



1 GENERAL GOVERNMENT CABINET

2 Kentucky State Board of Licensure for Professional Engineers and Land Surveyors

3 (New Administrative Regulation)

4 201 KAR 18:096. Fire Protection Engineering Technology Program Core Curriculum.

5 RELATES TO: KRS 322.010, 322.040, 322.120, 322.290(4)

6 STATUTORY AUTHORITY: KRS 322.040(5), 322.290(4)

7 CERTIFICATION STATEMENT: This is to certify that this administrative regulation
8 complies with the requirements of 2025 RS HB 6, Section 8. The Board of Licensure for
9 Professional Engineers and Land Surveyors is not one of the agencies that is directed by House
10 Bill 6, Section 8(3) to include a certification by the Governor.

11 NECESSITY, FUNCTION, AND CONFORMITY: KRS 322.040(5) requires the board
12 to promulgate administrative regulations to establish requirements for consideration of
13 engineering topics, including engineering science or engineering design courses, as described in
14 KRS 322.040(1)(a)1.b. This administrative regulation establishes the courses the board will
15 consider engineering topics for an individual applying for licensure that graduated from a fire
16 protection engineering technology program pursuant to KRS 322.040(1)(a)1.b.

17 Section 1. The forty-five (45) semester credit hours of engineering topics considered by
18 the board for an individual applying for licensure that graduated from a fire protection
19 engineering technology program referred to in KRS 322.040(1)(a)1.b. shall consist of forty-five
20 (45) credit hours from a fire protection engineering technology program of four (4) years or more

1 accredited by the Engineering Technology Accreditation Commission of the Accreditation Board
2 for Engineering and Technology in the following subject areas:

- 3 (1) Computer Aided Drafting;
- 4 (2) Advanced Computational Fluid Dynamics;
- 5 (3) Advanced Extinguishing Systems Design and Analysis;
- 6 (4) Advanced Life Safety Analysis;
- 7 (5) Detection, Alarm & Smoke Control;
- 8 (6) Dynamics;
- 9 (7) Egress and Life Safety Analysis;
- 10 (8) Explosion Prevention & Protection;
- 11 (9) Fire Chemistry;
- 12 (10) Fire Dynamics;
- 13 (11) Fire Hazard and Risk Analysis;
- 14 (12) Fire Investigation;
- 15 (13) Fire Modeling;
- 16 (14) Fire Protection Related Codes & Standards;
- 17 (15) Fire Risk Management;
- 18 (16) Fire Service Operations;
- 19 (17) Fire Testing;
- 20 (18) Fluid Mechanics;
- 21 (19) Heat Transfer;
- 22 (20) Industrial Fire Protection;
- 23 (21) Mechanics of Materials;

- 1 (22) Performance Based Design;
- 2 (23) Special Hazards - Non-water Based Suppression;
- 3 (24) Statics;
- 4 (25) Storage and Transportation of Hazardous Materials;
- 5 (26) Structural Fire Protection;
- 6 (27) Thermodynamics;
- 7 (28) Water Based Suppression; or
- 8 (29) Wildland Fires.

APPROVED BY AGENCY:

July 18, 2025



KYLE L. ELLIOTT, Executive Director
Kentucky State Board of Licensure for
Professional Engineers and Land Surveyors

8/12/25

Date

PUBLIC HEARING AND PUBLIC COMMENT PERIOD

A public hearing on this administrative regulation shall be held on October 28, 2025, at 2:00 p.m., Eastern Standard Time, at the Kentucky Engineering Center, 160 Democrat Drive Frankfort, Kentucky 40601. Individuals interested in being heard at this hearing shall notify this agency in writing by five (5) workdays prior to the hearing, of their intent to attend. If no notification of intent to attend the hearing is received by that date, the hearing may be canceled. This hearing is open to the public. Any person who wishes to be heard will be given an opportunity to comment on the proposed administrative regulation. A transcript of the public hearing will not be made unless a written request for a transcript is made. If you do not wish to be heard at the public hearing, you may submit written comments on the proposed administrative regulation. Written comments shall be accepted through October 31, 2025. Send written notification of intent to be heard at the public hearing or written comments on the proposed administrative regulation to the contact person.

Contact Person: Kyle L. Elliott, Executive Director, Kentucky State Board of Licensure for Professional Engineers and Land Surveyors, 160 Democrat Drive Frankfort, Kentucky 40601, phone (502) 573-2680, facsimile (502) 573-6687, email kyle.elliott@ky.gov.

REGULATORY IMPACT ANALYSIS AND TIERING STATEMENT

201 KAR 18:096

Contact Person: Kyle L. Elliott

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Subject Headings: Boards and Commissions, Engineers and Land Surveyors, Occupations and Professions

(1) Provide a brief summary of:

(a) What this administrative regulation does:

This new administrative regulation establishes the engineering core curriculum required to qualify for licensure as a professional engineer for an individual that graduates from a fire protection engineering technology program of four (4) years or more accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.

(b) The necessity of this administrative regulation:

This administrative regulation is necessary to comply with the directive of KRS 322.040(5), which requires the Board to promulgate administrative regulations to establish requirements for consideration of the forty-five (45) college semester credit hours of engineering topics, including engineering science or engineering design courses, for those seeking licensure as professional engineers that have graduated from a fire protection engineering technology program of four (4) years or more accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.

(c) How this administrative regulation conforms to the content of the authorizing statutes:

This new administrative regulation, authorized by KRS 322.040(5), outlines the fundamental engineering course topics that will meet the core curriculum requirement for licensure as a professional engineer for those seeking licensure that have graduated from a fire protection engineering technology program of four (4) years or more accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology. This administrative regulation also conforms to the authorizing statute because the authorizing statute, KRS 322.290(4), give the board authority to promulgate administrative regulations reasonably necessary for the performance of its duties.

(d) How this administrative regulation currently assists or will assist in the effective administration of the statutes:

This administrative regulation ensures those seeking licensure as a professional engineer that graduated from a fire protection engineering technology program of four (4) years or more accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology are informed of the engineering topics, including engineering science or engineering design courses, that will count toward the forty-five (45) college semester credit hours core curriculum requirement.

(2) If this is an amendment to an existing administrative regulation, provide a brief summary of:

(a) How the amendment will change this existing administrative regulation:

Not applicable.

(b) The necessity of the amendment to this administrative regulation:

Not applicable.

(c) How the amendment conforms to the content of the authorizing statutes:

Not applicable.

(d) How the amendment will assist in the effective administration of the statutes:

Not applicable.

(3) Does this administrative regulation or amendment implement legislation from the previous five years?

Yes, this administrative regulation implements an amendment to KRS 322.040, which was amended by the General Assembly in 2025 RS HB 306, Section 1.

(4) List the type and number of individuals, businesses, organizations, or state and local governments affected by this administrative regulation:

Individuals seeking licensure as a professional engineer that graduated from a fire protection engineering technology program of four (4) years or more accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology will be impacted by this regulation. At this time, it is unknown how many individuals will seek licensure as a professional engineer that graduated from an applicable fire protection engineering technology program. No businesses, organizations, or state and local governments are anticipated to be affected by this administrative regulation.

(5) Provide an analysis of how the entities identified in question (4) will be impacted by either the implementation of this administrative regulation, if new, or by the change, if it is an amendment, including:

(a) List the actions that each of the regulated entities identified in question (4) will have to take to comply with this administrative regulation or amendment:

Individuals seeking licensure as a professional engineer who have graduated from a fire protection engineering technology program of four (4) years or more accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology will need to ensure their education meets the core curriculum requirements of this new administrative regulation.

(b) In complying with this administrative regulation or amendment, how much will it cost each of the entities identified in question (4):

There are no expected costs for those identified in question (4).

(c) As a result of compliance, what benefits will accrue to the entities identified in question (4):

An applicant who graduated from a fire protection engineering technology program of four (4) years or more accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology that meets the core curriculum will have the benefit of meeting the educational requirement for licensure as a professional engineer in the Commonwealth of Kentucky.

(6) Provide an estimate of how much it will cost the administrative body to implement this administrative regulation:

(a) Initially: None.

(b) On a continuing basis: None.

(7) What is the source of the funding to be used for the implementation and enforcement of this administrative regulation or this amendment:

No funds are needed for the implementation and enforcement of this administrative regulation. However, to the extent any funds are needed for the implementation and enforcement

of this new administrative regulation, the funds would be from restricted agency funds. The Kentucky State Board of Licensure for Professional Engineers and Land Surveyors receives no general or federal funds.

(8) Provide an assessment of whether an increase in fees or funding will be necessary to implement this administrative regulation, if new, or by the change if it is an amendment:

An increase in fees or funding will not be necessary to implement this new administrative regulation.

(9) State whether or not this administrative regulation establishes any fees or directly or indirectly increases any fees:

This new administrative regulation neither establishes any fees nor directly or indirectly increases any fees.

(10) TIERING: Is tiering applied? (Explain why or why not)

Tiering is not applied because the regulation is applicable only to those individuals seeking licensure as a professional engineer that have graduated from a fire protection engineering technology program of four (4) years or more accredited by the Engineering Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.

FISCAL IMPACT STATEMENT

201 KAR 18:096

Contact Person: Kyle L. Elliott

Phone: (502) 573-2680

Email: kyle.elliott@ky.gov

(1) Identify each state statute, federal statute, or federal regulation that requires or authorizes the action taken by the administrative regulation:

KRS 322.040(5) and KRS 322.290(4).

(2) State whether this administrative regulation is expressly authorized by an act of the General Assembly, and if so, identify the act:

This administrative regulation is expressly authorized by KRS 322.040, which was amended by the General Assembly in 2025 RS HB 306, Section 1.

(3) (a) Identify the promulgating agency and any other affected state units, parts, or divisions:

The promulgating agency is the Kentucky State Board of Licensure for Professional Engineers and Land Surveyors.

(b) Estimate the following for each affected state unit, part, or division identified in (3)(a):

1. Expenditures:

For the first year: None.

For subsequent years: None.

2. Revenues:

For the first year: None.

For subsequent years: None.

3. Cost Savings:

For the first year: None.

For subsequent years: None.

(4) (a) Identify affected local entities (for example: cities, counties, fire departments, school districts):

No local entities (cities, counties, fire departments, school districts) are affected.

(b) Estimate the following for each affected local entity identified in (4)(a):

1. Expenditures:

For the first year: Not applicable.

For subsequent years: Not applicable.

2. Revenues:

For the first year: Not applicable.

For subsequent years: Not applicable.

3. Cost Savings:

For the first year: Not applicable.

For subsequent years: Not applicable.

(5) (a) Identify any affected regulated entities not listed in (3)(a) or (4)(a):

No other regulated entities are affected by this administrative regulation.

(b) Estimate the following for each regulated entity identified in (5)(a):

1. Expenditures:

For the first year: Not applicable.

For subsequent years: Not applicable.

2. Revenues:

For the first year: Not applicable.

For subsequent years: Not applicable.

3. Cost Savings:

For the first year: Not applicable.

For subsequent years: Not applicable.

(6) Provide a narrative to explain the following for each entity identified in (3)(a), (4)(a), and (5)(a):

(a) Fiscal impact of this administrative regulation:

This administrative regulation will not have a major fiscal impact on state or local government or regulated entities.

(b) Methodology and resources used to reach this conclusion:

Not applicable.

(7) Explain, as it relates to the entities identified in (3)(a), (4)(a), and (5)(a):

(a) Whether this administrative regulation will have a “major economic impact”, as defined by KRS 13A.010(13):

This new administrative regulation will not have a “major economic impact.”

(b) The methodology and resources used to reach this conclusion:

Not applicable.