

Chapter 196-20 WAC

ENGINEERS-IN-TRAINING

WAC

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DISPOSITION OF SECTIONS FORMERLY CODIFIED IN THIS CHAPTER

196-20-040	Fees. [Order PL 224, § 196-20-040, filed 11/5/75; Order PL-115, § 196-20-040, filed 11/24/71; Rule ID, filed 8/4/64; Rule IIID, filed 12/26/62.] Repealed by 82-01-064 (Order 81-10), filed 12/18/81. Statutory Authority: RCW 18.43.035.
196-20-050	Correspondence. [Order PL-115, § 196-20-050, filed 11/24/71.] Repealed by Order PL 181, filed 1/28/75.

WAC 196-20-005 Declaration and purpose. This chapter contains rules and procedures for applications, eligibility and examinations to be enrolled as engineers-in-training.

[Statutory Authority: Chapters 18.43 and 18.235 RCW. 04-10-067, § 196-20-005, filed 5/3/04, effective 6/3/04.]

WAC 196-20-010 Eligibility and applications. The law requires the completion of four years of experience or having achieved senior standing in a school or college approved by the board prior to taking the fundamentals-of-engineering examination. If the applicant has achieved senior standing, that standing must be certified by said school or college. The four years may be gained as: Four years of approved education; four years of experience approved by the board; four years of combined education and experience. The experience to qualify for the fundamentals-of-engineering examination must be completed sixty days prior to the date of the examination. All applications must be completed on forms provided by the board and filed with the executive director at the board's address. The deadline for properly completed applications accompanied by the appropriate fee as listed in WAC 196-26A-025 is four months prior to the date of the examination. Late applications will be considered for a later examination.

All applicants should submit transcripts of degrees attained or college courses taken in order to obtain maximum experience credit except, applicants enrolled in a school or college having achieved senior standing in a baccalaureate curriculum in engineering approved by the board will be eligible to take the fundamentals-of-engineering examination without submitting college transcripts.

Once an application has been approved, no further application is required. An applicant who has taken an examination and failed or who qualified for an examination but did not take it shall submit a request in writing, accompanied by the applicable fee as listed in WAC 196-26A-025, to take or retake the examination, at least three months prior to the examination date.

[Statutory Authority: Chapters 18.43 and 18.235 RCW. 04-10-067, § 196-20-010, filed 5/3/04, effective 6/3/04. Statutory Authority: RCW 18.43.035. 96-11-086, § 196-20-010, filed 5/14/96, effective 7/1/96; 88-12-044 (Order PM 738), § 196-20-010, filed 5/27/88; 84-04-027 (Order PL 454), § 196-20-010, filed 1/25/84; 82-01-064 (Order 81-10), § 196-20-010, filed 12/18/81; Order PL 224, § 196-20-010, filed 11/5/75; Order PL-129, § 196-20-010, filed 7/27/72; Rule IA, filed 8/4/64; Rule IIIA, filed 12/26/62.]

WAC 196-20-020 Experience. The board shall evaluate all experience on a case-by-case basis and approve such experience as appropriate. Partial credit may be granted for experience and/or education that does not fully meet the requirements. The board will use the following criteria in evaluating an applicant's education and experience:

(1) Graduation in an approved engineering curriculum of four years or more from a school or college recognized by the board, is equivalent to the four-year experience requirement.

(2) Four years or more of broad based progressive experience in the fundamental knowledge of engineering theory and practice, of a character acceptable to the board, under the direct supervision of a person authorized by chapter 18.43 RCW or other applicable statute to practice engineering is equivalent to the four-year experience requirement.

The experience shall not be limited to, but must include, the following:

(a) Preparation of technical reports and specifications, including graphics;

(b) Application of mathematical techniques to problem solving;

(c) Application of the basic physical sciences (chemistry, dynamics, statics, physics, etc.) in tasks;

(d) Performing assignments, experiments and tests to general specifications;

(e) Compilation and interpretation of data (statistical analysis, etc.);

(f) Executing complex engineering tasks according to instructions;

(g) Effective communication with associates and presenting recommendations and conclusions to supervisor;

(h) Knowledge of the impacts of the products of technology on society (i.e., energy/environmental considerations).

(3) In evaluating the four years of combined education and experience, the board will be looking at transcripts and work experience to determine knowledge in subsection (2)(a) through (h) of this section.

(4) In the judgment of the board, the applicant must have demonstrated increased levels of responsibility and a continuous gain in experience and knowledge such that at the time of being approved for the fundamentals-of-engineering examination, the applicant is capable of making independent judgments and decisions under the general guidance and direct supervision of an authorized professional.

[Statutory Authority: Chapters 18.43 and 18.235 RCW. 04-10-067, § 196-20-020, filed 5/3/04, effective 6/3/04. Statutory Authority: RCW 18.43.035. 96-11-086, § 196-20-020, filed 5/14/96, effective 7/1/96; 87-13-005 (Order

PM 606), § 196-20-020, filed 6/4/87; Rule IB, filed 8/4/64; Rule IIIB, filed 12/26/62.]

WAC 196-20-030 Examinations. (1) The fundamentals-of-engineering examination is given at times and places designated by the board. The schedule of future examinations and an examination syllabus may be obtained at the internet web site of the National Council of Examiners for Engineering and Surveying (NCEES).

(2) An applicant passing the fundamentals-of-engineering examination will be enrolled as an engineer-in-training pursuant to RCW 18.43.020(3).

[Statutory Authority: Chapters 18.43 and 18.235 RCW. 04-10-067, § 196-20-030, filed 5/3/04, effective 6/3/04. Statutory Authority: RCW 18.43.035. 96-11-086, § 196-20-030, filed 5/14/96, effective 7/1/96; 87-13-005 (Order PM 606), § 196-20-030, filed 6/4/87; 84-04-027 (Order PL 454), § 196-20-030, filed 1/25/84; 82-01-064 (Order 81-10), § 196-20-030, filed 12/18/81; Order PL 181, § 196-20-030, filed 1/28/75; Order PL-129, § 196-20-030, filed 7/27/72; Order PL-115, § 196-20-030, filed 11/24/71; Rule IC, filed 8/4/64; Rule IIIC, filed 12/26/62.]

WAC 196-20-035 Examination review. Because the examination contains only multiple choice questions and no essay (free response) questions, and the examination cannot be appealed, no review of the fundamentals-of-engineering examination will be permitted. However, examinees that fail to achieve a passing score will be provided a scoring breakdown of how they performed on the various subjects in the examination.

[Statutory Authority: RCW 18.035 [18.43.035]. 00-23-105, § 196-20-035, filed 11/21/00, effective 12/22/00.]