



Professional Engineers Ontario:

The Path to Becoming a Professional Engineer



Licensing Updates

- New academic requirements
- Elimination of Canadian experience requirement
- Competency-based assessment of work experience
- New application processing timelines



Timelines

(as of July 1, 2023)

1

Acknowledgment of receipt of application

10 business days to provide written acknowledgment of receipt of the application including a statement whether the application includes everything required

10 business days

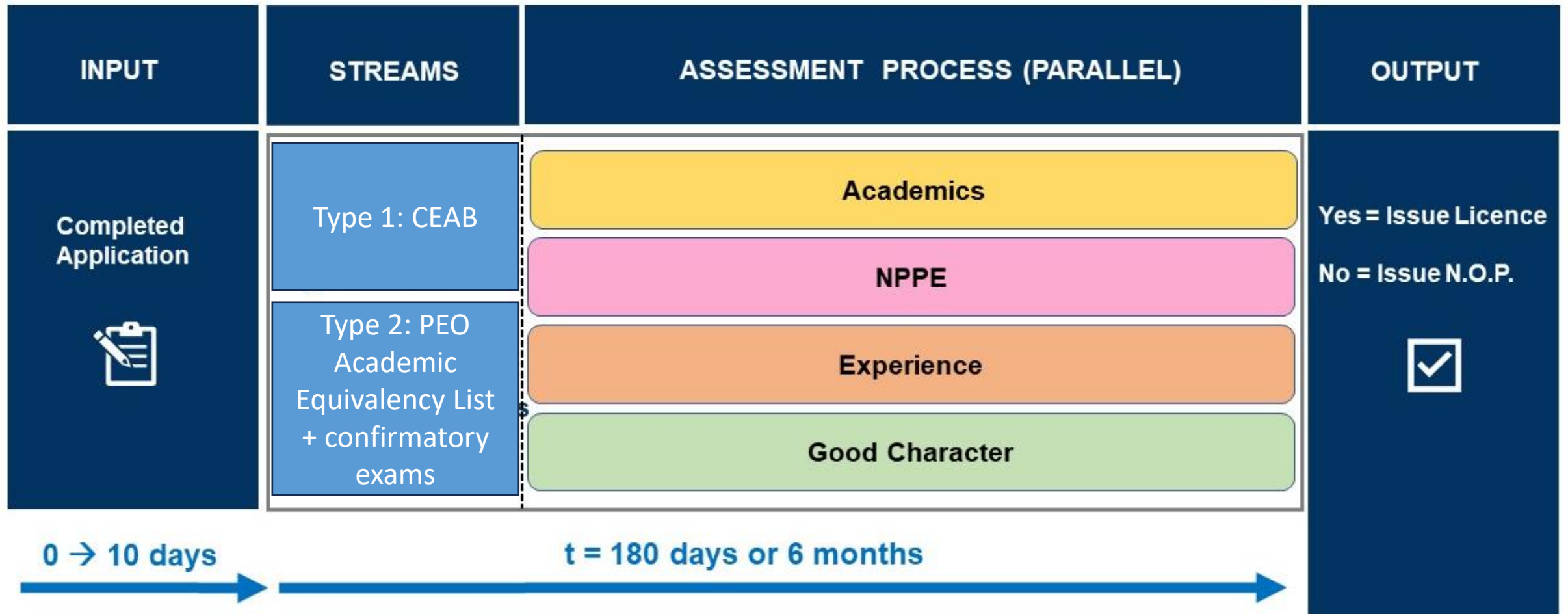
2

Registration Decision

For 90% of applicants, make a Registration decision within 180 days after complete application, and provide the applicant with a written decision including reasons

≤ 180 days for 90% of all applications

New Licensing Process



Step 1

Am I Ready
to Apply?



Am I Ready to Apply for a P.Eng. Licence with PEO?

1. Are you 18 years of age or older?

☒ Yes ☐ No

2. Do you have a P.Eng. licence with another Canadian engineering regulator?

☐ Yes ☒ No

3. Were you licensed as a P.Eng. holder with PEO in the past?

☐ Yes ☒ No

2. Do you have a P.Eng. licence with another Canadian engineering regulator?

☒ Yes ☐ No

Do not apply using the online portal. Please visit PEO P.Eng. licence transfer page: <https://www.peo.on.ca/apply/peng-transfer-another-province>

3. Were you licensed as a P.Eng. holder with PEO in the past?

☒ Yes ☐ No

Do not apply using the online portal. Please visit PEO P.Eng. licence reinstatement page: <https://www.peo.on.ca/apply/licence-reinstatements>

4. Do you have a bachelor's degree in an engineering program that is at least four years in length?

☒ Yes ☐ No

Please confirm that your academic program is on the approved program list below.

Country

Please Select

▼

Country field is required.

Institution

▼

Institution field is required.

Program

▼

Program field is required.

Please note the following:

CEAB graduates meet the academic requirements once official transcripts are received by PEO.

NON-CEAB graduates, please review PEO's Equivalency List to determine if you are eligible to apply. If you are eligible, you will be required to successfully pass the Technical Examination Program and provide the WES Academic Evaluation report prior to applying.

5. Do you have at least 48 months of engineering experience?

☒ Yes ☐ No

You may be ready to apply if you have also met the academic requirements listed above.

You appear to be eligible to apply for a P.Eng. Licence

I am ready to apply

4. Do you have a bachelor's degree in an engineering program that is at least four years in length?

☐ Yes ☒ No

You appear not to be ready to apply at this time.

5. Do you have at least 48 months of engineering experience?

☐ Yes ☒ No

You do not appear to be ready to apply at this time. Please apply when you have at least 48 months of engineering experience.

You do not appear to be eligible to apply for a P.Eng. Licence

Step 2

Confirm your
Intent to Proceed



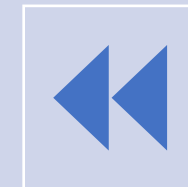
Confirm Your Intent to Proceed



Qualified candidates will be asked to provide their personal information to proceed



PEO will reach out within 5 business days with a link to begin your application



Those who don't qualify to apply will be informed of next steps

Step 3

Complete Application Requirements



Application Requirements



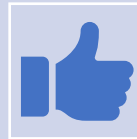
Academic requirements according to your academic stream



Experience requirement



Identification



Good Character Assessment



Academic Requirement

Program must be CEAB accredited or on PEO's Academic Equivalency List as a recognized institution



Online P.Eng. Application Academic Information

Identification

Academics

Experience

Good Character

Please provide PEO with academic information. An explanation of this requirement will be here.

Add Program

Country:

Search for your institution from the list below:

Institution

Alternate Name: Alternate Name of the institution

Program:

Degree:

Conferral Year:

Documents Requested: ☐ Yes ☐ No

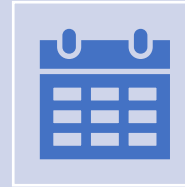
Cancel

Add

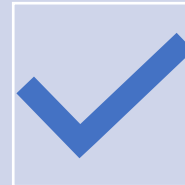


Professional Engineers
Ontario

Experience Requirement



48 months of engineering experience



No Canadian experience component



Assessment using a competency-based model



What is CBA?



Process/methodology for assessing engineering work experience through specific competencies to determine an applicant's readiness for licensure



Allows applicants to demonstrate their ability to apply their engineering knowledge reliably and safely across different circumstances



Applicants have each competency rated by both assessors and validators with the licensing decision determined by the overall final rating



How it Works



Applicants Demonstrate 34 Competencies

Providing experience
examples for each
competency with the use
of competency indicators



Applicant Competencies are Assessed

- 1 - Self-Assessment
- 2 - Validator Assessment
- 3 - Assessor Final Assessment



Decision

Minimum Requirements Met?
YES - Issue license
NO - Issue Notice of Proposal



7 Competency Categories

PEO's Competency Framework is composed of **34 key competencies** grouped into **7 different categories**. The seven categories represent the essential areas in which Professional Engineers of all disciplines must have expertise in order to ensure effective practice and public safety.

1 - Technical Competence

2 - Communication

3 - Project and Financial Management

4 - Team Effectiveness

5 - Professional Accountability

6 - Social, Economic, Environmental and Sustainability

7 - Personal Continuing Professional Development



Canadian Environmental Competencies

The Canadian environment competencies are a subset of eight competencies that best demonstrates knowledge and experience of Canadian regulations, codes, standards, quality control, safety awareness, professional accountability and communication.

Technical Category

- 1.1 Regulations, Codes & Standards
- 1.6 Safety Awareness
- 1.9 Demonstrate Peer Review and Quality Control

Communication Category

- 2.1 Oral Communication
- 2.2 Writing
- 2.3 Reading and Comprehension

Professional Accountability

- 5.1 Code of Ethics

Social, Economic, Environmental & Sustainability

- 6.2 Engineering and the Public



Indicators



Indicators are specific examples of activities, actions, skills or behaviours that an applicant could use to demonstrate their level of exposure to a competency.



They help applicants to understand what types of examples are required to meet the minimum level of competency for each key competency.



The indicators provided are general, being common to all engineering disciplines



Reporting Work Experience



Be specific about your individual contributions and use the word “I” to show that you did the work



Situation: overview of a situation or problem (can be used to cover multiple competencies)



Action: actions you took in response to the situation



Outcome: impact that your actions, solutions or judgements generated



Roles and Responsibilities

Applicants

- Provide complete application including competencies

Validators

- Validate applicant competencies via rating in the online portal

Assessors (Qualification Assessors)

- Assess applicant experience via rating in online portal, and provide final decision



Validators



Has direct, first-hand knowledge of applicant's work, provided supervision and took responsibility for applicant's work



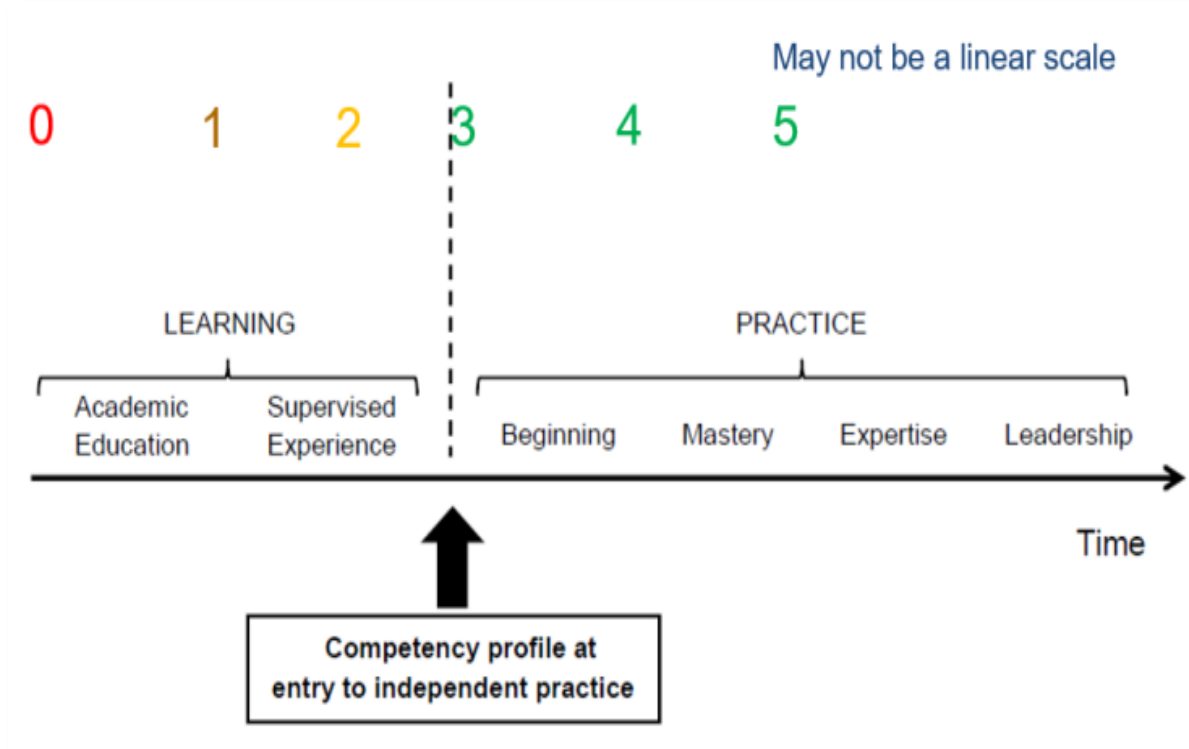
For Canadian experience, validator must be a P.Eng.; For international experience, validator must be a senior engineering practitioner and preferably licensed in their jurisdiction



Responsible for confirming they have witnessed the work, must rate each competency they are assigned to rate, and provide overall feedback on applicant's readiness for licensure



Competency Rating System



- ▶ Used to determine whether a candidate has achieved the required level of competence to gain registration as a professional engineer.
- ▶ Outlines six different levels of competence (0-5 scale).
- ▶ Assessment Rating Application
 - ▶ **Applicant Self-Assessment**
 - ▶ **Validator Assessment**
 - ▶ **Assessor Assessment**

Minimum Average Level per Category

Competency Category	Minimum Average Required Level per Category
1 - Technical Competence	3
2 - Communication	3
3 - Project and Financial Management	2
4 - Team Effectiveness	3
5 - Professional Accountability (Ethics & Professionalism)	3
6 - Social, Economic, Environmental and Sustainability	2
7 - Personal Continuing Professional Development	3

Minimum Required Level - Canadian Environment Competencies

Canadian Environmental Competency	Minimum Required Competency Level
1.1 Regulations, Codes & Standards	3
1.6 Safety Awareness	3
1.9 Demonstrate Peer Review and Quality Control	3
2.1 Oral Communication	3
2.2 Writing	3
2.3 Reading and Comprehension	3
5.1 Code of Ethics	3
6.2 Engineering and the Public	2



Pre-Graduation Experience

Start date of experience must not exceed two years prior to degree conferral date

Eligible for up to 12 months credit for co-op, summer engineering employment, etc.

Can be included in experience summary (CBA)

Must select the pre-graduation option

Step 4

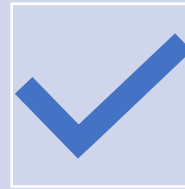
Submit your
Application



Professional Engineers
Ontario



Submit your Application



PEO will acknowledge receipt of submitted application



PEO will review your application and provide a confirmation of completeness within 10 days



If the application is incomplete, you will have 60 days for one redemption attempt



Step 5

Assessment & NPPE



Assessment & NPPE within 180 Days



Academic Assessment



National Professional Practice
Examination



Experience Assessment



Good Character Assessment

National Professional Practice Exam (NPPE)

<https://peo.on.ca/apply/become-professional-engineer/national-professional-practice-exam>

exams@peo.on.ca



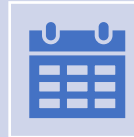
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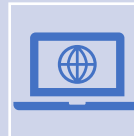
Covers ethics, law, professional practice and liability



Written during 6-month assessment period



Notified when eligible to write



2.5 hours, online, multiple choice

Step 6

Application Decision



Application Decision



Licence granted

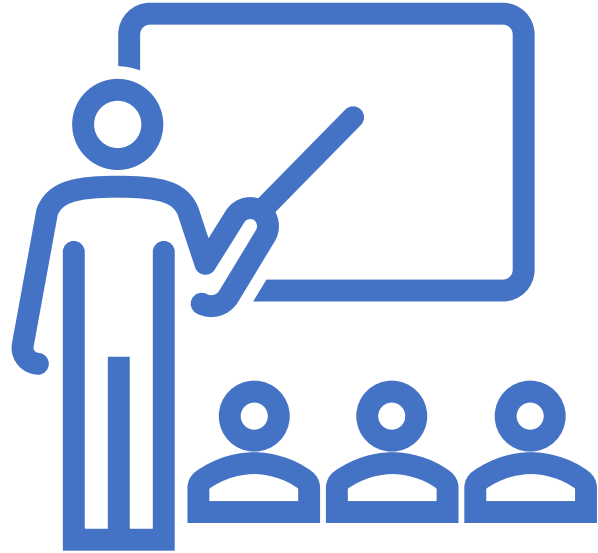


Notice of Proposal to
refuse to issue a licence

Considerations

- Impacts of suspension of EIT program
- Survey on the EIT program sent out to stakeholders
- Alternate paths to licensure
- June webinar on new licensing process





Mandatory Continuing Professional Development

- CPD now a required component for professional engineers and limited licence holders to maintain their licence annually
- Based on the voluntary Practice Evaluation and Knowledge (PEAK) program
- Log into PEO portal and select "PEAK" tab



Thank you! Questions/Comments

For application questions (new applicants):
apply@peo.on.ca

Pre-May 15th applicants:
applicants@peo.on.ca

Feedback on EIT program:
engagement@peo.on.ca

Other: <https://www.peo.on.ca/contact>