

Chapter 196-20 WAC
FUNDAMENTALS OF ENGINEERING EXAM AND ENGINEERS-IN-TRAINING

Last Update: 11/2/21

WAC

196-20-005	Declaration and purpose.
196-20-007	Fundamentals of engineering exam.
196-20-010	Fundamentals-of-engineering exam registration process.
196-20-045	Obtaining certification as an engineer-in-training in Washington.

DISPOSITION OF SECTIONS FORMERLY CODIFIED IN THIS CHAPTER

196-20-020	How is experience and education applied toward FE exam eligibility? [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.] Repealed by WSR 21-22-093, filed 11/2/21, effective 12/3/21. Statutory Authority: RCW 18.43.035.
196-20-030	Fundamentals of engineering examination. [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.] Repealed by WSR 21-22-093, filed 11/2/21, effective 12/3/21. Statutory Authority: RCW 18.43.035.
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 Repealed by WSR 14-07-106, filed 3/19/14, effective 4/19/14.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 Repealed by WSR 82-01-064 (Order 81-10), filed 12/18/81.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 Repealed by Order PL 181, filed 1/28/75.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 and eligibility to take the fundamentals of engineering examination and to apply for an engineer-in-training certificate.

[Statutory Authority: RCW 18.43.035. WSR 21-22-093, § 196-20-005, filed 11/2/21, effective 12/3/21. 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 196-20-007 Fundamentals of engineering exam. 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 should include some or all of 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, physics, statics, and dynamics, etc.) in tasks;

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

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

(f) Executing 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: A baccalaureate in engineering from an ABET accredited program meets the four-year requirement. Other education will be evaluated by the board.

(3) Any qualifying practical engineering experience may be combined with education to meet the four-year requirement as approved by the board.

(4) Approval to take the FE exam cannot be relied upon for approval to take the professional engineer (PE) examination.

[Statutory Authority: RCW 18.43.035. WSR 21-22-093, § 196-20-007, filed 11/2/21, effective 12/3/21.]

WAC 196-20-010 Fundamentals-of-engineering exam registration process.

(1) If you have completed a baccalaureate degree program which is accredited by the accreditation board for engineering and technology (ABET) or have achieved senior standing within that program, you should apply directly to NCEES to take the FE examination.

(2) Applicants with education and/or experience other than an ABET accredited degree should submit their application to the board describing the education and/or experience that would meet the requirements in WAC 196-20-007 and then obtain written approval from the board prior to registering for the FE exam.

(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.

[Statutory Authority: RCW 18.43.035. WSR 21-22-093, § 196-20-010, filed 11/2/21, effective 12/3/21; 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 196-20-045 Obtaining certification as an engineer-in-training in Washington. In order to obtain a certification as an engineer-in-training in Washington, you must pass the FE exam, and submit an application to the board that shows you meet the requirements listed in WAC 196-20-007.

[Statutory Authority: RCW 18.43.035. WSR 21-22-093, § 196-20-045, filed 11/2/21, effective 12/3/21; WSR 14-07-106, § 196-20-045, filed 3/19/14, effective 4/19/14.]