

820-010-0225

Educational Qualifications to Take the Fundamentals of Engineering (FE) Examination for Enrollment as an Engineering Intern (EI)

Applicants for admission to examination for enrollment as an EI will be required to submit the following evidence to show eligibility to take the FE examination:

- (1) Official transcripts that document the degree and date awarded, demonstrating completion of an engineering curriculum satisfactory to the Board, as described in **subsection [(3)] (2)** below.
- (2) *[If taking the examination prior to graduation, a statement signed by an official from the school, university or college that all work necessary to obtain a degree in a curriculum satisfactory to the Board has been or will be completed within four months after the first day of the month following the examination as provided in ORS 670.010. For April examinations, the degree must be completed no later than September 1 of that year. For October examinations, the degree must be completed no later than March 1 of the following year. Official transcript(s) that document the degree and date awarded, or an affidavit from the registrar or administrative head of the school, college, or university, which verifies date and completion of the qualifying degree, must also be received within four months after the first day of the month following the examination, as provided in ORS 670.020. Completing the degree and providing satisfactory evidence of completion, within the required time period is necessary for the examination to be considered completed, to release examination scores and to allow enrollment as an EI. When the degree is not completed and the official transcript(s) or affidavit(s) that documents the degree and date awarded is not received within four months after the first day of the month following the examination, the application shall be considered withdrawn. This rule shall apply to applications from the April 2013 examination administration forward.]*

[(3)] For entrance to the FE examination, a curriculum satisfactory to the Board shall include:

- (a) Graduation from an EAC of ABET accredited engineering program;
- (b) Graduation from a TAC of ABET baccalaureate engineering program;
- (c) Graduation from an ACCE accredited four-year baccalaureate construction engineering management program;
- (d) Graduation from a graduate degree program in engineering at a college or university that has an EAC of ABET accredited undergraduate degree program in the same field as the graduate degree program, combined with completion of 21 semester/32 quarter hours of engineering related technical course work. The courses shall include at least six of the following nine subjects: Differential Equations, Physics, Statistics, Statics, Dynamics, Thermodynamics, Fluid Mechanics, Electrical Fundamentals and Strength of Materials.
- (e) Graduation from TAC of ABET accredited two-year Engineering Technology program or graduation from a two-year Associate of Applied Science program in Engineering Technology that includes the following:
 - (A) A total of at least 64 semester/96 quarter hours;
 - (B) At least 32 semester/48 quarter hours in technical courses. (Skills and knowledge of appropriate methods, procedures and techniques; experience in carrying out established engineering procedures);
 - (C) At least 16 semester/24 quarter hours in math and science, including:
 - (i) 4 semester/6 quarter hours in basic science (physics, chemistry, earth and life sciences);
 - (ii) 8 semester/12 quarter hours in mathematics (not including courses below the level of college algebra or courses in computer programming);
 - (D) At least 9 semester/13 quarter hours in social science, humanities and communications; and
 - (E) In addition to the educational requirements set forth in paragraph (e) of subsection (3), graduates from two-year programs shall complete two or more years of engineering work before qualifying to take the FE examination for enrollment as an EI. In the alternative, graduates from two-year programs may complete additional course work consisting of 21 semester/32 quarter hours in Differential

Equations, Physics, Statistics, Statics, Dynamics, Thermodynamics, Fluid Mechanics, Electrical Fundamentals and Strength of Materials.

(f) Completion of a curriculum that the Board finds has adequately prepared the application for enrollment as an EI.

(3) To be eligible to sit for the examination prior to graduation from a baccalaureate engineering program described in subsections (2)(a), (b) or (c) of this rule, a verification statement must be signed by an official from the applicant's school, university or college, verifying the applicant is currently enrolled in the senior year of a qualifying baccalaureate program, and also verifying that if the applicant graduates timely, when the degree from that program will be conferred upon the applicant.

(4) To be eligible to sit for the examination prior to graduation from a baccalaureate engineering program that is not accredited as described in subsections (2)(a), (b) or (c) of this rule, a verification statement must be signed by an official from the applicant's school, university or college, verifying the applicant is currently enrolled in the senior year of a baccalaureate engineering program that includes 21 semester/ 32 quarter hours in at least six of the following nine courses: differential equations; Physics; Statistics; Statics; Dynamics; Thermodynamics; Fluid Mechanics; Electrical Fundamentals; Strength of Materials, and also verifying that if the applicant graduates timely, when the degree from that program will be conferred upon the applicant.

(5) The verification statement required under subsections (3) and (4) of this rule must be submitted in the same packet as the completed application to be considered.

(6) NCEES will be notified of approved applications. The applicant may not schedule with NCEES to sit for the examination unless and until NCEES has been notified of the Board's approval of the application.

(7) An applicant who is admitted to the examination under subsections (3) or (4) of this rule shall, within 10 months of sitting for the exam, provide the Board with an official transcript showing that the degree for which the applicant was approved to sit for the examination has been conferred on the applicant. Failure of the applicant to timely provide the board with an official transcript showing that the degree has been conferred on the applicant vacates any passing score that the applicant achieved on the examination.

Stat. Auth.: ORS 670.310 & 672.255

Stats. Implemented: ORS 672.002 - 672.325

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