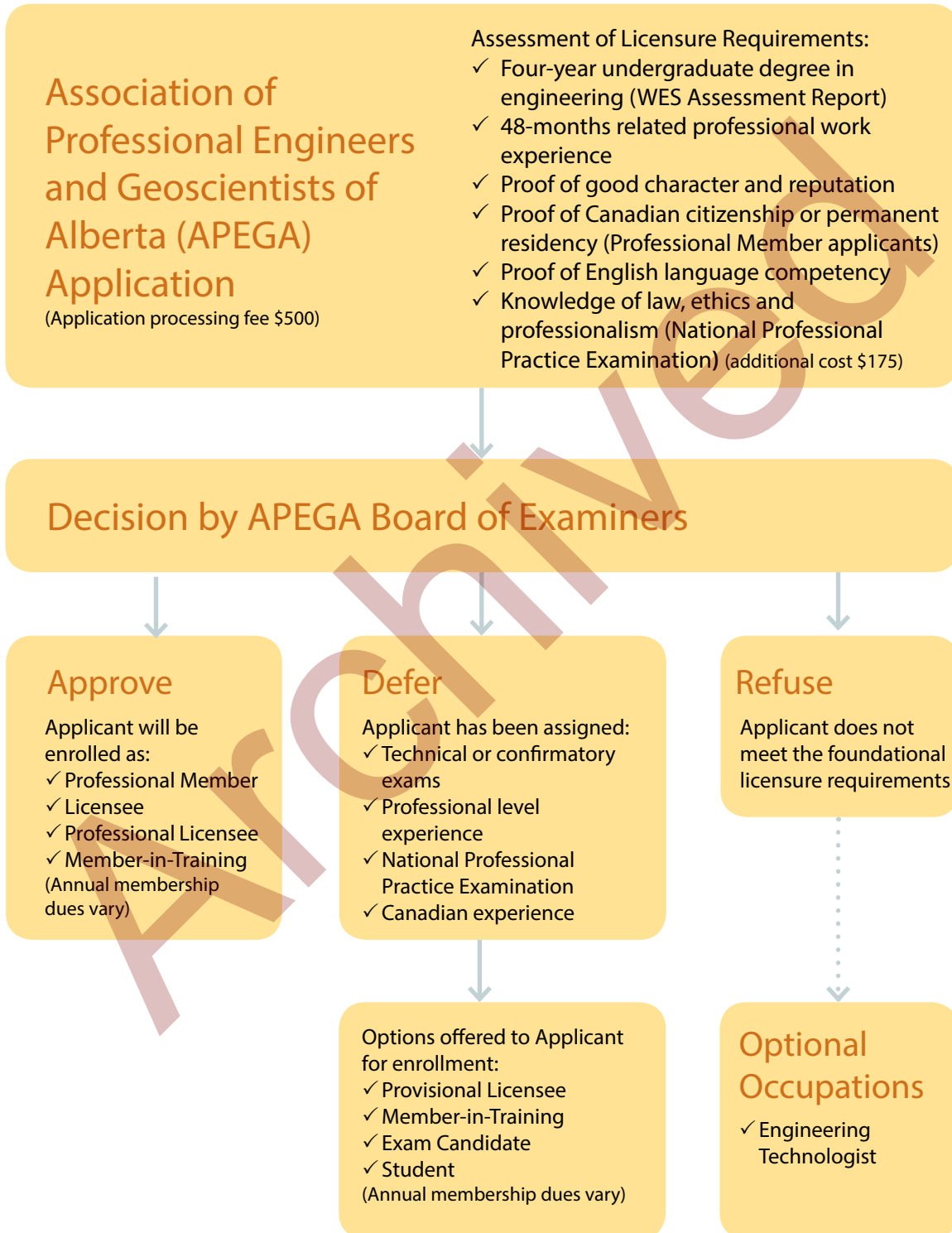


# Professional Engineer

## Licensing Process



## Professional Engineer

### Licensing Process

#### Description of Occupation

Engineers design products, processes and systems that protect the environment, and/or enhance the quality of life, health, safety and well-being of the public. They also manage world-leading companies at the forefront of emerging technologies. There are many sub-disciplines of engineering.

**Chemical engineers** research, design and develop chemical processes and equipment, as well as oversee and maintain processing plants. They adapt and optimize production methods for large-scale, commercial and industrial production. Chemical Engineers can be employed in research and development, process design and plant operations.

**Civil engineers** plan, design and supervise the construction, maintenance and decommissioning of a wide variety of public and private structures and facilities.

**Computer engineers** specify, design, construct, analyze and test digital hardware and software systems.

**Electrical engineers** specify, design, construct, analyze and test electrical and electronic components and systems, and are responsible for their safe operation.

**Mechanical engineers** research, design and evaluate machines, devices, equipment, systems and processes, and plan and oversee their development, installation, operation and maintenance.

**Petroleum engineers** are involved in the exploration and development of oil and gas. They apply the principles of geology, physics, chemistry and engineering sciences to the recovery of petroleum and natural gas from conventional reservoirs and oil sands.

#### Obtaining Licensure in Alberta

Professional Engineers (P.Eng.) must be licensed by the Association of Professional Engineers and Geoscientists of Alberta (APEGA) to practice in Alberta.

Internationally trained engineers can and should begin the application process before they arrive in Alberta. You should apply to APEGA as a Professional Member using the online application form. You must have four (4) or more years of engineering experience to apply to be a Professional Member. If you do not have four (4) or more years of experience, you must apply to be a Member-in-Training.

Links to the application forms and other resources are at the end of this document.

#### Licensing Requirements

Internationally trained engineers must meet the following licensing requirements:

##### 1. Academic Credentials

An undergraduate degree in engineering is required. You will require:

- ICAP Course-by-Course report from WES for all your degrees obtained outside of Canada
- If you have obtained any undergraduate or post-graduate degrees from a Canadian University, you must arrange for your transcripts to be forwarded directly to APEGA.

## 2. **Academic Assessment Report**

If your post-secondary degrees are from a university outside of Canada, you must obtain an academic assessment of your academic records. APEGA uses World Education Services (WES) to obtain an academic credential evaluation report. WES provides this report to APEGA directly, which will be considered as part of your application.

After registering with APEGA and receiving an ID number, you will be directed to the WES website to continue the application process. Please follow the instructions provided by WES to receive a WES International Credential Advantage Package (ICAP) course-by-course report. WES will send the completed evaluation report to APEGA.

## 3. **Work Experience**

You will need four (4) years of experience working professionally as an engineer.

- Enter your work experience information in the Work Experience Record document (as part of the application).
- If your work experience is from outside of Canada, describe your familiarity with Canadian practices within your profession
- APEGA will contact supervisors and references for verification of experience, character and English language competency.
- It is important to inform current and past employers that they will be contacted by APEGA to verify work experience duties and length of employment details.

## 4. **Good Character and Reputation**

To apply for an APEGA license, you must show that you have a good character and reputation. Your application includes a declaration form with a series of questions to determine your character. Answering yes to a question may not disqualify you from applying. However, answering falsely may disqualify you.

Good character and reputation will also be confirmed by the references you provide. You must have a minimum of three references who:

- have had first-hand knowledge of your experience
- can confirm your work experience for completing a questionnaire
- have supervised your work or accepted responsibility for your work

To submit your references, list their names and business email addresses and full mailing addresses in the reference section of the work experience record when you apply. Personal email addresses (such as Gmail or Yahoo) are not accepted.

## 5. **Citizenship**

To become a Professional Engineer (P.Eng.), you must provide proof of Canadian citizenship or permanent resident status. Email APEGA a copy of your citizenship document at [registration@apega.ca](mailto:registration@apega.ca) or upload it to your application before submitting it.

If you were born outside of Canada, APEGA will accept a copy of your:

- Permanent Resident card or form;
- citizenship card or form; or
- valid Canadian passport.

APEGA will not accept work visas, unsigned immigration documents or driver's licenses.

## 6. **Payment**

Provide payment with your Application for Registration. Payment summary is at the end of this document.

- You can send a money order, certified cheque or enter a credit card number in the application.

## 7. **English Language**

If English is not your native language or your undergraduate courses were not in English, you must show your competency in written and spoken English before you register as a Professional Member.

You must meet one (1) of the following requirements:

- A TOEFL (Test of English as a Foreign Language) score of 100 or more on the internet-based (iTOEF) test.
- A one-page handwritten letter, describing how you gained spoken and written English proficiency and how you use English to communicate in an engineering academic or work environment. APEGA will evaluate the handwritten letter.

## 8. **Examinations**

You must write and pass the National Professional Practice Examination (NPPE). Technical Exams may also be required.

### a) **National Professional Practice Examination (NPPE)**

- The NPPE tests applicants on professionalism, law and ethics.
- The test is computer-based, two-and-a-half (2.5) hours long and includes 110 multiple-choice questions.
- The minimum passing mark is 65 per cent.
- Applicants must have an active application for APEGA and have at least two (2) years of engineering work experience to be eligible to apply to write the NPPE.
- Applicants may apply to write the NPPE before they receive their APEGA application assessment.
- It is sometimes possible for applicants to write the NPPE outside of Canada, but this must be requested in the application to write the exam.

### b) **Confirmatory Exam**

- Upon first review of the Application for Registration, APEGA may require applicants to write the Fundamentals of Engineering Exam to confirm their level of education. If your engineering discipline is not covered in the Fundamentals of Engineering exam, you may be required to write Technical Exams.

## Licensee

Licensee is the designation APEGA gives to an individual who has met the all of the academic and experience requirements for licensure in engineering but who is not yet a Canadian citizen or Permanent Resident.

A Licensee:

- can independently practice engineering in Alberta;
- is subject to the same ethical and practice standards as a Professional Engineer; and
- must comply with the Continuing Professional Development requirements.

## Notes:

- APEGA may advise applicants to take additional training, such as academic, technical or English language courses.
- APEGA does not accept reference questionnaires from generic email addresses such as Yahoo and Hotmail, as these email addresses do not provide authenticity of email messages. Email addresses must identify the employer or company.
- In special cases where no official email exists for a reference, APEGA will require the mailing address of the reference.

## Payment

The following fees must be submitted during the licensing process. Payment can be made online by a credit card or mail along a cheque or money order with your application. Fees are in Canadian dollars, except where indicated otherwise.

### Application Fees

|                       |            |
|-----------------------|------------|
| Professional Member   | \$500 +GST |
| Licensee              | \$500 +GST |
| Professional Licensee | \$500 +GST |
| Member-in-Training    | \$175 +GST |

### Other Fees

|  |                                       |
|--|---------------------------------------|
| National Professional Practice Examination | \$175 +GST                            |
| Fundamentals of Engineering Examination    | \$225 USD (payable directly to NCEES) |
| Annual Dues (Professional Members)         | \$324 +GST                            |
| Annual Dues (Professional Licensee)        | \$324 +GST                            |
| Annual Dues (Licensees)                    | \$486 +GST                            |
| Annual Dues (Member-in-Training)           | \$160 +GST                            |

### **Average Earnings**

APEGA conducts an annual salary survey (formally called the Value of Professional Services) which provides market data on current compensation and benefits for Professional Engineers and Geoscientists in Alberta. According to the 2015 salary survey, the annual base salary for a project engineer is approximately \$100,000.

The overall average earnings for Engineers, according to the Alberta 2013 Wage and Salary survey, can be accessed at [www.alis.alberta.ca/occinfo](http://www.alis.alberta.ca/occinfo).

### **Employment Options**

You can also consider working in Alberta in a related occupation such as an Engineering Technologist.

For more information about additional employment options, go to the following website:

[Alberta Learning Information Service \(ALIS\) Occupational Profiles](http://www.alis.alberta.ca/occinfo)

### **Contact Information**

Association of Professional Engineers and Geoscientists of Alberta (APEGA) Head Office  
1500 Scotia One  
10060 Jasper Avenue NW  
Edmonton, Alberta T5J 4A2  
Telephone: (780) 426-3990  
Toll-free telephone (within North America): 1-800-661-7020  
Fax: (780) 426-1877  
Email: [email@apega.ca](mailto:email@apega.ca)  
Website: [www.apega.ca](http://www.apega.ca)

## Resources

This information is an overview of the licensing process. For the most current information on Professional Engineering licensing visit the Association of Professional Engineers and Geoscientists of Alberta website at [www.apega.ca](http://www.apega.ca).

Application Forms and Information:

- [Application Process](#)
- [Application Form](#)
- [Application Checklist](#)

Academic Credentials:

- [Academic Requirements](#)
- [Academic Assessments](#)

Work Experience:

- [Work Experience Requirements](#)
- [References](#)

English Language:

- [English Language Competency](#)
- [TOEFL Test](#)

Examinations:

- [National Professional Practice Examination](#)
- [Fundamentals of Engineering Examination](#)
- [Technical Examinations](#)

Registration:

- [Professional Licensee](#)
- [Licensee](#)
- [Member-in-Training](#)

Salary:

- [APEGA Salary Survey](#)