

**Chapter 196-20 WAC
ENGINEERS-IN-TRAINING**

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WAC

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DISPOSITION OF SECTIONS FORMERLY CODIFIED IN THIS CHAPTER

196-20-035	Examination review. [Statutory Authority: RCW 18.035 [18.43.035]. WSR 00-23-105, § 196-20-035, filed 11/21/00, effective 12/22/00.] Repealed by WSR 14-07-106, filed 3/19/14, effective 4/19/14. Statutory Authority: RCW 18.43.035.
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 Repealed by WSR 82-01-064 (Order 81-10), filed 12/18/81.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 Repealed by Order PL 181, filed 1/28/75.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. WSR 04-10-067, § 196-20-005, filed 5/3/04, effective 6/3/04.]

WAC 196-20-010 How do I become eligible and register to take the fundamentals-of-engineering exam? (1) In order to be eligible to take the fundamentals-of-engineering exam, you must complete four years of education and/or experience as delineated in WAC 196-20-020.

(2) If you have completed a baccalaureate degree program which is accredited by the engineering accreditation commission (EAC) of the accreditation board for engineering and technology (ABET) or have achieved senior standing within that program, you may use the expedited process for FE exam registration as approved by the board.

(3) Applicants that do not meet the EAC educational credit described above must submit the full application to the board describing the education and/or experience that would meet the requirements in WAC 196-20-020 and then obtain written approval from the board prior to registering for the FE exam.

[Statutory Authority: RCW 18.43.035. WSR 14-07-106, § 196-20-010, filed 3/19/14, effective 4/19/14. Statutory Authority: Chapters 18.43 and 18.235 RCW. WSR 04-10-067, § 196-20-010, filed 5/3/04, effective 6/3/04. Statutory Authority: RCW 18.43.035. WSR 96-11-086, § 196-20-010, filed 5/14/96, effective 7/1/96; WSR 88-12-044 (Order PM 738), § 196-20-010, filed 5/27/88; WSR 84-04-027 (Order PL 454), § 196-20-010, filed 1/25/84; WSR 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 How is experience and education applied toward FE exam eligibility? Approval to sit for the fundamentals-of-engineering examination (FE) is based upon satisfactory evidence that the applicant has completed a minimum of four years of practical engineering

experience or four years of engineering education or a combination of both, as approved by the board.

(1) Experience: Qualifying practical experience shall not be limited to, but should 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).

(2) Education: Any qualifying practical engineering experience may be supplemented or substituted by education as:

(a) FOUR YEARS: A baccalaureate degree in engineering accredited by the engineering accreditation commission (EAC) of the accreditation board for engineering and technology (ABET); or

(b) FOUR YEARS: A baccalaureate degree in a nonengineering program if the degree is followed by a graduate degree in engineering from a school that has an ABET accredited undergraduate program in the same engineering discipline as the graduate degree; or

(c) THREE YEARS: A baccalaureate degree in engineering technology accredited by the engineering technology commission (ETAC) of the accreditation board for engineering and technology (ABET); or

(d) THREE YEARS: A baccalaureate degree in engineering in a non-ABET accredited program; or

(e) TWO YEARS: A baccalaureate degree in a nonengineering program.

(3) Foreign education: Unless exempted by the board all applicants with foreign degrees must have a transcript evaluation by a transcript evaluation service as approved by the board. The cost of the evaluation and the information needed to be evaluated is the responsibility of the applicant.

(a) FOUR YEARS: A baccalaureate degree from a foreign engineering program which is not EAC ABET accredited but is equivalent to an EAC ABET degree.

(b) THREE YEARS: A baccalaureate degree from a foreign engineering program, which is not EAC ABET accredited and is not equivalent to an EAC ABET degree.

(c) FOUR YEARS: A baccalaureate degree from a foreign engineering program that is not EAC ABET accredited, can waive the requirement for a transcript evaluation if they have a graduate degree in engineering from a program that has an ABET accredited baccalaureate engineering program in the same engineering discipline as the graduate degree.

[Statutory Authority: RCW 18.43.035. WSR 14-07-106, § 196-20-020, filed 3/19/14, effective 4/19/14. Statutory Authority: Chapters 18.43 and 18.235 RCW. WSR 04-10-067, § 196-20-020, filed 5/3/04, effective 6/3/04. Statutory Authority: RCW 18.43.035. WSR 96-11-086, § 196-20-020, filed 5/14/96, effective 7/1/96; WSR 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 Fundamentals of engineering examination. The content of the fundamentals-of-engineering examination and the times and places where the examination is available, is as approved by the board.

[Statutory Authority: RCW 18.43.035. WSR 14-07-106, § 196-20-030, filed 3/19/14, effective 4/19/14. Statutory Authority: Chapters 18.43 and 18.235 RCW. WSR 04-10-067, § 196-20-030, filed 5/3/04, effective 6/3/04. Statutory Authority: RCW 18.43.035. WSR 96-11-086, § 196-20-030, filed 5/14/96, effective 7/1/96; WSR 87-13-005 (Order PM 606), § 196-20-030, filed 6/4/87; WSR 84-04-027 (Order PL 454), § 196-20-030, filed 1/25/84; WSR 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 196-20-045 How do I obtain certification as an engineer-in-training in Washington? Certification as an engineer-in-training in Washington is only available to those applicants who designate Washington as their practice state when registering to take the FE exam and who also pass the FE exam. Those that meet the above conditions must submit an application for certification as an engineer-in-training to the board.

[Statutory Authority: RCW 18.43.035. WSR 14-07-106, § 196-20-045, filed 3/19/14, effective 4/19/14.]