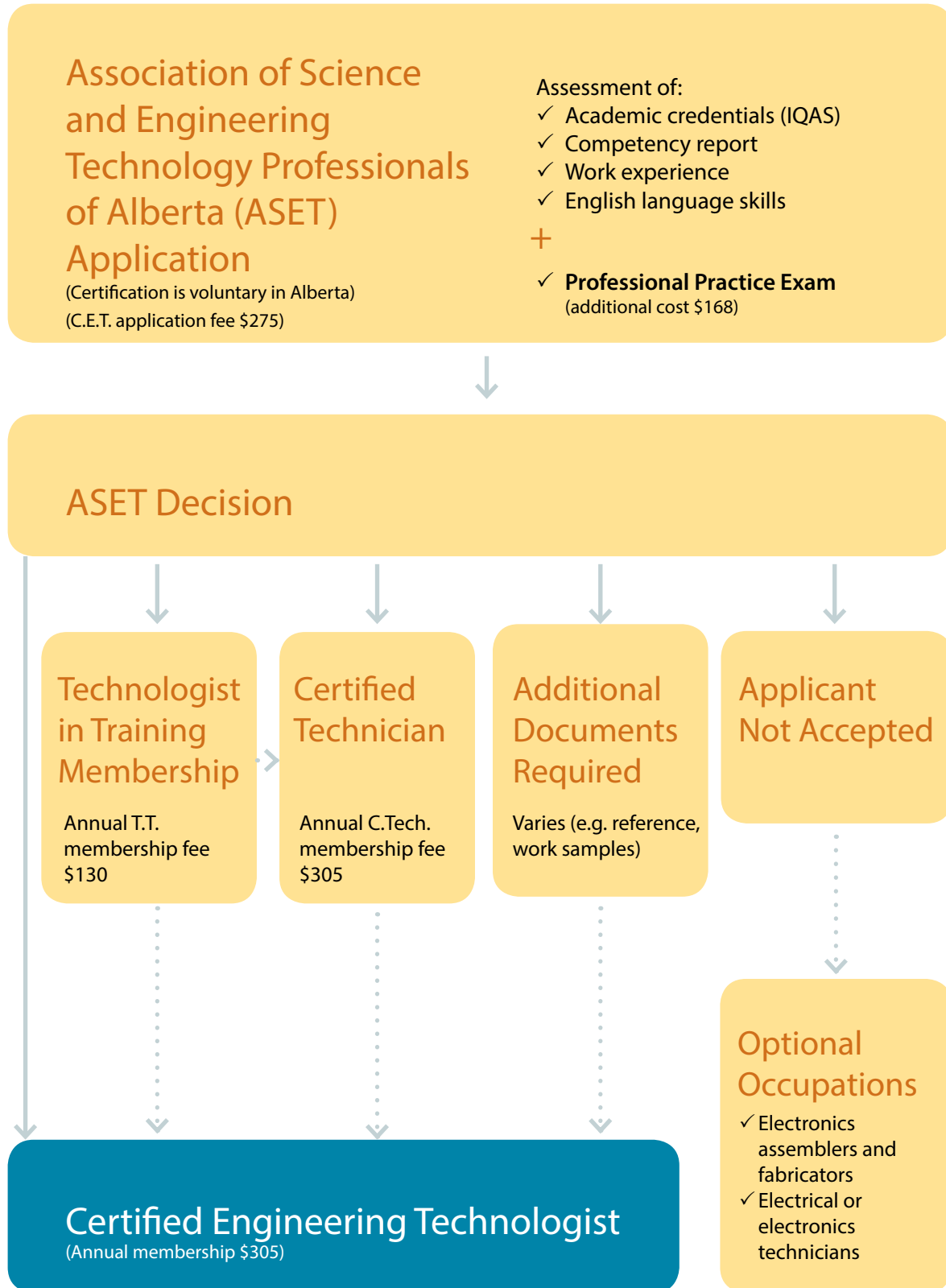


Electrical Engineering Technologist

Certification Process



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Description of Occupation

Electrical Engineering Technologists apply their knowledge of electrical theory to analyze existing electrical systems in the context of current infrastructure, technical specifications, regulatory requirements, industry standards, and local codes, and to design and implement electrical systems that meet the requirements of internal and external clients. In addition, they verify that electrical systems were designed and operate as intended. They may work on their own or with other technologists and engineers.

Electrical Engineering Technologists assume responsibility and exercise independent judgment to perform technical tasks and solve problems in complex technological areas with limited direct supervision. Their job duties include designing and implementing electrical systems that meet the requirements of stakeholders. They review their own designs prior to approval submission and provide technical support regarding safety and technical specifications as required. Other duties include implementing projects to ensure the quality of deliverables, customer satisfaction and adherence to schedules and budgets.

Obtaining Certification in Alberta

Certification with the Association of Science and Engineering Technology Professionals of Alberta (ASET) is voluntary. However, many Alberta employers prefer to hire Electrical Engineering Technologists who are certified with ASET. Holding ASET certification can give you an advantage when looking for a job or trying to advance your career. ASET has various levels of certification. ASET members can move from level to level over the course of their careers.

Internationally educated Electrical Engineering Technologists can apply to ASET for the Certified Engineering Technologist (C.E.T.) designation if:

- Your academic program is the equivalent to a two-year technologist diploma program in Canada or higher as verified by a recognized international credential assessment (International Qualifications Assessment Service (IQAS) or equivalent)
- You have a minimum of two (2) years of relevant electrical engineering technology work experience, including at least nine (9) months at the technologist level, as verified by your application documentation

If you don't meet these requirements, you may qualify for registration as a Technician/Technologist-in- Training (T.T.) or a Certified Technician (C.Tech.) while you work toward the C.E.T. designation.

Complete the **online application form** and provide detailed and accurate answers to all questions. An original or notarized copy of your international credential assessment must be mailed to ASET at this address:

Association of Science and Engineering Technology Professionals of Alberta
1600, 9888 Jasper Ave
Edmonton, Alberta T5J 5C6

All other application documentation can be submitted via ASET's online application system at www.aset.ab.ca.

Residency Requirement

Only Canadian citizens, permanent residents, or individuals lawfully entitled to work in Canada may apply for ASET certification and membership. You will be required to submit a copy of a valid work permit, if applicable. Individuals in Alberta on visitor or student visas are not eligible to apply.

Certification Requirements

Internationally educated Electrical Engineering Technologists must meet the following membership requirements:

1. *Academic Credentials*

A diploma in electrical engineering technology (or equivalent) is the minimum requirement.

- Contact the school you graduated from and ask for an official copy of your academic transcripts. Transcripts are required in order to obtain an international credential assessment. Some assessment services may require your transcripts be sent directly from the issuing institution.
- Obtain a basic international credential assessment from a member of the [Alliance of Credential Evaluation Services of Canada](#) (IQAS is the service provider in Alberta but ASET will recognize assessments from other members of the alliance).
- Mail an original or notarized copy of your basic international credential assessment to ASET.

ASET Staff will conduct an initial review of your application form and international credential assessment to confirm whether you qualify for C.Tech. or C.E.T.

2. *Competency Report*

All applicants for certification must complete a Competency Report to demonstrate the theoretical and practical skills and knowledge necessary to perform safely and competently as an electrical engineering technologist in Alberta.

The Competency Report requires you to provide written examples of how you demonstrated in the workplace the six (6) key competencies required of electrical engineering technologists. Detailed instructions are provided to assist you with completing your report. Your report must be signed by a supervisor with direct knowledge of your work. A minimum of five (5) competencies must be demonstrated at the technologist level to qualify for C.E.T.

3. Work Experience

For the C.E.T. designation, you must have a minimum of two (2) years of relevant electrical engineering technology work experience, including at least nine (9) months at the technologist level. You will require.

- At least three (3) professional references to validate your work experience. ASET recognizes work experience obtained outside of Canada. This work experience must be validated by a reference(s) with direct knowledge of your work.
- A resumé detailing your work experience.
- A job description outlining the responsibilities of your current position. Include your job title, section, department, company, the date you started your job and the title of your supervisor. Include all job duties, such as budget responsibilities or number of staff supervised or managed. Describe specific functions or equipment used in your job and how you used them. You must have your supervisor verify your job description by signing each page.

Note: If you do not yet have the necessary technologist level work experience for C.E.T., you may be eligible for T.T. or C.Tech. membership while working towards your C.E.T. registration.

4. English Language Proficiency

If you are not a graduate of an academic program delivered in English, you must provide:

- The results of a recognized test for English language competency (TOEFL, IELTS, CLB, CAEL)
- or**
- A letter, signed by your supervisor, outlining how you became proficient in the English language.

5. Examinations

Once academic qualifications and experience are confirmed, C.E.T. applicants must pass a Professional Practice Exam. You will be provided with information on necessary study materials and will be able to select from a range of upcoming dates and locations to write the exam. Exams are available in English only. You will be required to pay for the cost of exam and study materials.

Payment

The following fees apply for all applicants. All fees are in Canadian dollars. Fees are subject to change. See ASET website for the most up-to-date fees.

T.T. Membership Application Fee	Free
C.Tech. Membership Application Fee	\$275
C.E.T. Membership Application Fee	\$275
Professional Practice Exam	\$168
T.T. Annual Membership Dues	\$130
C.Tech and C.E.T. Annual Membership Dues	\$305

Average Earnings

The overall average earnings for Electrical and Electronics Engineering Technologists and Technicians, according to the Alberta 2013 Wage and Salary survey:

Average hours worked per week	38.7
Average wage per hour	\$36.59
Average salary per year	\$73,485

Employment Options

You can also consider working in Alberta in related occupations such as Electronics Assemblers and Fabricators or other electrical or electronics technician occupations.

For more information about additional employment options, go to the following website: [Alberta Learning Information Service \(ALIS\) Occupational Profiles — Electrical Engineering Technologist](http://www.alis.alberta.ca/occinfo) (www.alis.alberta.ca/occinfo).

For information on the difference between technicians and technologists in Alberta, see the related response under Forms and Additional Resources on ASET's website: [Technicians and Technologists](#).

Contact Information

Association of Science and Engineering Technology Professionals of Alberta
 1600, 9888 Jasper Ave
 Edmonton, Alberta
 T5J 5C6
 Telephone: 780-425-0626
 Fax: 780-424-5053
 Email: registration@aset.ab.ca
 Website: www.aset.ab.ca

Resources

This information is an overview of the certification process. For the most current information on Electrical Engineering Technologist certification visit the ASET website at www.aset.ab.ca.

Application Information:

[T.T. Application Information](#)
[C.Tech. Application Information](#)
[C.E.T. Application Information](#)

Academic Credential Assessment:

[International Qualifications Assessment Service \(IQAS\)](#)
[Alliance of Credential Evaluation Services of Canada](#)

English Language:

[English Language Competency](#)