

than 1 year of equivalent experience credit may be awarded under this subsection.

History: Cr. Register, February, 1987, No. 374, eff. 3-1-87; am. (1), cr. (3) and (4), Register, January, 1993, No. 445, eff. 2-1-93.

A-E 4.06 Professional engineer: types of applications and requirements. Section 443.04 (1) (a) through (d), Stats., provide 4 methods by which an applicant may qualify for registration as a professional engineer. Requirements for each type of application are as follows:

(1) **ENGINEERING DIPLOMA.** Applicants under s. 443.04 (1) (a), Stats., shall complete the fundamentals of engineering, the principles and practice of engineering and the barrier free design parts of the examination.

(2) **8 YEARS EXPERIENCE.** Applicants under s. 443.04 (1) (b), Stats., shall complete the fundamentals of engineering, the principles and practice of engineering and the barrier free design parts of the examination.

(3) **12 YEARS EXPERIENCE.** Applicants under s. 443.04 (1) (c), Stats., shall complete the principles and practice of engineering and the barrier free design parts of the examination and shall submit a record which specifically describes the knowledge of mathematics, the physical sciences and the principles of engineering which the applicant has acquired by practical experience or professional education.

(4) **DIPLOMA AND 8 YEARS EXPERIENCE.** Applicants under s. 443.04 (1) (d), Stats., shall submit a statement describing provisions of Wisconsin law which govern the practice of engineering and which concern the design needs of people with physical disabilities; and evidence that the applicant has had at least 6 months of engineering experience in Wisconsin or has had sufficient contacts with this state to make the applicant familiar with Wisconsin engineering law and practice.

History: Cr. Register, February, 1987, No. 374, eff. 3-1-87.

A-E 4.07 Engineer-in-training. An applicant for certification as an engineer-in-training shall take and pass a fundamentals examination. Engineer-in-training applicants may also take the principles and practice, and the barrier free design examinations.

History: Cr. Register, February, 1987, No. 374, eff. 3-1-87.

A-E 4.08 Examinations. (1) SCOPE OF WRITTEN EXAMINATIONS. (a) The fundamentals examination requires an understanding of the physical and mathematical sciences involved in the fundamentals of engineering. The duration of the examination is 8 hours, administered in one day.

(b) The principles and practice examination requires the ability to apply engineering principles and judgment to problems in general engineering fields such as chemical, civil, electrical and mechanical fields. Questions involving economic analysis and the design needs of people with physical disabilities and relevant statutes and codes shall be included. The duration of the examination is 8 hours, administered in one day.

(c) The barrier free design examination requires the applicant to demonstrate knowledge of the design needs of people with physical disabilities.

(2) **REQUIREMENTS FOR ENTRANCE TO EXAMINATIONS.** (a) To be eligible to take the examination on fundamentals of engineering, the applicant shall:

1. Be of not less than senior standing in an accredited B.S. engineering program;

2. Have at least 4 years of engineering experience qualifying under s. A-E 4.03; or

3. Have a combination of engineering experience qualifying under s. A-E 4.03 and education qualifying under s. A-E 4.05 totalling at least 4 years.

(b) To be eligible to take the examination on the principles and practices of engineering, the applicant shall:

1. Have a B.S. degree from an accredited engineering program, and at least 4 years of engineering experience qualifying under s. A-E 4.03;

2. Have at least 8 years of engineering experience qualifying under s. A-E 4.03; or

3. Have a combination of engineering experience qualifying under s. A-E 4.03 and education qualifying under s. A-E 4.05 totalling at least 8 years.

Note: This version of A-E 4.08 (2) will go into effect on October 1, 1993.

(3) **APPLICATION FOR EXAMINATION.** An application for examination must be filed with the board no later than 2 months before the scheduled date for the examination.

(4) **EXAMINATION AND REFUND FEES.** The fee for an engineer-in-training or professional engineer examination and requirements for refund of fees are specified in s. 440.05, Stats., and ch. RL 4.

(5) **PLACE AND TIME OF EXAMINATIONS.** The examinations shall be held at sites and on dates designated by the board.

(6) **GRADING OF WRITTEN EXAMINATIONS.** Experience ratings may not be weighed as a part of the examinations.

(7) **EXAMINATION REVIEW.** (a) Any applicant for an engineer examination may only review questions on any part of an examination failed by the applicant within one year from the date of the examination, as specified in s. 443.09 (6), Stats.

(b) An applicant shall contact the board office, located at 1400 East Washington Avenue, Madison, Wisconsin 53702, to schedule an appointment to review the appropriate examination parts. The applicant may take notes on the examination questions reviewed. No notes may be retained by the applicant following the review. All notes taken during the review shall be placed in the applicant's file. The review may not take place within 30 days prior to a scheduled examination.

History: Cr. Register, February, 1987, No. 374, eff. 3-1-87; am. (1) (b), Register, May, 1990, No. 413, eff. 6-1-90; r. and recr. (2), Register, June, 1993, No. 450, eff. 10-1-93.

A-E 4.09 Application contents. An application shall include:

(1) Transcripts or apprenticeship records verifying the applicant's education and training;

(2) References from at least 5 individuals having personal knowledge of the applicant's experience in profes-

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sional engineering, 3 of whom are licensed professional engineers;

(3) A chronological history of the applicant's employment; and

(4) Any additional data, exhibits or references showing the extent and quality of the applicant's experience that may be required by the professional engineers section.

History: Cr. Register, January, 1993, No. 445, eff. 2-1-93.