
HOUSE BILL 2897

State of Washington 52nd Legislature 1992 Regular Session

By Representatives O'Brien, Vance, Paris and Carlson

Read first time 01/31/92. Referred to Committee on Commerce & Labor.

1 AN ACT Relating to engineers and professional land surveyors;
2 amending RCW 18.43.020, 18.43.040, 18.43.050, and 18.43.070; and
3 providing an effective date.

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

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

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

9 Professional engineer: The term "professional engineer" within the
10 meaning and intent of this chapter, shall mean a person who, by reason
11 of his or her special knowledge of the mathematical and physical
12 sciences and the principles and methods of engineering analysis and
13 design, acquired by professional education and practical experience, is

1 qualified to practice engineering as hereinafter defined, as attested
2 by his or her legal registration as a professional engineer.

3 Engineer-in-training: The term "engineer-in-training" as used in
4 this chapter (~~((shall))~~) means a candidate (~~((for registration as a
5 professional engineer who is a graduate in an approved engineering
6 curriculum of four years or more from a school or college approved by
7 the board as of satisfactory standing, or who has had four years or
8 more of experience in engineering work of a character satisfactory to
9 the board; and who, in addition, has))~~) who has: (1) Satisfied the
10 experience requirements in RCW 18.43.040 for registration, (2)
11 successfully passed the examination in the fundamental engineering
12 subjects ((prior to completion of the requisite years of experience in
13 engineering work as provided in RCW 18.43.060, and who shall have
14 received a certificate stating that he or she has successfully passed
15 this portion of the professional examination)), and (3) is enrolled by
16 the board as an engineer-in-training.

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

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

29 A person shall be construed to practice or offer to practice
30 engineering, within the meaning and intent of this chapter, who

1 practices any branch of the profession of engineering; or who, by
2 verbal claim, sign, advertisement, letterhead, card, or in any other
3 way represents himself or herself to be a professional engineer, or
4 through the use of some other title implies that he or she is a
5 professional engineer; or who holds himself or herself out as able to
6 perform, or who does perform, any engineering service or work or any
7 other professional service designated by the practitioner or recognized
8 by educational authorities as engineering.

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

11 Land surveyor: The term "land surveyor" as used in this chapter
12 shall mean a (~~person who, through technical knowledge and skill gained~~
13 ~~by education and/or by experience, is qualified to practice land~~
14 ~~surveying as hereinafter defined~~) professional land surveyor.

15 Professional land surveyor: The term "professional land surveyor"
16 as used in this chapter means a person who, by reason of his or her
17 special knowledge of the mathematical and physical sciences and
18 principles and practices of land surveying, which is acquired by
19 professional education and practical experience, is qualified to
20 practice land surveying and as attested to by his or her legal
21 registration as a professional land surveyor.

22 Land-surveyor-in-training: The term "land-surveyor-in-training" as
23 used in this chapter means a candidate who: (1) Has satisfied the
24 experience requirements in RCW 18.43.040 for registration, (2)
25 successfully passes the examination in the fundamental land surveying
26 subjects, and (3) is enrolled by the board as a land-surveyor-in-
27 training.

28 Practice of land surveying: The term "practice of land surveying"
29 within the meaning and intent of this chapter, shall mean assuming
30 responsible charge of the surveying of land for the establishment of

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

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

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

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

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

22 Graduation in an approved engineering curriculum of four years or
23 more from a school or college approved by the board as of satisfactory
24 standing shall be considered equivalent to four years of such required
25 experience. The satisfactory completion of each year of such an
26 approved engineering course without graduation shall be considered as
27 equivalent to a year of such required experience. Graduation in a
28 curriculum other than engineering from a school or college approved by
29 the board shall be considered as equivalent to two years of such

1 required experience: PROVIDED, That no applicant shall receive credit
2 for more than four years of experience because of undergraduate
3 educational qualifications. The board may, at its discretion, give
4 credit as experience not in excess of one year, for satisfactory
5 postgraduate study in engineering.

6 As an engineer-in-training: (~~The board shall permit~~) An
7 applicant for registration as a professional engineer(~~, upon his or~~
8 ~~her request, to~~) shall take the prescribed examination in two stages.
9 The first stage of the examination may be taken upon submission of his
10 or her application for registration as an engineer-in-training and
11 payment of the application fee (~~herein~~) prescribed(~~(7)~~) in RCW
12 18.43.050 at any time after the applicant has completed four years of
13 the required engineering experience, as defined (~~above~~) in this
14 section, or has achieved senior standing in a school or college
15 approved by the board. The first stage of the examination shall test
16 the applicant's knowledge of appropriate fundamentals of engineering
17 subjects, including mathematics and the basic sciences.

18 At any time after the completion of the required eight years of
19 engineering experience, as defined (~~above~~) in this section, the
20 applicant may take the second stage of the examination(~~(7)~~) upon
21 submission of an application for registration and payment of the
22 application fee (~~herein~~) prescribed in RCW 18.43.050. This stage of
23 the examination shall test the applicant's ability, upon the basis of
24 his or her greater experience, to apply his or her knowledge and
25 experience in the field of his or her specific training and
26 qualifications.

27 As a professional land surveyor: A specific record of (~~six~~)
28 eight years or more of experience in land surveying work of a character
29 satisfactory to the board and indicating that the applicant is
30 competent to practice land surveying, and successfully passing a

1 written or oral examination, or both, in surveying as prescribed by the
2 board.

3 Graduation from a school or college approved by the board as of
4 satisfactory standing, including the completion of an approved course
5 in surveying, shall be considered equivalent to four years of ((such))
6 the required experience. Postgraduate college courses approved by the
7 board shall be considered for up to one additional year of the required
8 experience.

9 As a land-surveyor-in-training: An applicant for registration as
10 a professional land surveyor shall take the prescribed examination in
11 two stages. The first stage of the examination may be taken upon
12 submission of his or her application for registration as a land-
13 surveyor-in-training and payment of the application fee prescribed in
14 RCW 18.43.050 at any time after the applicant has completed four years
15 of the required land surveying experience, as defined in this section,
16 or has achieved senior standing in a school or college approved by the
17 board. The first stage of the examination shall test the applicant's
18 knowledge of appropriate fundamentals of land surveying subjects,
19 including mathematics and the basic sciences.

20 At any time after the completion of the required eight years of
21 land surveying experience, as defined in this section, the applicant
22 may take the second stage of the examination upon submission of an
23 application for registration and payment of the application fee
24 prescribed in RCW 18.43.050. This stage of the examination shall test
25 the applicant's ability, upon the basis of greater experience, to apply
26 knowledge and experience in the field of land surveying.

27 The first stage shall be successfully completed before the second
28 stage may be attempted. Applicants who have been approved by the board
29 to take the examination based on the requirement for six years of

1 experience under this section before the effective date of this act are
2 eligible to sit for the examination.

3 No person shall be eligible for registration as a professional
4 engineer, engineer-in-training, ~~((or))~~ professional land surveyor, or
5 land-surveyor-in-training, who is not of good character and reputation.

6 ~~((Engineering))~~ Teaching, of a character satisfactory to the
7 board~~((r))~~ shall be considered as experience not in excess of two years
8 for ~~((professional engineering and one year for land surveying))~~ the
9 appropriate profession.

10 The mere execution, as a contractor, of work designed by a
11 professional engineer, or the supervision of the construction of such
12 work as a foreman or superintendent shall not be deemed to be practice
13 of engineering.

14 Any person having the necessary qualifications prescribed in this
15 chapter to entitle him or her to registration shall be eligible for
16 such registration although the person may not be practicing his or her
17 profession at the time of making his or her application.

18 **Sec. 3.** RCW 18.43.050 and 1991 c 19 s 3 are each amended to read
19 as follows:

20 Application for registration shall be on forms prescribed by the
21 board and furnished by the director, shall contain statements made
22 under oath, showing the applicant's education and detail summary of his
23 or her technical work and shall contain not less than five references,
24 of whom three or more shall be engineers having personal knowledge of
25 the applicant's engineering experience.

26 The registration fee for professional engineers shall be determined
27 by the director as provided in RCW 43.24.086, which shall accompany the
28 application and shall include the cost of examination and issuance of
29 certificate. The fee for engineer-in-training shall be determined by

1 the director as provided in RCW 43.24.086, which shall accompany the
2 application and shall include the cost of examination and issuance of
3 certificate.

4 The registration fee for professional land surveyors shall be
5 determined by the director as provided in RCW 43.24.086, which shall
6 accompany the application and shall include the cost of examination and
7 issuance of certificate. The fee for land-surveyor-in-training shall
8 be determined by the director as provided in RCW 43.24.086, which shall
9 accompany the application and shall include the cost of examination and
10 issuance of certificate.

11 Should the board find an applicant ineligible for registration, the
12 registration fee shall be retained as an application fee.

13 **Sec. 4.** RCW 18.43.070 and 1991 c 19 s 5 are each amended to read
14 as follows:

15 The director of licensing shall issue a certificate of registration
16 upon payment of a registration fee as provided for in this chapter, to
17 any applicant who, in the opinion of the board, has satisfactorily met
18 all the requirements of this chapter. In case of a registered
19 engineer, the certificate shall authorize the practice of "professional
20 engineering" and specify the branch or branches in which specialized,
21 and in case of a registered land surveyor, the certificate shall
22 authorize the practice of "land surveying".

23 In case of engineer-in-training, the certificate shall state that
24 the applicant has successfully passed the examination in fundamental
25 engineering subjects required by the board and has been enrolled as an
26 "engineer-in-training". In case of land-surveyor-in-training, the
27 certificate shall state that the applicant has successfully passed the
28 examination in fundamental surveying subjects required by the board and
29 has been enrolled as a "land-surveyor-in-training." All certificates

1 of registration shall show the full name of the registrant, shall have
2 a serial number, and shall be signed by the chairman and the secretary
3 of the board and by the director of licensing.

4 The issuance of a certificate of registration by the director of
5 licensing shall be prima facie evidence that the person named therein
6 is entitled to all the rights and privileges of a registered
7 professional engineer or a registered land surveyor, while the said
8 certificate remains unrevoked and unexpired.

9 Each registrant hereunder shall upon registration obtain a seal of
10 the design authorized by the board, bearing the registrant's name and
11 the legend "registered professional engineer" or "registered land
12 surveyor". Plans, specifications, plats and reports prepared by the
13 registrant shall be signed, dated, and stamped with said seal or
14 facsimile thereof. Such signature and stamping shall constitute a
15 certification by the registrant that the same was prepared by or under
16 his or her direct supervision and that to his or her knowledge and
17 belief the same was prepared in accordance with the requirements of the
18 statute. It shall be unlawful for anyone to stamp or seal any document
19 with said seal or facsimile thereof after the certificate of registrant
20 named thereon has expired or been revoked, unless said certificate
21 shall have been renewed or reissued.

22 NEW SECTION. **Sec. 5.** This act shall take effect July 1, 1993.