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Licensure



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Emerging Leaders Council



Josh Szmergalski, PE
Associate



Mary Taylor
Mechanical Design Engineer



Allyson Smith, PE
Senior Project Engineer
Chair



Greg Lisowski
Project Manager





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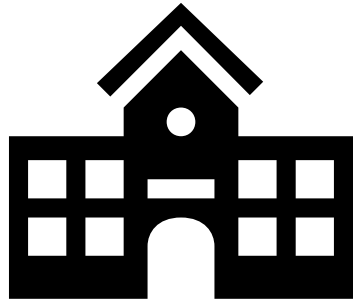
What is the Emerging Leaders Council?

“The Board of Governors of the Architectural Engineering Institute created the Emerging Leaders Council (ELC) to bring young architectural engineering professionals together to engage the next generation of leaders and to strengthen the architectural engineering industry.”



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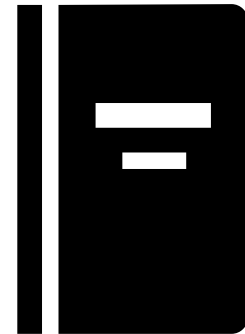
Path to Engineering Licensure



EDUCATION



EXPERIENCE



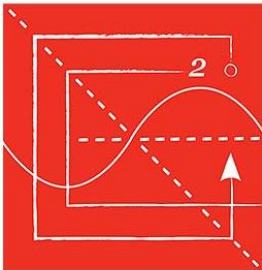
EXAMS



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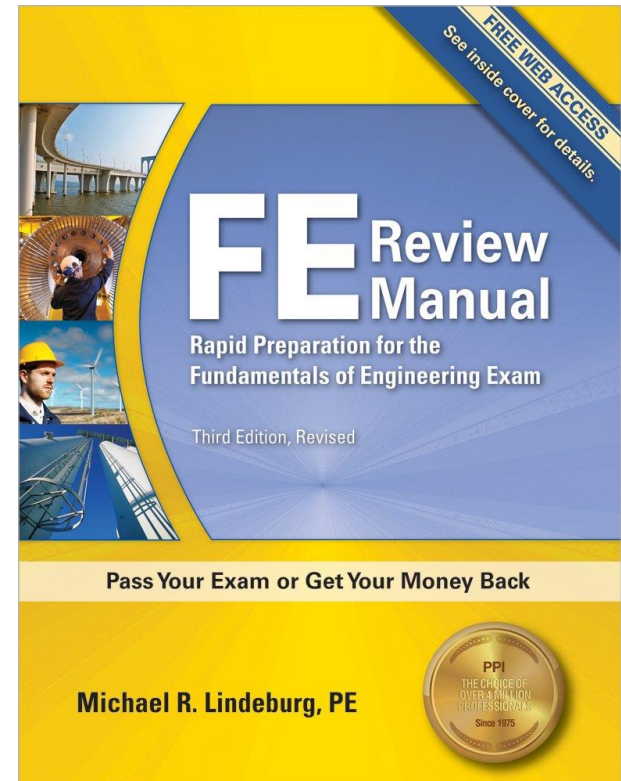
Pro Tip #1 – FE Exam

- FE = 1st step towards licensure
- Get EIT certified!
- Don't forget it's a requirement*



NCEES

*advancing licensure for
engineers and surveyors*





Pro Tip #2 – Know Your State Requirements



AEI PE Exam

- State approved AEI PE exam
- State hasn't approved AEI PE exam





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Pro Tip #2 – Know Your State Requirements

- Each state has its own requirements for taking the PE Exam, including:
 - How much engineering experience is needed
 - Educational background
 - Number and type of references
 - Application timelines



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Pro Tip #2 – Know Your State Requirements

Requirements		California	Massachusetts
Experience needed to take PE	With FE	2 Years or 1 Year + Masters/PhD	4 Years or 3 Years + Masters
	Without FE	14 Years	20 Years
PE Application Required		Yes	Yes
When to submit licensure application (before or after exam)		After	Before
How many recommendations?		Minimum 4 references	Minimum 6 references; 3 must be PEs
Do you need to work under another PE?		No	Yes



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Pro Tip #2 – Know Your State Requirements

Requirements		Nebraska	Pennsylvania
Experience needed to take PE	With FE	4 Years	4 Years
	Without FE	N/A	N/A
PE Application Required		Yes*	Yes
When to submit licensure application (before or after exam)		After	Before
How many recommendations?		5 Total References; 3 must be PEs	3 Must be PE's & 2 others**
Do you need to work under another PE?		Licensed PE or Similarly Qualified Individual	Licensed PE or Similarly Qualified Individual

* PE exam can be taken at any time after completing FE, graduating from ABET accredited program, and completing/receiving approval for initial PE application.

**2 can be Professional Land Surveyor, Professional Geologist, or Unlicensed Engineer with PE Level Knowledge and Experience



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Pro Tip #2 – Know Your State Requirements

Requirements		Texas	Ohio
Experience needed to take PE	With FE	4 Years + Ethics Exam	4 Years
	Without FE	By Waiver Only	N/A
PE Application Required		Yes	Yes
When to submit licensure application (before or after exam)		Before	Before
How many recommendations?		3 must be PEs; if requesting waiver, 5 must be PEs	5 Total References; 3 must be PEs
Do you need to work under another PE?		No	No, unless graduated from a non ABET program



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Pro Tip #2 – Know Your State Requirements

Requirements		Wisconsin
Experience needed to take PE	With FE	4 Years
	Without FE	N/A
PE Application Required		Yes
When to submit licensure application (before or after exam)		After
How many recommendations?		Minimum 5 references; 3 must be PEs; 1 must be direct supervisor
Do you need to work under another PE?		Licensed PE



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Pro Tip #3 – Record Your Projects

- Log project details
 - Project scope, size, duration
 - Personal responsibilities / project role
- Uses:
 - Job applications
 - PE licensure

EXAMINING BOARD OF ARCHITECTS, LANDSCAPE ARCHITECTS,
PROFESSIONAL ENGINEERS, DESIGNERS, AND PROFESSIONAL LAND SURVEYORS

EXPERIENCE RECORD

Instructions: Make statement concise. Include enough detail such that a peer may judge the character of your work. Include magnitude and complexity of work on each engagement including your duties and degree of responsibility. University or college shall be engagement 1. Your first employment shall be engagement 2, with subsequent experience in chronological order. Your current engagement should be your last entry. If you have additional engagements, complete and submit another copy of this form (**Form #463**) for review.

Applicant Information:			
Last Name <input type="text"/>	First Name <input type="text"/>	MI <input type="text"/>	Date <input type="text"/> / <input type="text"/> / <input type="text"/>
Type of Credential Applying For:			
<input type="checkbox"/> Architect <input type="checkbox"/> Designer of Engineering Systems <input type="checkbox"/> Landscape Architect <input type="checkbox"/> Professional Engineer <input type="checkbox"/> Professional Land Surveyor			
1. Name of Employer: <input type="text"/>		Title of Position: <input type="text"/>	
Address of Employer: <input type="text"/>		Employment Period: (include month/year) From: <input type="text"/> / <input type="text"/> To: <input type="text"/> / <input type="text"/>	
Extent of Experience and Responsibility: <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>			
Information of Individual (not deceased) familiar with engagement, preferably the person to whom the applicant reported: <input type="text"/>		Title of Individual familiar with engagement: <input type="text"/>	
Address of Individual familiar with engagement: <input type="text"/>		Hours Worked: <input type="checkbox"/> Full-Time <input type="checkbox"/> Part-Time Hours per Week: <input type="text"/> Total: (Year/Month) <input type="text"/>	



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Pro Tip #4 – Recommendations

- Most states require references for the PE application
 - Typically require at least one to be a PE
 - Must have direct knowledge of your work experience

Wisconsin Department of Safety and Professional Services

Mail To: P.O. Box 8935
Madison, WI 53708-8935
FAX #: (608) 251-3036
Phone #: (608) 266-2112

Office Location: 4822 Madison Yards Way
Madison, WI 53705
E-Mail: dsps@wisconsin.gov
Website: <http://dsps.wi.gov>

EXAMINING BOARD OF ARCHITECTS, LANDSCAPE ARCHITECTS, PROFESSIONAL ENGINEERS, DESIGNERS, AND PROFESSIONAL LAND SURVEYORS

PROFESSIONAL ENGINEER APPLICANT REFERENCE FORM

Applicant's Name:	<input type="text"/>
Date of Birth:	<input type="text"/> / <input type="text"/> / <input type="text"/>

Note to Applicant:

If applying by Examination: Provide references from at least five (5) individual having personal knowledge of the applicant's engineering work, three (3) or more of whom are registered Professional Engineers, and at least one (1) of whom has served as supervisor in responsible charge of the applicant's engineering work.

If applying by Reciprocity: Provide replies from five (5) registered Professional Engineers, at least one (1) of whom served as a supervisor in responsible charge of the applicant's engineering work.

Family members can act as supplemental references in support of an application, but not as one of the five (5) required responses. The Board suggests the person completing this form should have 12 months' knowledge of the applicant's engineering experience within the past five (5) years. Type or print your name in the box at the top of each form prior to distribution. **Forms must be forwarded by you to this office with your application.**

Instructions: The applicant named above has applied for registration as a Professional Engineer to practice in the State of Wisconsin. To assist the Board in reviewing the applicant, we would appreciate your appraisal of the applicant's proficiency as requested below. **Return completed reference form to the applicant in a sealed envelope.**

1. I know this applicant: ☐ Very Well ☐ Well ☐ Slightly ☐ Not at all

2. My contacts with the applicant extend: From: / / To: / /



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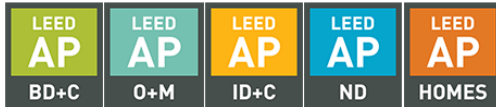
Importance of Engineering Licensure

- In general, states limit the practice of engineering to licensed engineers, including:
 - Owning a firm
 - Consulting
 - Signing/sealing a design
 - Bidding for public works projects
 - Calling yourself a professional engineer



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Pro Tip #5 – Never Too Early to Get Certified



**30 HOUR CONSTRUCTION
INDUSTRY TRAINING**



**CERTIFIED
LIGHTING
DESIGNER**



NCSEA
National Council of Structural Engineers Associations



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ELC Involvement

- Watch for the ELC online community this summer!
- Join the online discussion and reach out with ideas/questions



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Thank you!

- We would love to hear any questions or thoughts you have!
- Feel free to reach out after with questions or if you are interested in staying involved after graduation!

