

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 (3) 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 following the examination as provided in ORS 670.010. An official transcript that documents the degree and date awarded, verifying completion must be received **within 6 months of taking the examination**, to allow enrollment as an EI. Scores will not be released until the official transcript that documents the degree and date awarded, is received.

(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.

Stat. Auth.: ORS 670.310 & 672.255

Stats. Implemented: ORS 672.002 - 672.325

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