



# RULE-MAKING ORDER

(RCW 34.05.360)

CR-103 (7/22/01)

Agency: Department of Licensing

- Permanent Rule
- Emergency Rule
- Expedited Rule Making

(1) Date of adoption: April 30, 2004

(2) Purpose: Amendments will provide guidance to applicants with regard to the experience, education and examination application requirements to become enrolled as engineers in training. The rule is also reorganized and clarified in accordance with the Governor's directive for rule review.

(3) Citation of existing rules affected by this order:

Repealed:

Amended: Chapter 196-20

Suspended: N/A

(4) Statutory authority for adoption: Chapter 18.43 RCW and 18.235 RCW

Other Authority:

**PERMANENT RULE ONLY (Including Expedited Rule Making)**

Adopted under notice filed as WSR 04-04-027 on January 27, 2004.

Describe any changes other than editing from proposed to adopted version:

None

**EMERGENCY RULE ONLY**

Under RCW 34.05.350 the agency for good cause finds:

- (a) That immediate adoption, amendment, or repeal of a rule is necessary for the preservation of the public health, safety, or general welfare, and that observing the time requirements of notice and opportunity to comment upon adoption of a permanent rule would be contrary to the public interest.
- (b) That state or federal law or federal rule or a federal deadline for state receipt of federal funds requires immediate adoption of a rule.

Reasons for this finding:

(5.3) Any other findings required by other provisions of law as precondition to adoption or effectiveness of rule?:

- Yes
  - No
- If Yes, explain:

(6) Effective date of rule:

**Permanent Rules**

- 31 days after filing
- Other (specify) \_\_\_\_\_\*

**Emergency Rules**

- Immediately
- Later (specify) \_\_\_\_\_

\*(If less than 31 days after filing, specific finding in 5.3 under RCW 34.05.380(3) is required)

Name (Type or Print)

George A. Twiss

Signature

Title  
Executive Director

Date  
May 3, 2004

CODE REVISER USE ONLY

CODE REVISER USE ONLY  
STATE OF WASHINGTON  
FILED

MAY 3 2004

TIME 1:41

04-10-067

PLD

(COMPLETE REVERSE SIDE)

**Note: If any category is left blank, it will be calculated as zero.  
No descriptive text.**

Count by whole WAC sections only, from the WAC number through the history note.  
A section may be counted in more than one category.

**The number of sections adopted in order to comply with:**

<b>Federal statute:</b>	New	_____	Amended	_____	Repealed	_____
<b>Federal rules or standards:</b>	New	_____	Amended	_____	Repealed	_____
<b>Recently enacted state statutes:</b>	New	_____	Amended	_____	Repealed	_____

**The number of sections adopted at the request of a nongovernmental entity:**

New	_____	Amended	_____	Repealed	_____
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**The number of sections adopted in the agency's own initiative:**

New	<u>1</u>	Amended	<u>3</u>	Repealed	_____
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**The number of sections adopted in order to clarify, streamline, or reform agency procedures:**

New	<u>1</u>	Amended	<u>3</u>	Repealed	_____
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**The number of sections adopted using:**

<b>Negotiated rule making:</b>	New	_____	Amended	_____	Repealed	_____
<b>Pilot rule making:</b>	New	_____	Amended	_____	Repealed	_____
<b>Other alternative rule making:</b>	New	<u>1</u>	Amended	<u>3</u>	Repealed	_____

NEW SECTION

**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.

AMENDATORY SECTION (Amending WSR 96-11-086, filed 5/14/96, effective 7/1/96)

**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 (~~and charge~~) as listed in WAC (~~196-26-020~~) 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. (~~A written request accompanied by the applicable fee and charge as listed in WAC 196-26-020 shall be submitted to the board's office.~~)

**WAC 196-20-020 Experience.** (~~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.~~)

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.

~~((3) The criteria established in WAC 196-12-020 will be used to evaluate the applicant's education and/or work experience.))~~ 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 one 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.

AMENDATORY SECTION (Amending WSR 96-11-086, filed 5/14/96, effective 7/1/96)

**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 (~~from the board office~~) at the internet website 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).