
HOUSE BILL 2173

State of Washington

53rd Legislature

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By Representatives Heavey, G. Cole and King; by request of Department of Licensing

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1 AN ACT Relating to registration of engineers-in-training; and
2 amending RCW 18.43.020 and 18.43.040.

3 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF WASHINGTON:

4 **Sec. 1.** RCW 18.43.020 and 1991 c 19 s 1 are each amended to read
5 as follows:

6 Engineer: The term "engineer" as used in this chapter shall mean
7 a professional engineer as hereinafter defined.

8 Professional engineer: The term "professional engineer" within the
9 meaning and intent of this chapter, shall mean a person who, by reason
10 of his or her special knowledge of the mathematical and physical
11 sciences and the principles and methods of engineering analysis and
12 design, acquired by professional education and practical experience, is
13 qualified to practice engineering as hereinafter defined, as attested
14 by his or her legal registration as a professional engineer.

15 Engineer-in-training: The term "engineer-in-training" as used in
16 this chapter ((shall)) means a candidate ((for registration as a
17 professional engineer who is a graduate in an approved engineering
18 curriculum of four years or more from a school or college approved by
19 the board as of satisfactory standing, or who has had four years or

1 ~~more of experience in engineering work of a character satisfactory to~~
2 ~~the board; and who, in addition, has)) who: (1) Has satisfied the~~
3 ~~experience requirements in RCW 18.43.040 for registration; (2) has~~
4 ~~successfully passed the examination in the fundamental engineering~~
5 ~~subjects ((prior to completion of the requisite years of experience in~~
6 ~~engineering work as provided in RCW 18.43.060, and who shall have~~
7 ~~received a certificate stating that he or she has successfully passed~~
8 ~~this portion of the professional examination)); and (3) is enrolled by~~
9 ~~the board as an engineer-in-training.~~

10 Engineering: The term "engineering" as used in this chapter shall
11 mean the "practice of engineering" as hereinafter defined.

12 Practice of engineering: The term "practice of engineering" within
13 the meaning and intent of this chapter shall mean any professional
14 service or creative work requiring engineering education, training, and
15 experience and the application of special knowledge of the
16 mathematical, physical, and engineering sciences to such professional
17 services or creative work as consultation, investigation, evaluation,
18 planning, design and supervision of construction for the purpose of
19 assuring compliance with specifications and design, in connection with
20 any public or private utilities, structures, buildings, machines,
21 equipment, processes, works, or projects.

22 A person shall be construed to practice or offer to practice
23 engineering, within the meaning and intent of this chapter, who
24 practices any branch of the profession of engineering; or who, by
25 verbal claim, sign, advertisement, letterhead, card, or in any other
26 way represents himself or herself to be a professional engineer, or
27 through the use of some other title implies that he or she is a
28 professional engineer; or who holds himself or herself out as able to
29 perform, or who does perform, any engineering service or work or any
30 other professional service designated by the practitioner or recognized
31 by educational authorities as engineering.

32 The practice of engineering shall not include the work ordinarily
33 performed by persons who operate or maintain machinery or equipment.

34 Land surveyor: The term "land surveyor" as used in this chapter
35 shall mean a person who, through technical knowledge and skill gained
36 by education and/or by experience, is qualified to practice land
37 surveying as hereinafter defined.

38 Practice of land surveying: The term "practice of land surveying"
39 within the meaning and intent of this chapter, shall mean assuming

1 responsible charge of the surveying of land for the establishment of
2 corners, lines, boundaries, and monuments, the laying out and
3 subdivision of land, the defining and locating of corners, lines,
4 boundaries and monuments of land after they have been established, the
5 survey of land areas for the purpose of determining the topography
6 thereof, the making of topographical delineations and the preparing of
7 maps and accurate records thereof, when the proper performance of such
8 services requires technical knowledge and skill.

9 Board: The term "board" as used in this chapter shall mean the
10 state board of registration for professional engineers and land
11 surveyors, provided for by this chapter.

12 **Sec. 2.** RCW 18.43.040 and 1991 c 19 s 2 are each amended to read
13 as follows:

14 The following will be considered as minimum evidence satisfactory
15 to the board that the applicant is qualified for registration as a
16 professional engineer, engineer-in-training, or land surveyor,
17 respectively, to wit:

18 As a professional engineer: A specific record of eight years or
19 more of experience in engineering work of a character satisfactory to
20 the board and indicating that the applicant is competent to practice
21 engineering; and successfully passing a written or oral examination, or
22 both, in engineering as prescribed by the board.

23 Graduation in an approved engineering curriculum of four years or
24 more from a school or college approved by the board as of satisfactory
25 standing shall be considered equivalent to four years of such required
26 experience. The satisfactory completion of each year of such an
27 approved engineering course without graduation shall be considered as
28 equivalent to a year of such required experience. Graduation in a
29 curriculum other than engineering from a school or college approved by
30 the board shall be considered as equivalent to two years of such
31 required experience: PROVIDED, That no applicant shall receive credit
32 for more than four years of experience because of undergraduate
33 educational qualifications. The board may, at its discretion, give
34 credit as experience not in excess of one year, for satisfactory
35 postgraduate study in engineering.

36 As an engineer-in-training: (~~The board shall permit~~) An
37 applicant for registration as a professional engineer(~~, upon his or~~
38 ~~her request, to~~) shall take the prescribed examination in two stages.

1 The first stage of the examination may be taken upon submission of his
2 or her application for registration as an engineer-in-training and
3 payment of the application fee ((~~herein~~)) prescribed((~~7~~)) in RCW
4 18.43.050 at any time after the applicant has completed four years of
5 the required engineering experience as defined ((~~above~~)) in this
6 section, or has achieved senior standing in a school or college
7 approved by the board. The first stage of the examination shall test
8 the applicant's knowledge of appropriate fundamentals of engineering
9 subjects, including mathematics and the basic sciences.

10 At any time after the completion of the required eight years of
11 engineering experience as defined ((~~above~~)) in this section, the
12 applicant may take the second stage of the examination, upon submission
13 of an application for registration and payment of the application fee
14 ((~~herein~~)) prescribed in RCW 18.43.050. This stage of the examination
15 shall test the applicant's ability, upon the basis of his or her
16 greater experience, to apply his or her knowledge and experience in the
17 field of his or her specific training and qualifications.

18 As a land surveyor: A specific record of six years or more of
19 experience in land surveying work of a character satisfactory to the
20 board and indicating that the applicant is competent to practice land
21 surveying, and successfully passing a written or oral examination, or
22 both, in surveying as prescribed by the board.

23 Graduation from a school or college approved by the board as of
24 satisfactory standing, including the completion of an approved course
25 in surveying, shall be considered equivalent to four years of such
26 required experience.

27 No person shall be eligible for registration as a professional
28 engineer, engineer-in-training, or land surveyor, who is not of good
29 character and reputation.

30 Engineering teaching, of a character satisfactory to the board,
31 shall be considered as experience not in excess of two years for
32 professional engineering and one year for land surveying.

33 The mere execution, as a contractor, of work designed by a
34 professional engineer, or the supervision of the construction of such
35 work as a foreman or superintendent shall not be deemed to be practice
36 of engineering.

37 Any person having the necessary qualifications prescribed in this
38 chapter to entitle him or her to registration shall be eligible for

1 such registration although the person may not be practicing his or her
2 profession at the time of making his or her application.

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