

Sec. 20-300-3. Classes of applicants

Each applicant shall designate the classification in the following schedule of minimum requirements under which the application is to be considered. However, the board may, at its discretion, consider it under another classification.

(a) Professional engineer.

(1) Class 1. The applicant shall be a graduate of an approved course* in engineering in a school or college approved by the board as of satisfactory standing, have a specific record of an additional four years of experience in engineering work which shall be of a character satisfactory to the board and pass a written examination prescribed by the board, the first part of which shall test the applicant's knowledge of fundamental engineering subjects, including mathematics and the physical sciences, and the second part of which shall test the applicant's ability to apply the principles of engineering to the actual practice of engineering. The first and second parts of the written examination shall be the uniform examination provided to the board by the National Council of Engineering Examiners (NCEE). Work during the course of so-called cooperative education programs does not qualify as experience in engineering work. When an advanced degree in engineering has been awarded at an approved institution, education in residence may be considered as part of the experience requirement. The board may waive the first part of the written examination where an applicant holds a license or certificate as engineer-in-training issued by proper authority of any state or territory or possession of the United States, or any country, provided the requirements for licensure or certification of engineer-in-training under which such license or certificate was issued shall not conflict with the statutory provisions pertaining to and shall be of a standard not lower than the requirements for licensure of engineers-in-training in the State of Connecticut.

Class 1A. The board may waive the first part of the written examination for an applicant who has completed an approved course in engineering, and who has at least eight years of experience. With the exception of the above, all other requirements of this class shall be the same as for Class 1.

(2) Class 2. The applicant shall be a nongraduate with ten years or more of experience in engineering work which shall be of a character satisfactory to the board and which shall indicate knowledge, skill and education, approximating that attained through graduation from an approved course in engineering and the passing of the examination as described in Class 1. Special conditions of other nongraduate classifications are as follows:

(A) An applicant who has completed a nonapproved course in engineering in the United States and its territories requires at least six years qualifying professional experience following the degree and the passing of the examination.

(B) An applicant who has completed an engineering technology program requires the following minimum experience in acceptable engineering work and the passing of the examination:

(i) Two-year engineering technology program—(Associate Degree):

(aa) An applicant who has completed an accredited program** and holds an Engineer-In-Training (EIT) license or certificate described in paragraph (c) below requires eight and one-half years qualifying professional experience following degree.

(bb) An applicant who has completed an accredited program and does not hold an EIT

license or certificate requires ten years qualifying professional experience following degree.

(cc) An applicant who has completed a nonaccredited program and holds an EIT license or certificate requires ten years qualifying professional experience following degree.

(dd) An applicant who has completed a nonaccredited program and does not hold an EIT license or certificate requires ten years qualifying professional experience following degree.

(ii) Four-year engineering technology program (Bachelor's Degree):

(aa) An applicant who has completed an accredited program and holds an EIT license or certificate described in paragraph (c) below requires seven years qualifying professional experience following degree.

(bb) An applicant who completes an accredited program and does not hold an EIT license or certificate requires eight years qualifying professional experience following degree.

(cc) An applicant who completes a nonaccredited program and holds an EIT license or certificate requires nine years qualifying professional experience following degree.

(dd) An applicant who completes a nonaccredited program and does not hold an EIT license or certificate requires ten years qualifying professional experience following degree.

(C) An applicant who has completed an engineering course outside the United States and its territories requires the following minimum experience in acceptable engineering work and the passing of the examination:

(i) An applicant who holds an EIT license or certificate described in paragraph (c) below requires six to ten years qualifying professional experience following the degree where the number of years depends on the educational background of the applicant as evaluated by the board.

(ii) An applicant who does not hold an EIT license or certificate requires ten years qualifying professional experience following the degree.

(D) An applicant who has completed a science curriculum (Bachelor's Degree) requires the following minimum experience in acceptable engineering work and the passing of the examination:

(i) An applicant who holds an EIT license or certificate described in paragraph (c) below requires seven years qualifying professional experience following the degree.

(ii) An applicant who does not hold an EIT license or certificate requires eight years qualifying professional experience following the degree.

(3) Class 3. The applicant shall be a nongraduate who submits a specific record of twenty years or more of experience in engineering work. The applicant shall pass the examination as described in Class 1, but the board may waive the first part of the examination if the experience record is of a character satisfactory to the board. The record shall indicate that the applicant has been competent to be in responsible charge of his work.

(4) Class 4. The applicant shall hold a license, certificate or qualification or registration issued by a proper authority of any state or territory or possession of the United States, or any country, provided the requirements for licensure or registration of professional engineers under which such license, certificate of qualification or registration was issued shall not conflict with the statutory provisions pertaining to and be of a standard not lower than the requirements for licensure of professional engineers in the State of Connecticut.

(b) **Land surveyor.**

(1) Class 5. The applicant shall be a graduate of a school or college approved by the

board as of satisfactory standing, including the completion of an approved course*** in surveying, shall have a specific record of an additional three years of experience in land surveying, which shall be of a character satisfactory to the board and shall be deemed satisfactory experience when approximately 50% of the minimum required time is derived from property line surveying divided approximately equally between office and field experience and shall have passed a two-part written examination prescribed by the board. The first part of the examination shall test the applicant's knowledge of the fundamentals of land surveying and the second part shall test the applicant's knowledge of the procedures pertaining thereto. The first part and one-half of the second part of the written examination shall be the land surveyor examination provided to the board by the National Council of Examiners for Engineering and Surveying NCEES. The remaining half of the second part of the written examination isbe divided into a 3 hour section provided to the board by the NCEES and will be referred to as the Colonial Section and a one hour section prepared for the board by an authorized testing firm or by a committee of licensed land surveyors selected and approved by the board, and shall test the applicant's knowledge of Connecticut land surveying procedures and laws.

The three years additional experience shall be in a responsible, decision-making position normally under the direct supervision of a licensed land surveyor. Position as a party chief is not necessarily acceptable.

(2) Class 6. The applicant shall be a nongraduate with nine years or more of experience in surveying work at least three of which shall have been in land surveying and which shall be of a character satisfactory to the board and which shall indicate knowledge, skill and education approximating that attained through completion of an approved course in surveying and shall have passed a written examination as described in Class 5.

(A) The nine years of experience shall consist of the following:

(i) A minimum of three years experience shall be in a responsible decision-making position normally under the direct supervision of a licensed land surveyor, and a

(ii) Minimum of three years as a party chief.

(iii) Experience below the level of party chief may only be credited to the following extent: a maximum of two years in a position known as "instrument man," and a maximum of one year in a position known as "rodman."

(B) In lieu of the above, an applicant who has completed any of the following education programs related to surveying requires the following minimum experience in acceptable surveying work and the passing of the examination as described in Class 5.

Education	Minimum Experience Required
1. Four-year degree**** (civil engineering major)	4 years—1 year party chief and 3 years supervisory as defined in (i) above
2. Two-year degree (surveying major)	5 years—2 years party chief and 3 years supervisory as defined in (i) above
3. Two-year degree (civil technology major)	6 years—3 years party chief (maximum of 1 year as instrument man may be substituted) and 3 years supervisory as defined in (i) above

(3) Class 7. The applicant shall be a graduate or nongraduate who submits a specific record of sixteen years or more of experience in surveying work, at least ten of which shall have been in land surveying. The applicant shall pass the examination as described in Class 5, but the board may waive the first part of the examination if the experience record is of a character satisfactory to the board. The record shall indicate that the applicant has been competent to be in responsible charge of his work.

(A) The sixteen years of experience shall consist of the following:

(i) A minimum of ten years experience shall be in a responsible, decision-making position normally under the direct supervision of a licensed land surveyor, and

(ii) A minimum of three years as a party chief.

(iii) Experience below the level of party chief may only be credited to the following extent: A maximum of two years as an "instrument man," and a maximum of one year as a "rodman."

(4) Class 8. The applicant shall hold a license, certificate of qualification or registration issued by a proper authority of any state or territory or possession of the United States, or any country, provided the requirements for registration of land surveyors under which such license, certificate of qualification or registration was issued shall not conflict with the statutory provisions pertaining to and shall be of a standard not lower than the requirements for licensure of land surveyors in the State of Connecticut and shall have passed that portion of the written examination as described in Class 5 which is specific to Connecticut practice.

(5) General requirements for Classes 5, 6, 7, and 8.

(A) A maximum of one-year experience credit will be given for any one calendar year.

(B) Part-time surveying work will not be considered equal in time to full-time work. A maximum of fifty percent (50%) credit will be given for part-time surveying work.

(C) Military surveying work will not necessarily be considered equal in time to civilian work.

(D) Where application shows commingled experience in both engineering and land surveying, a breakdown shall be provided on the application form to show time in each discipline.

(E) The applicant shall indicate the name and license number of the land surveyor whose direct supervision he worked under when in a responsible, decision-making position.

(c) **Engineer-in-training.**

(1) Class 9. The applicant shall be a graduate of an approved course* in engineering and shall have passed the first part of a written examination as described in Class 1.

(2) Class 10. The applicant shall be a nongraduate with six years or more of experience in engineering work which shall be of a character satisfactory to the board and which shall indicate knowledge, skill and education approximating that attained through graduation from an approved course in engineering and shall have passed the first part of the written examination as described in Class 1. Special conditions of other nongraduate classifications are as follows:

(A) An applicant who has completed a nonapproved course in engineering in the United States and its territories, not eligible under the provisions of section 20-300-6, requires at least two years qualifying professional experience following the degree and the passing of the examination.

(B) An applicant who has completed an engineering technology program requires the following minimum experience in acceptable engineering work and the passing of the examination:

(i) Two-year engineering technology program (Associate Degree), both accredited** and nonaccredited programs require six years qualifying professional experience following degree.

(ii) Four-year engineering technology program (Bachelor's Degree):

(aa) An applicant who completes an accredited program** requires four years qualifying professional experience following degree.

(bb) An applicant who completes a nonaccredited program requires five years qualifying professional experience following degree.

(C) An applicant who has completed an engineering course outside the United States and its territories requires six years qualifying professional experience following the degree and the passing of the examination.

(D) An applicant who has completed a science curriculum (Bachelor's Degree) requires four years qualifying professional experience following the degree and the passing of the examination.

(3) Class 11. The applicant shall hold a license or certificate of qualification as an engineer-in-training issued by a proper authority of any state or territory or possession of the United States, or any country, provided the requirements for certification under which such license or certificate of qualification was issued shall not conflict with the statutory provisions pertaining to and are of a standard at least equal to the requirements for licensure as an engineer-in-training in the State of Connecticut.

(d) **Surveyor-in-training.**

(1) Class 12. The applicant shall be a graduate of an approved*** surveying curriculum of four years or more approved by the board as being of satisfactory standing and shall have passed part I of the national examination relating to fundamentals of land surveying.

(2) Class 13. The applicant shall be a graduate of a related science curriculum of four years or more which shall include surveying courses satisfactory to the board, have a specific record of two years or more of land surveying experience satisfactory to the board, and shall have passed part I of the national examination relating to fundamentals of land surveying.

(3) Class 14. The applicant shall be a graduate of a related science curriculum of two years or more which shall include surveying courses satisfactory to the board, have a specific record of four years or more of land surveying experience satisfactory to the board, and shall have passed part I of the national examination relating to the fundamentals of surveying.

Class 14A. The applicant shall be a nongraduate with six years or more of experience in surveying work which work is of a character satisfactory to the board and which indicates knowledge, skill and education approximating that attained through completion of an approved course in surveying, provided any such person shall have passed part I of the national examination relating to the fundamentals of land surveying.

(4) Class 15. The applicant shall hold a license or certificate of qualification as a surveyor-in-training (SIT) issued by a proper authority of any state or territory or possession of the United States, or any country, provided the requirements for certification under which

such license or certificate of qualification was issued shall not conflict with the statutory provisions pertaining to and are of a standard at least equal to the requirements for licensure as a surveyor-in-training in the State of Connecticut.

(5) General requirements for classes 12, 13, 14 and 14A.

(A) Senior students in the last semester of an approved*** curriculum may apply for the SIT examination and shall be permitted to take the examination prior to graduation provided application is made under class 12. Certification will be granted only after graduation and passing the examination.

(B) Experience requirements for classes 13, 14 and 14a shall be under the direct supervision of a practicing, licensed land surveyor.

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* The list of approved engineering courses adopted by the board is that compiled annually by the accreditation board for engineering and technology entitled “accredited programs” leading to first degrees in engineering in the United States and that compiled annually by the Canadian Accreditation Board for accredited engineering curricula in Canada. An applicant whose first degree from an institution is not on this list but who holds a higher engineering degree from an institution whose first degree is listed will be considered as a graduate of an approved course.

** The list of accredited programs in engineering technology adopted by the board is compiled annually by the accreditation board for engineering and technology entitled “accredited programs” leading to degrees in engineering technology.

*** An approved course in surveying is at least a baccalaureate degree in surveying from a school, college, or university holding regional accreditation, including the completion of at least thirty (30) semester credits in surveying subjects.

**** Completed surveying courses may be used as party chief experience at the rate of one-year experience for thirty (30) semester credits.

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