

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.]