
HOUSE BILL No. 1257

DIGEST OF INTRODUCED BILL

Citations Affected: IC 25-31-1.

Synopsis: Professional engineers. Allows an applicant for registration as a professional engineer who fails the first examination to request to be readmitted to any of the next three examinations. (Current law allows an applicant to request to be readmitted to either of the next two examinations.) Allows the state board of registration for professional engineers to allow an applicant who misses an originally scheduled examination or the next three examinations to appear for another examination. (Current law provides that an applicant may be allowed to take another examination after missing the original examination or the next two examinations.) Allows the board to approve subsequent examinations for an applicant who fails three or more examinations and who submits evidence of acquiring additional knowledge for the examination. (Current law allows an applicant who fails two or more examinations to reapply for the examination.) Requires an applicant to complete the registration requirements for professional engineers in a specified order. Provides that the board may issue a license by reciprocity to an out-of-state professional engineer if the other jurisdiction's registration requirements: (1) do not conflict with Indiana's requirements; and (2) include certain specified requirements.

Effective: July 1, 2000.

Linder

January 10, 2000, read first time and referred to Committee on Commerce and Economic Development.



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Second Regular Session 111th General Assembly (2000)

PRINTING CODE. Amendments: Whenever an existing statute (or a section of the Indiana Constitution) is being amended, the text of the existing provision will appear in this style type, additions will appear in **this style type**, and deletions will appear in ~~this style type~~.

Additions: Whenever a new statutory provision is being enacted (or a new constitutional provision adopted), the text of the new provision will appear in **this style type**. Also, the word **NEW** will appear in that style type in the introductory clause of each SECTION that adds a new provision to the Indiana Code or the Indiana Constitution.

Conflict reconciliation: Text in a statute in *this style type* or ~~this style type~~ reconciles conflicts between statutes enacted by the 1999 General Assembly.

HOUSE BILL No. 1257



A BILL FOR AN ACT to amend the Indiana Code concerning professions and occupations.

Be it enacted by the General Assembly of the State of Indiana:

1 SECTION 1. IC 25-31-1-12 IS AMENDED TO READ AS
2 FOLLOWS [EFFECTIVE JULY 1, 2000]: Sec. 12. (a) The following
3 under either subdivision (1) or (2) shall be considered as minimum
4 evidence that the applicant is qualified for registration as a professional
5 engineer:

- 6 (1) All of the following, **completed in the order listed:**
 - 7 (A) Graduation in an approved engineering curriculum of four
 - 8 (4) years or more.
 - 9 (B) A specific record of four (4) years or more of progressive
 - 10 experience on engineering projects of sufficient quality
 - 11 acquired subsequent to graduation, which experience indicates
 - 12 that the applicant is qualified to be placed in responsible
 - 13 charge of engineering work requiring the exercise of judgment
 - 14 in the application of engineering sciences to the sound solution
 - 15 of engineering problems.
 - 16 (C) The successful passing of an examination as provided for
 - 17 in section 14 of this chapter.



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- 1 (2) All of the following, **completed in the order listed:**
2 (A) A specific record of eight (8) years or more of engineering
3 education and experience in engineering work, which indicates
4 that the applicant has acquired knowledge and skill and
5 practical experience in engineering work approximating that
6 required for registration as a professional engineer under
7 subdivision (1).
8 (B) The successful passing of an examination as provided for
9 in section 14 of this chapter.
- 10 (b) The following under either subdivision (1) or (2) shall be
11 considered as minimum evidence that the applicant is qualified for
12 certification as an engineering intern:
13 (1) All of the following:
14 (A) Graduation in an approved engineering curriculum of four
15 (4) years or more.
16 (B) The successful passing of an engineering intern
17 examination as provided in section 14 of this chapter.
18 (2) All of the following:
19 (A) A specific record of four (4) years or more of engineering
20 education and experience in engineering work indicating that
21 the applicant has acquired knowledge and skill approximating
22 that acquired through graduation in an approved engineering
23 curriculum of four (4) years or more.
24 (B) The successful passing of an engineering intern
25 examination as provided in section 14 of this chapter.
- 26 (c) The board may waive the examination under section 14 of this
27 chapter to any applicant who has been granted a certificate of
28 registration under section 21 of this chapter.
29 (d) An individual is not eligible for registration as a professional
30 engineer or certification as an engineering intern if the individual has
31 been convicted of:
32 (1) an act which would constitute grounds for disciplinary
33 sanction under IC 25-1-11; or
34 (2) a felony that has a direct bearing on the individual's ability to
35 practice competently.
- 36 (e) In considering the qualifications of applicants, responsible
37 charge of engineering teaching shall be construed as responsible charge
38 of engineering work. An applicant who holds a degree of master of
39 science of engineering or the equivalent thereof from a curriculum in
40 engineering approved by the board may be given a maximum credit of
41 one (1) year of experience in addition to the credit of four (4) years of
42 education. An applicant who holds a degree of doctor of philosophy or

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1 the equivalent thereof from a curriculum in engineering approved by
 2 the board may be given a maximum of credit of two (2) years of
 3 experience in addition to a credit of four (4) years of education.
 4 Graduation in a course other than engineering from a college or
 5 university acceptable to the board may be considered as equivalent to
 6 two (2) years engineering experience and education. The mere
 7 execution, as a contractor of work designed by a professional engineer,
 8 or the supervision of the construction of such work as a foreman or
 9 superintendent shall not be deemed to be engineering experience.

10 (f) Any person having the necessary qualifications to be registered
 11 under this chapter is eligible for registration although the individual
 12 may not be engaged in the practice of engineering at the time the
 13 application is made.

14 SECTION 2. IC 25-31-1-14 IS AMENDED TO READ AS
 15 FOLLOWS [EFFECTIVE JULY 1, 2000]: Sec. 14. (a) The
 16 examination required of all applicants for registration as a professional
 17 engineer shall be a written examination which shall be divided into the
 18 following two (2) parts, each of eight (8) hours duration:

- 19 (1) Engineering fundamentals.
- 20 (2) Principles and practice of engineering.

21 The board may adopt rules under IC 4-22-2 establishing additional
 22 examination requirements.

23 (b) The engineering fundamentals portion of the examination shall
 24 be designed to test the applicant's knowledge of mathematics and the
 25 physical and engineering sciences. The standards of proficiency
 26 required shall approximate that attained by graduation in an approved
 27 four (4) year engineering curriculum.

28 (c) The principles and practice of engineering portion of the
 29 examination shall be designed primarily to test the applicant's
 30 understanding of, and judgment and ability to apply correctly, the
 31 principles of:

- 32 (1) mathematics;
- 33 (2) the physical sciences;
- 34 (3) the engineering sciences; and
- 35 (4) engineering design analysis and synthesis;

36 to the practice of professional engineering. A part of the examination
 37 may be designed to test the applicant's knowledge and understanding
 38 of the ethical, economic and legal principles relating to the practices of
 39 professional engineering.

40 (d) An applicant for registration as a professional engineer who
 41 holds an engineering intern certificate issued in Indiana or in any other
 42 state or territory having equivalent standards may be exempted from

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1 the engineering fundamentals portion of the examination.

2 (e) An applicant must successfully pass the engineering
3 fundamentals portion of the examination before taking the principles
4 and practice portion of the examination.

5 (f) Examinations shall be held at times and places as determined by
6 the board at least two (2) times each year. Examinations for
7 certification as an engineering intern may be held separately from the
8 examinations for registration as a professional engineer.

9 (g) An applicant for registration as a professional engineer who is
10 presently registered in another state or territory may be assigned a
11 written examination as the board deems necessary to meet the
12 requirements of this chapter.

13 (h) An applicant for registration as a professional engineer who fails
14 in the first examination **taken in either of the two (2) parts described**
15 **in subsection (a)** may request to be readmitted for a second
16 examination **in the same part** at **either any** of the next ~~two (2)~~ **three**
17 **(3)** regularly scheduled examinations. Upon application and at the
18 discretion of the board, an applicant who misses:

19 (1) the originally scheduled examination **in either part described**
20 **in subsection (a);** or

21 (2) the next ~~two (2)~~ **three (3)** regularly scheduled examinations
22 **in the same part;**

23 may be given permission to appear for another regularly scheduled
24 examination **in that part**. The amount of fee to be paid for each
25 examination shall be determined by the board under IC 25-1-8-2.

26 (i) If an applicant who has failed ~~two (2)~~ **three (3)** or more
27 examinations **in either part described in subsection (a)** reapplies and
28 submits evidence of acquiring additional knowledge for the
29 examination **in the part failed**, the board may give the applicant
30 approval to take subsequent examinations **in that part**.

31 SECTION 3. IC 25-31-1-21 IS AMENDED TO READ AS
32 FOLLOWS [EFFECTIVE JULY 1, 2000]: Sec. 21. (a) The board may,
33 upon **the individual's** application and payment of a fee established by
34 the board in the board's rules, issue a certificate of registration as a
35 professional engineer to an individual who holds a valid certificate of
36 registration as a professional engineer, issued to the applicant by the
37 proper authority of any state or territory or possession of the United
38 States, if the requirements for registration of professional engineers that
39 the certificate of registration was issued under:

40 (1) do not, **in the opinion of the board**, conflict with the
41 provisions of this chapter; **and**

42 (2) **include, at a minimum, the requirements described in**

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subsection (b).

In determining the qualifications of an applicant, the board may accept the verified professional record of the applicant that is certified by the National Council of Examiners for Engineers and Surveyors.

(b) The requirements for registration in another jurisdiction under subsection (a) must include either of the following:

(1) The requirement that the applicant prove completion of the following, in the order listed:

(A) Graduation from an approved engineering program of at least four (4) years.

(B) A specific record of at least four (4) years of progressive experience, acquired after graduation, on engineering projects of sufficient quality, which indicates that the applicant is qualified to be placed in responsible charge of engineering work requiring the exercise of judgment in the application of engineering sciences to the sound solution of engineering problems.

(C) The successful passing of an examination substantially equivalent to the examination required in section 14 of this chapter.

(2) The requirement that the applicant prove completion of the following, in the order listed:

(A) A specific record of at least eight (8) years of engineering education and experience in engineering work that indicates that the applicant has acquired knowledge and skill and practical experience in engineering work approximating that required under subdivision (1).

(B) The successful passing of an examination substantially equivalent to the examination required in section 14 of this chapter.

(c) Notwithstanding subsection (b), an individual who:

(1) is registered as a professional engineer in another jurisdiction; and

(2) has completed fewer than the number of years of engineering experience required by either subsection (b)(1) or (b)(2) before passing the other jurisdiction's examination;

may qualify for a twelve (12) month reduction in the experience requirement under either subsection (b)(1) or (b)(2) if the individual has had at least twelve (12) years of responsible charge of engineering work following the individual's successful passing of the other jurisdiction's examination.

SECTION 4. [EFFECTIVE JULY 1, 2000] (a) As used in this

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1 **SECTION, "board" refers to the state board of registration for**
2 **professional engineers created by IC 25-31-1-3.**
3 **(b) IC 25-31-1-12, as amended by this act, applies to applications**
4 **that are:**
5 **(1) made under IC 25-31-1-12, as amended by this act, for**
6 **registration as a professional engineer in Indiana; and**
7 **(2) received by the board after June 30, 2000.**
8 **(c) This SECTION expires July 1, 2004.**
9 SECTION 5. [EFFECTIVE JULY 1, 2000] (a) **As used in this**
10 **SECTION, "board" refers to the state board of registration for**
11 **professional engineers created by IC 25-31-1-3.**
12 **(b) IC 25-31-1-21, as amended by this act, applies to applications**
13 **that are:**
14 **(1) made under IC 25-31-1-21, as amended by this act, for**
15 **registration as a professional engineer in Indiana; and**
16 **(2) received by the board after June 30, 2000.**
17 **(c) This SECTION expires July 1, 2004.**

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