PRINTER'S NO. 2354

THE GENERAL ASSEMBLY OF PENNSYLVANIA

HOUSE BILL

No. 1763 Session of 2019

INTRODUCED BY TOOHIL, BURGOS, MULLERY, KAUFER, NEILSON, JAMES, McCLINTON AND SCHWEYER, AUGUST 30, 2019

REFERRED TO COMMITTEE ON PROFESSIONAL LICENSURE, AUGUST 30, 2019

AN ACT

Amending the act of May 23, 1945 (P.L.913, No.367), entitled "An act relating to and regulating the practice of the profession of engineering, including civil engineering, mechanical engineering, electrical engineering, mining engineering and chemical engineering, the profession of land surveying and the profession of geology and constituent parts and combinations thereof as herein defined; providing for the licensing and registration of persons practicing said profession, and the certification of engineers-in-training and surveyors-in-training, and the suspension and revocation of said licenses, registrations and certifications for violation of this act; prescribing the powers and duties of the State Registration Board for Professional Engineers, Land Surveyors and Geologists, the Department of State and the courts; prescribing penalties; and repealing existing laws," further providing for procedure for licensing as professional engineer.

The General Assembly of the Commonwealth of Pennsylvania hereby enacts as follows:

Section 1. Section 4.2 of the act of May 23, 1945 (P.L.913, No.367), known as the Engineer, Land Surveyor and Geologist Registration Law, is amended to read:

Section 4.2. Procedure for Licensing as Professional Engineer.--(a) An applicant for <u>certification as an engineer-in-training or</u> licensure as a professional engineer shall

[satisfactorily complete the engineering fundamentals examination and become certified as an engineer-in-training and subsequently show evidence of experience satisfactory to the board to prepare him for the engineering principles and practice examination.] satisfy the requirements established under this section.

(b) (1) An applicant for the engineer-in-training certificate shall show satisfactory evidence of the following education and examination requirements:

(i) One of the following:

(A) graduation from an approved engineering curriculum of four or more years; or

[(ii)] (B) eight or more years of progressive experience in engineering work and knowledge, skill and education approximating that attained through graduation from an approved engineering curriculum.

[(2)] (ii) Having passed the engineering fundamentals examination. An engineering student who has completed two or more years of an approved program in engineering may, subject to board approval, sit for the engineering fundamentals examination; but such student shall not be eligible for certification until [he shows proof of graduation.

(3) An applicant who satisfactorily completes the examination in engineering fundamentals shall be certified] the student satisfies subclause (i).

(2) Certification as an engineer-in-training shall be without time limitation, and the individual may remain certified until such time as he becomes licensed under this act as a professional engineer.

(c) An applicant [who is a certified engineer-in-training

may apply for licensure and shall pass the examination in engineering principles and practice. To qualify for the principles and practice examination, an applicant shall, in addition to holding the engineer-in-training certificate, show satisfactory proof of:

(1) four or more years of progressive experience in engineering work performed after the issuance of the engineer-in-training certificate and under the supervision of a professional engineer or a similarly qualified engineer of a grade and character to fit him to assume responsible charge of the work involved in the practice of engineering; or

(2) four or more years of progressive teaching experience in an approved curriculum under the supervision of a professional engineer or a similarly qualified engineer of a grade or character to fit him to assume responsible charge of the work involved in the practice of engineering.] for licensure as a professional engineer shall show satisfactory evidence of the following education, examination and experience requirements:

(1) One of the following:

(i) graduation from an approved engineering curriculum of four or more years; or

(ii) eight or more years of progressive experience in engineering work and knowledge, skill and education approximating education attained through graduation from an approved engineering curriculum.

(2) Having passed the engineering fundamentals examination and the principles and practice of engineering examination. Certification as an engineer-in-training is not required in order to sit for the principles and practice of engineering examination, but an applicant shall not be eligible to sit for

the principles and practice of engineering examination until having passed the fundamentals examination.

(3) One of the following:

(i) four or more years of progressive experience in engineering work performed after satisfying clause (1). The experience shall be under the supervision of a professional engineer or a similarly qualified engineer and be of a grade and character to fit the applicant to assume responsible charge of the work involved in the practice of engineering; or

(ii) four or more years of progressive teaching experience in an approved curriculum. The experience shall be under the supervision of a professional engineer or a similarly qualified engineer and be of a grade and character to fit the applicant to assume responsible charge of the work involved in the practice of engineering.

(d) The board may grant one year of experience credit for each postbaccalaureate engineering degree earned by applicants for licensure, not to exceed two years, provided that:

(1) the degree is from an engineering program approved by the board;

(2) the degree is in the same discipline as an earned undergraduate degree; and

(3) the academic time is not concurrent with earned experience.

Section 2. This act shall take effect in 60 days.