



STATE OF NEBRASKA BOARD OF  
ENGINEERS AND ARCHITECTS

# Update and Continuing Education Refresher

---

OCTOBER 6, 2022

# Roadmap

---

- **2019 E&A Regulation Act Changes**
- **Rules Revisions Effective October 8, 2022**
- **Continuing Education**
  - 2019 Rules Changes
  - Web-based (online) CE Activities
  - Self-Guided CE Activities
  - Summary of CE Hours
- **Q+A**

---

# 2019 E&A Regulation Act Changes

# 2019 E&A Regulation Act Changes

---

- Gave Board options regarding notifying licensees renewal notices (previously mail only)
- Added CEAB and CACB (Canadian)-accredited programs to meet education component of licensure
- “Decoupled” requirement that four years of experience be gained prior to applying for PE Exam
  - **Four years still required as a component of licensure**

# Decoupling Advantages

---

- **Convenience and flexibility** for license candidates if the candidate wishes to and is capable of passing the exam
- Individuals who pass PE exam early may be **more likely** to become licensed
- Encourage more engineers in **exempt** settings (manufacturing, industrial, and governmental)
- More professional engineers **improves public protection**
- Waiting unfairly impacts **women** engineers

---

# Rules Revisions Effective October 8, 2022

# Required Information on Technical Submissions

---

- 6.5.1 Technical submissions that constitute the practice of architecture or engineering shall include both (1) the name, and (2) either the address or location, of the **project** on each drawing and the cover page and/or first page of specifications, reports, studies, and other documents.
- 6.5.2 If the work shown on technical submissions is not being performed through an organization as provided in Neb. Rev. Stat. § 81-3436, the **licensee's** (1) name and (2) contact information shall be included on technical submissions.
- 6.5.3 If the work shown on technical submissions is being performed through an **organization** or organizations as provided in Neb. Rev. Stat. § 81-3436, (1) the organization(s) legal name or DBA, (2) contact information, and (3) the organization(s) certificate of authorization number(s) shall be included on technical submissions.
- 6.5.4 If sealed standards such as drawings, details, and specifications **prepared by a jurisdiction** are used in a project, the name of the jurisdiction which prepared the standards shall be noted on the technical submissions.

# Farm Building Definition

---

- Term “farm building” in Neb. Rev. Stat. §§ 81-3449 and 81-3453 to describe certain exempt projects
- New Rule 10.2.5:  
**Farm building shall be defined as an agricultural building is defined in the state building code.**
- State building code established by N.R.S. §71-6403 (2018 IBC) defines an agricultural building:  
*A structure designed and constructed to house farm implements, hay, grain, poultry, livestock, or other horticultural products. This structure shall not be a place of human habitation or a place of employment where agricultural products are processed, treated or packaged, nor shall it be a place used by the public.*



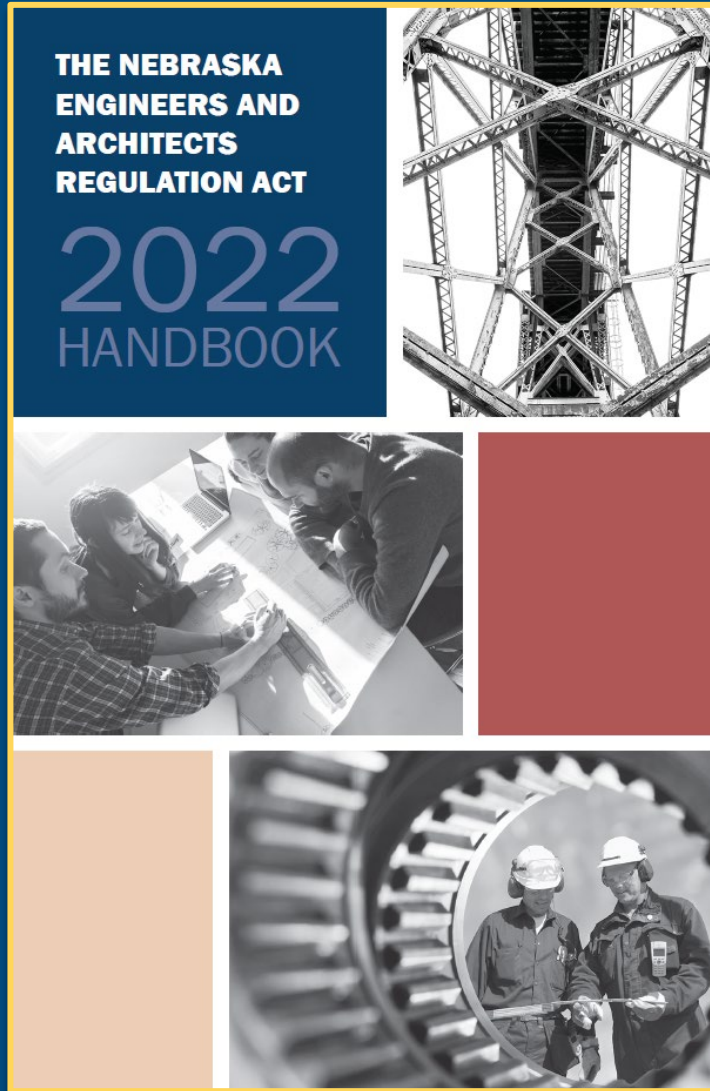
# Continuing Education Audits

---

- Rule 9.7.1 modified to allow Board the ability to audit any licensed architect or professional engineer for continuing education compliance **at any time**, not just in conjunction with the renewal process.
- Rule 9.7.3 changes the process and timeline used when the Board disallows some or all of a licensee's continuing education. Both rules are also modified to align rule with current audit procedures.

# Updated electronic E&A Regulation Act Handbook now available

Incorporates changes  
just discussed



# 2019 CE Changes

# 2019 CE Changes

---

- **Clarified acceptable types of activities, along with hours credited**
  - Successful completion of college courses from an educational institution that offers ABET/EAC- or NAAB-accredited programs, or courses transferrable to and accepted for credit by an educational institution that offers ABET/EAC- or NAAB-accredited programs
    - 1 semester hour = **45 hours**
    - 1 quarter hour = **30 hours**
  - Successful completion of short courses, tutorials, web-based activities, and distance-education courses offered for self-study, independent study, or group study
    - **Hour for hour** basis
  - Presenting or attending qualifying seminars, in-house courses, workshops, or professional or technical presentations
    - **Hour for hour** basis
  - Teaching or instructing the activities listed above may be credited **double**

# 2019 CE Changes

---

- **Clarified acceptable types of activities, along with hours credited**
  - Authoring peer-reviewed published papers, articles and books
    - **10 hours** if peer-reviewed, 5 hours if not
  - Participating in the development of items for NCEES or NCARB examinations
    - **Hour for hour** basis
  - Active participation in professional or technical societies in which a licensee serves as an officer or actively participates in a committee of the society
    - **2 hours**
  - Authoring a patent related to engineering
    - **10 hours**
  - Active participation in educational outreach activities pertaining to professional licensure or the engineering/architecture professions that involves K–12 or higher education students
    - **Hour for hour** basis

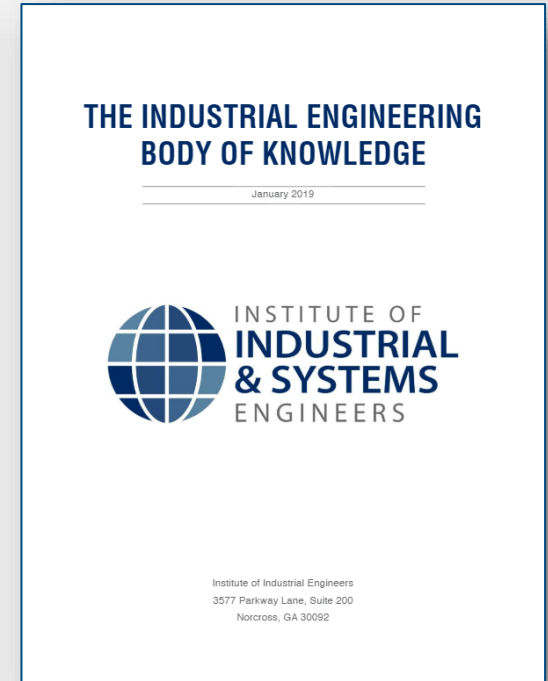
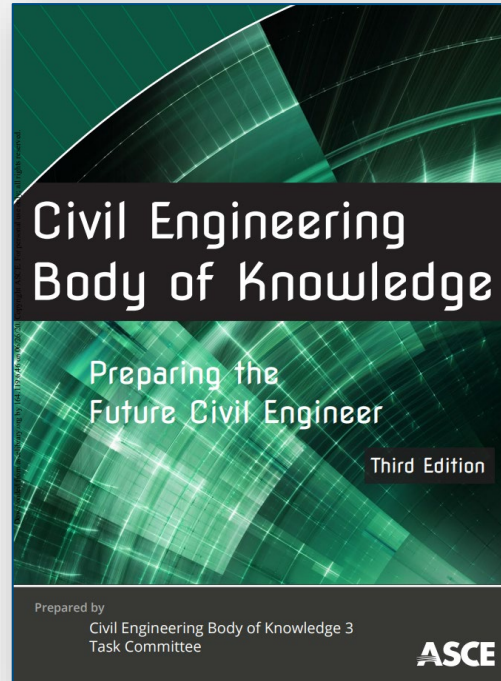
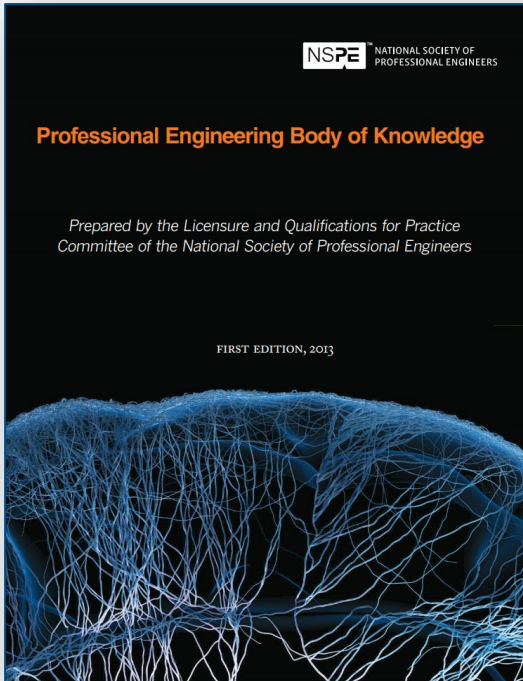
# 2019 CE Changes

---

- Effective January 1, 2022, a learning activity that is 1) non-technical in nature, and 2) addresses a topic that is not part of that profession's body of knowledge as developed by the applicable national professional engineering society or is not an HSW topic as identified by NCARB, is not an acceptable continuing education activity.
- In other words, CE activities **must** address 1) a technical topic or 2) a topic identified in an engineering society's body of knowledge or a Health Safety and Welfare topic as identified by NCARB

# Engineering Body of Knowledge

- Developed by professional societies



# NSPE Body of Knowledge

---

- **Basic/Foundational**

- Mathematics
- Natural Sciences
- Humanities + Social Science

- **Technical**

- Manufacturing/Construction
- Design
- Engineering Economics
- Engineering Science
- Engineering Tools
- Experiments
- Problem Recognition + Solving
- QC/QA
- Risk, Reliability, & Uncertainty
- Safety
- Societal Impact
- Systems Engineering

- Operations + Maintenance
- Sustainability + Environmental Impact
- Technical Breadth
- Technical Depth

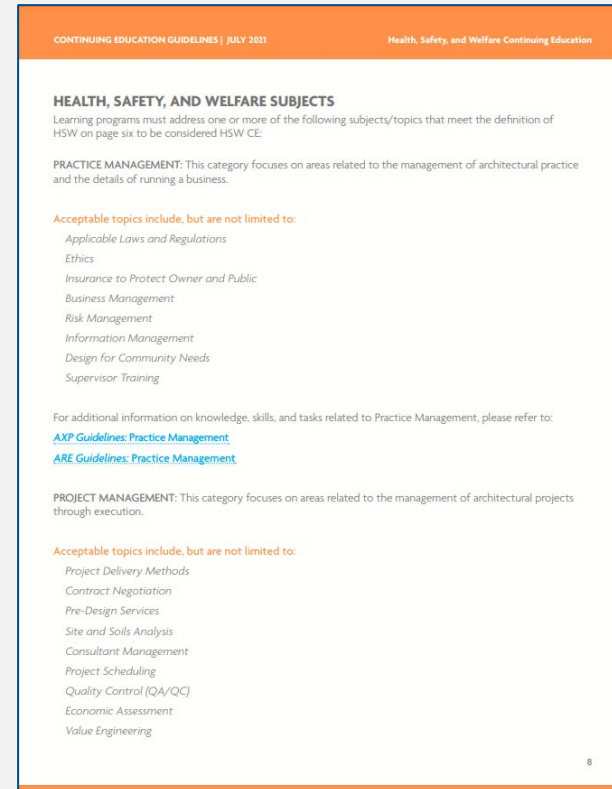
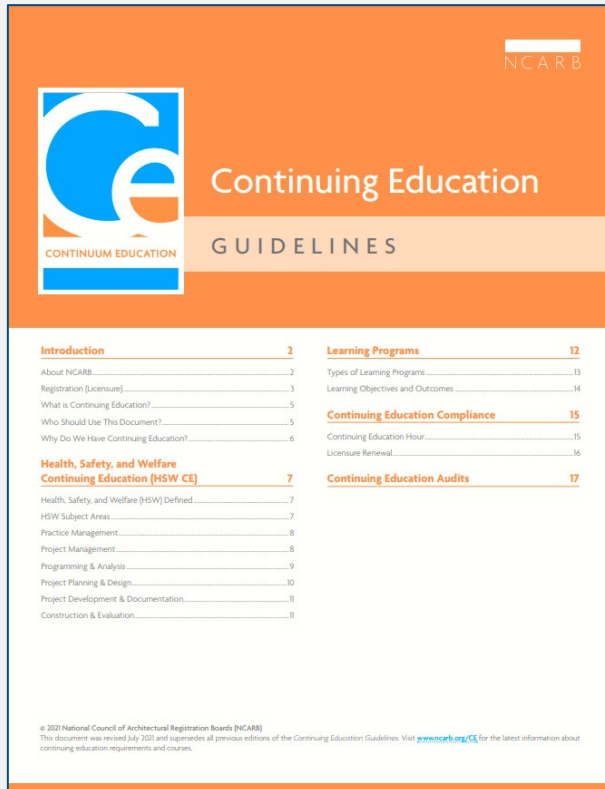
- **Professional Practice**

- Business Aspects of Engineering
- Ethical Responsibility
- Global Knowledge + Awareness
- Leadership
- Legal Aspects of Engineering
- Lifelong Learning
- Professional Attitudes
- Project Management
- Public Policy + Engineering
- Teamwork



# NCARB Health Safety & Welfare

- Found in NCARB's *Continuing Education Guidelines*



<https://www.ncarb.org/sites/default/files/ContinuingEducationGuidelines.pdf>

# NCARB Health Safety & Welfare

---

1. **Practice Management**
2. Project Management
3. Programming & Analysis
4. Project Planning & Design
5. Project Development & Documentation
6. Construction & Evaluation

Acceptable topics include, but are not limited to:

*Applicable Laws and Regulations*

*Ethics*

*Insurance to Protect Owner and Public*

*Business Management*

*Risk Management*

*Information Management*

*Design for Community Needs*

*Supervisor Training*

<https://www.ncarb.org/sites/default/files/ContinuingEducationGuidelines.pdf>

# NCARB Health Safety & Welfare

---

1. Practice Management
- 2. Project Management**
3. Programming & Analysis
4. Project Planning & Design
5. Project Development & Documentation
6. Construction & Evaluation

Acceptable topics include, but are not limited to:

*Project Delivery Methods*

*Contract Negotiation*

*Pre-Design Services*

*Site and Soils Analysis*

*Consultant Management*

*Project Scheduling*

*Quality Control (QA/QC)*

*Economic Assessment*

*Value Engineering*

<https://www.ncarb.org/sites/default/files/ContinuingEducationGuidelines.pdf>

# NCARB Health Safety & Welfare

1. Practice Management
2. Project Management
- 3. Programming & Analysis**
4. Project Planning & Design
5. Project Development & Documentation
6. Construction & Evaluation

Acceptable topics include, but are not limited to:

*Land-Use Analysis*

*Programming*

*Site Selection*

*Historic Preservation*

*Adaptive Reuse*

*Codes, Regulations, and Standards*

*Natural Resources*

*Environmental Impact and Ecosystem Risk Assessment*

*Hazardous Materials*

*Resilience to Natural and Human Impacts*

*Life Safety*

*Feasibility Studies*

<https://www.ncarb.org/sites/default/files/ContinuingEducationGuidelines.pdf>

# NCARB Health Safety & Welfare

1. Practice Management
2. Project Management
3. Programming & Analysis
- 4. Project Planning & Design**
5. Project Development & Documentation
6. Construction & Evaluation

Acceptable topics include, but are not limited to:

*Building Systems*

*Urban Planning*

*Master Planning*

*Building Design*

*Site Design*

*Safety and Security Measures*

*Impacts, Adaptation and Mitigation of a Changing Climate*

*Energy Efficiency and Positive Energy Design*

*Sustainability*

*Indoor Air Quality*

*Ergonomics*

*Lighting*

*Acoustics*

*Accessibility*

*Construction Systems*

*Budget Development*

<https://www.ncarb.org/sites/default/files/ContinuingEducationGuidelines.pdf>

# NCARB Health Safety & Welfare

---

1. Practice Management
2. Project Management
3. Programming & Analysis
4. Project Planning & Design
- 5. Project Development & Documentation**
6. Construction & Evaluation

Acceptable topics include, but are not limited to:

*Construction Documents*

*Materials and Assemblies*

*Fixtures, Furnishings, & Equipment*

<https://www.ncarb.org/sites/default/files/ContinuingEducationGuidelines.pdf>

# NCARB Health Safety & Welfare

---

1. Practice Management
2. Project Management
3. Programming & Analysis
4. Project Planning & Design
5. Project Development & Documentation
- 6. Construction & Evaluation**

Acceptable topics include, but are not limited to:

*Construction Contract Administration*

*Bidding and Negotiation*

*Post Occupancy Evaluation (POE)*

*Building Commissioning*

<https://www.ncarb.org/sites/default/files/ContinuingEducationGuidelines.pdf>

---

# **Web-based (online) Activities**

## **Self-Guided Activities**

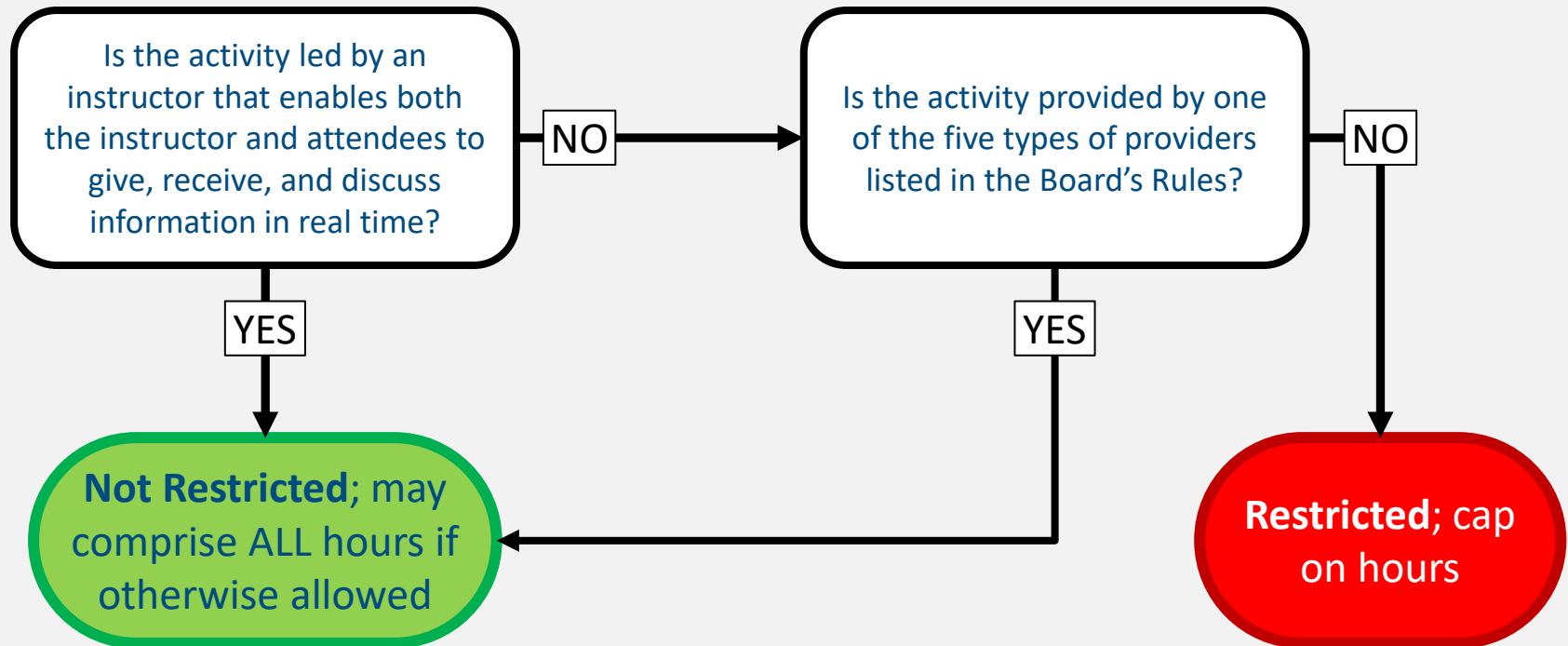


# Web-based (online) Activities

---


- Web-based offerings other than those *provided* by
  - (1) IACET-approved providers,
  - (2) institutions of higher education that have an accredited program in engineering,
  - (3) professional engineering or architectural societies (NSPE, ASCE, etc.),
  - (4) technical societies and associations recognized at a national level (AISC, AWC, etc.), or
  - (5) governmental agencies,may constitute **no more than one-fourth** of all hours
- Web-based offerings led by an instructor that enables both the instructor and attendees to give, receive, and discuss information *in real time* **is not restricted.**

# Web-based (online) Activities



# Self-Guided Activities

- Separate and distinct from the restricted web-based activities restriction
- Planned and performed under the licensee's own direction and guidance.
- Must complete & submit form to be considered
- **Maximum of 7½ hours**

 **STATE OF NEBRASKA BOARD OF ENGINEERS AND ARCHITECTS** Mail to: PO Box 95165 Lincoln, NE 68509 Delivery: 215 Centennial Mall S, Suite 400 Lincoln, NE 68508 Phone: 402-471-2021 Fax: 402-471-0787 Questions? Contact us at nbea.office@nebraska.gov or on the web at ea.nebraska.gov

**NEBRASKA CONTINUING EDUCATION SELF-GUIDED REPORTING FORM**

Self-guided hours are those obtained during a self-directed educational activity. This activity may not have a sponsor or host; you did not receive a certificate for this educational time and you earned it under your own direction and guidance.

Date of Submittal \_\_\_\_\_

Licensee Name \_\_\_\_\_

Licensee Number \_\_\_\_\_

Contact Information: Phone \_\_\_\_\_ Email \_\_\_\_\_

Program Title \_\_\_\_\_

Maximum number of Professional Development Hours claimed as self-guided study: \_\_\_\_\_  
(Nebraska allows 7.5 hours for Engineers and 6.0 hours for Architects. This is equal to 25% of the total number of hours required for a two year renewal period.)

Does this program address issues concerning health, safety and welfare?  Yes  No

Start Date \_\_\_\_\_

Completion Date \_\_\_\_\_

Type of Program \_\_\_\_\_

Type of Activity \_\_\_\_\_

Sponsor Name (If Any) \_\_\_\_\_ Sponsor Phone No. \_\_\_\_\_

What did you do?  
\_\_\_\_\_  
\_\_\_\_\_

What did you learn?  
\_\_\_\_\_  
\_\_\_\_\_

Did you use outside sources for information?  
\_\_\_\_\_  
\_\_\_\_\_

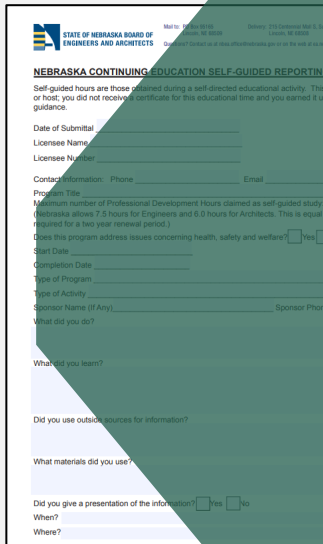
What materials did you use?  
\_\_\_\_\_  
\_\_\_\_\_

Did you give a presentation of the information?  Yes  No

When? \_\_\_\_\_

Where? \_\_\_\_\_

# Self-Guided Activities



**STATE OF NEBRASKA BOARD OF ENGINEERS AND ARCHITECTS**

**NEBRASKA CONTINUING EDUCATION SELF-GUIDED REPORTING**

Self-guided hours are those planned during a self-directed educational activity. This or hours you did not receive a certificate for this educational time and you earned it in guidance.

Date of Submittal \_\_\_\_\_

Licensee Name \_\_\_\_\_

Licensee Number \_\_\_\_\_

Contact Information: Phone \_\_\_\_\_ Email \_\_\_\_\_

Program Title \_\_\_\_\_

Minimum number of Professional Development Hours claimed as self-guided study (Nebraska allows 7.5 hours for Engineers and 5.0 hours for Architects. This is equal required for a two-year renewal period.) \_\_\_\_\_

Does this program address issues concerning health, safety and welfare?  Yes  No

Start Date \_\_\_\_\_

Completion Date \_\_\_\_\_

Type of Program \_\_\_\_\_

Type of Activity \_\_\_\_\_

Sponsor Name (If Any) \_\_\_\_\_ Sponsor Phone No. \_\_\_\_\_

What did you do? \_\_\_\_\_

What did you learn? \_\_\_\_\_

Did you use outside sources for information? \_\_\_\_\_

What materials did you use? \_\_\_\_\_

Did you give a presentation of the information?  Yes  No

When? \_\_\_\_\_

Where? \_\_\_\_\_

Does this program address issues concerning health, safety and welfare?  Yes  No

Start Date \_\_\_\_\_

Completion Date \_\_\_\_\_

Type of Program \_\_\_\_\_

Type of Activity \_\_\_\_\_

Sponsor Name (If Any) \_\_\_\_\_ Sponsor Phone No. \_\_\_\_\_

What did you do?  
\_\_\_\_\_  
\_\_\_\_\_

What did you learn?  
\_\_\_\_\_  
\_\_\_\_\_

Did you use outside sources for information?  
\_\_\_\_\_  
\_\_\_\_\_

What materials did you use?  
\_\_\_\_\_  
\_\_\_\_\_

---

# Summary of CE Hours

# Summary of Hours

---

	Professional Engineers	Architects
Total Required Hours (min.)	<b>30</b>	<b>24</b>
Restricted online hours (max.)	<b>7½</b>	<b>6</b>
Self-guided activities (max.)	<b>7½</b>	<b>6</b>
Ethics hours (min.)	<b>1</b>	<b>1</b>
Carry-over allowed (max.)	<b>15</b>	<b>12</b>

# CE Audits + Renewal Process

---

- Audit Process
  - Up to 5% of licensees may be randomly selected for audit
  - If selected, licensees are notified once renewal process is complete and fee is received
  - If selected, submit:
    - A log of CE credits claimed for the biennial renewal period, and
    - Attendance verification records, such as completion certificates, or other information documenting evidence of attendance at the claimed activities
- The Board does not pre-approve CE courses or providers
- **CE must be completed prior to renewing**
- **Board is looking at increasing enforcement/penalties for those not complying with CE provisions**

# Continuing Education Information

IF



Please mark only one of the following:

- I have satisfied the [mandatory continuing education requirements](#) of Nebraska, and I understand that false claims are subject to disciplinary action.
- I have NOT YET satisfied the mandatory continuing education requirements of Nebraska.
- I have served on active duty in the armed forces of the United States or any state for a period of time exceeding 120 days in one or both calendar years of my renewal period. Supporting documents for each year of active duty will be required.
- Other



# Continuing Education Information

**THEN**



⚠️ The following issues must be resolved before you can continue:

- Per Board Rule 9.1.1, every architect and professional engineer must meet the continuing education requirements as a condition of license renewal. Once you have completed the CE requirements, you may complete the renewal process.

Please mark only one of the following:

- I have satisfied the [mandatory continuing education requirements](#) of Nebraska, and I understand that false claims are subject to disciplinary action.
- I have NOT YET satisfied the mandatory continuing education requirements of Nebraska.
- I have served on active duty in the armed forces of the United States or any state for a period of time exceeding 120 days in one or both calendar years of my renewal period. Supporting documents for each year of active duty will be required.
- Other

---

# Other Continuing Education Items

# Completion Certificates

---

- Most helpful when they contain the following information:
  1. Title of activity
  2. Date, time, and location
  3. Presenter and/or provider
  4. List of learning objectives
  5. Delivery Method

# Q & A

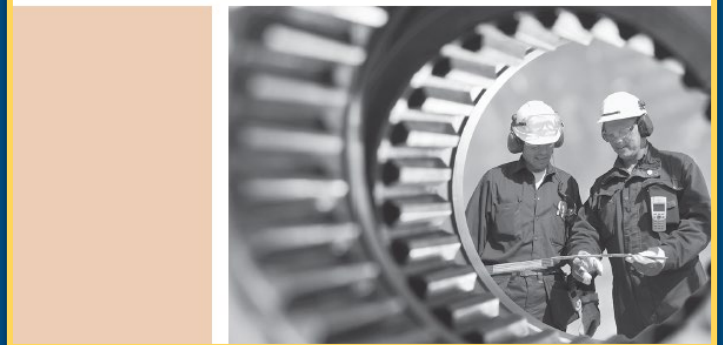
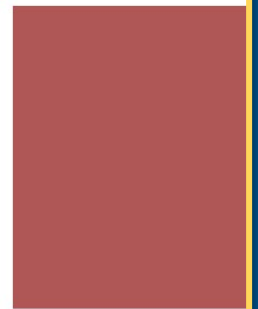
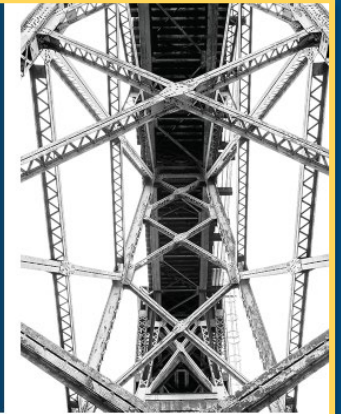


STATE OF NEBRASKA BOARD OF  
ENGINEERS AND ARCHITECTS

(402) 471-2021  
[nbea.office@nebraska.gov](mailto:nbea.office@nebraska.gov)

THE NEBRASKA  
ENGINEERS AND  
ARCHITECTS  
REGULATION ACT

2022  
HANDBOOK



now available at  
[ea.nebraska.gov](http://ea.nebraska.gov)