

Obtaining your P. Eng.

Prepared By

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For El Amir Tadros Engineering Group (2003)



What is Professional engineering?

Professional engineering is:

- Any act of designing, composing, evaluating, advising, reporting, directing or supervising;
- Wherein the safeguarding of life, health, property or the public welfare is concerned;
- That requires the application of engineering principles (not include a natural scientist).



Engineering in Canada

- 160,000 P. Engs.
- 65,000 in Ontario
- 606 Egyptian Trained Engineer, 337 in process, 79 applied this year.
- 20,000 engineering students in Ontario,
- 10,000 foreign trained engineers each year
- Each province and territory has separate laws
- Unique in the world



Ontario Society of Professional Engineers

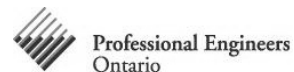
OSPE

- For the benefit of the engineer
- Advocacy group
- Member services

PEO

- To serve and protect the public
- Regulate engineering
- Licence qualified individuals

www.ospe.on.ca



Why get a P. Eng.?

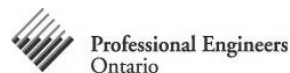
- Responsibility for own work
- Increased salary
- Promotion opportunities
- Career flexibility
- Some companies are requiring it
- Continuation of a journey



Application Requirements

In order to submit an application form and begin the licensing process you only need to meet PEO's minimum education requirements.

All other licensing requirements can be met after you submit an application !!



Licensing/Registration Requirements

PEO's admission criteria:

- Acceptable engineering education;
- Professional Practice Examination;
- Good character;
- References;
- 48 months engineering experience; and
- 12 months of acceptable engineering experience in Canada
- Provisional License.



Application Form - Attachments

- Transcripts
 - Original/Certified copy - P. Eng./Notary public
 - English translations - ATIO/P. Eng.
1-800-234-5030
- Course descriptions
 - English translations
- Record of landing
- Experience summary
- Cheque for \$187.25



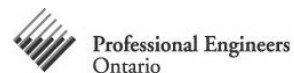
Licensing Steps

- Assess academic qualifications
- Assign examination program
- Interview to waive examinations
- Write examinations
- Pass the Professional Practice Exam
- Provisional Licence
- Gain necessary engineering experience



Academic Requirements

- CEAB graduates
 - No examinations
- Non- CEAB Engineering programs
 - Confirmatory examinations
- Other education
 - Individual examination program



Experience Requirements

- Confirmatory Examinations
 - 5 years of engineering experience
 - Experience confirms adequate engineering education
- Individual Examinations
 - 10 years of engineering experience
 - Experience for each assigned examination



Experience Interview

- Three engineers - two in applicant's discipline
- Chair to ensure applicant is treated fairly
- Detailed engineering resume
- Referee statements
- Examples of work
- Waiving exams requires consensus



Experience Summary

- Detailed engineering summary
- Description of projects
- Nature of the problem solved, design performed, factors considered, etc.
- Specific engineering you performed
 - I not We
 - Do not use third person
 - Action words (design, calculate, analyse, etc.)



Engineering Experience

Acceptable engineering experience:

- Application of theory;
- Practical experience;
- Management of engineering;
- Communication skills; and
- Social implications of engineering.



Engineering Experience (cont'd)

Application of theory:

- Analysis;
- Design and synthesis;
- Testing methods; and
- Implementation methods.



Things to Remember

- Include the application fee
- Submit all requested documents
- Read and understand the licensing guide
- Read all correspondence carefully and follow instructions
- Attend your interview or reschedule early
- Always refer to your file number



Engineering Internship (EIT) Program

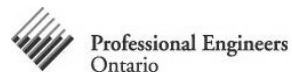
Services

- Review of work experience;
- Individual guidance;
- PEO publications;
- Member in local Chapter ;
- OSPE's Career Centre; and
- OSPE's insurance and investment plans.
- PATHWAY



Provisional Licence

A Provisional Licence can be issued to a person has met all the requirements for licensure except for the 12 months of engineering experience in Canada under the supervision of a licensed professional engineer.

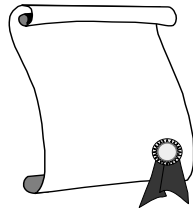


For more information

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Professional Engineers
Ontario