

(c) The title block may contain the initials of the draftsmen or checker, and dates, drawing numbers, revision numbers and such similar incidental items are as customary in practicing engineers' or land surveyors' offices, provided that the name of the person(s) in responsible charge is readily discernible from the other information on the document and contained within the heavy borderline of the title block.

Amended by R.1995 d.474, effective September 5, 1995.  
See: 27 N.J.R. 1748(a), 27 N.J.R. 3370(a).

#### 13:40-1.4 Proposed title block form

Any licensee may submit a proposed form of title block to the State Board of Professional Engineers and Land Surveyors for approval.

#### 13:40-1.5 Title block use for professional engineer and land surveyor work project

In the event the project contains the work of both a professional engineer and land surveyor, any individual licensed in both professions may use the title "professional engineer and land surveyor" which shall be spelled out in one title block.

Amended by R.1995 d.474, effective September 5, 1995.  
See: 27 N.J.R. 1748(a), 27 N.J.R. 3370(a).

#### 13:40-1.6 Subtitle block of independent professional

If a project includes the work of any other licensed professional, not under the immediate supervision of the licensee in responsible charge and not otherwise identified in accordance with N.J.A.C. 13:40-7, a subtitle block of that professional firm or individual must appear on all plans involving that profession.

## SUBCHAPTER 2. APPLICATION REQUIREMENTS

#### 13:40-2.1 Form

All applications must be typewritten and notarized.

#### 13:40-2.2 Deadlines

(a) All applications and supplemental documents must be submitted to the Board office within the prescribed deadlines to be considered for admission to the next regularly scheduled examination. It is the applicant's responsibility to verify the receipt of all documents by the Board office.

(b) Failure to meet prescribed deadlines shall result in the denial of the application and said application will be considered for the next scheduled examination.

Amended by R.1995 d.474, effective September 5, 1995.  
See: 27 N.J.R. 1748(a), 27 N.J.R. 3370(a).

#### 13:40-2.3 Education

(a) Each applicant shall provide the Board with an official transcript reflecting the degree(s) earned by the applicant. Said transcript must be sent directly from the institution to the Board and must include the Board assigned application number of the applicant.

(b) Engineering curriculum shall not be accepted for licensure unless approved by the Board and shall consist of the following minimum requirements:

1. 128 semester hours, 80 of which shall consist of:
  - i. 32 semester hours of a combination of mathematics and basic sciences;
  - ii. 32 semester hours of engineering sciences;
  - iii. 16 semester hours of engineering design.

2. For purposes of conversion, one semester hour equals 1.5 quarter hour credits.

(c) Engineering technology curriculum shall not be accepted for licensure unless approved by the Board and shall consist of the following minimum requirements:

1. 124 semester hours which shall consist of:
  - i. 48 semester hours of technical science courses in the specialty section, for example, mechanics, strength materials, hydraulics, engineering graphics, surveying, soils and foundations, computer technology, engineering materials;
  - ii. 24 semester hours of basic science and mathematics inclusive of the following courses: physics, including the appropriate laboratory exercises; analytical chemistry, including the appropriate laboratory exercises; analytical geometry; applied differential and integral calculus; thermodynamics; and

iii. The balance of hours shall be designed to achieve an integrated and well rounded technology degree, including design sequences in a major technology area appropriate to bachelor degree program needs, that is, electrical, mechanical, construction/civil technology degrees.

(d) Land surveying curriculum shall not be accepted for licensure unless approved by the Board and shall consist of the following minimum requirements:

1. 128 semester hours shall consist of:
  - i. 45 semester hours in surveying and mapping science and practice;
  - ii. The following topics shall be incorporated in the surveying and mapping science requirements: field surveying/data collection, instrumentation and methods, measurement data reduction and data adjustment (least squares), geodesy, geodetic positioning/orientation and Global Positioning System GPS, Geographic Informa-

tion System (GIS), Land Information System (LIS), photogrammetry and remote sensing, map projection and coordinate systems;

iii. The following topics shall be incorporated in the surveying and mapping practice requirements and shall constitute a minimum of 15 of the required 45 semester hours. Of these required 15 semester hours, a minimum of nine semester hours shall be spent on design and field exercises in the above mentioned course materials, legal systems and legal research. A minimum of six semester hours shall be spent on cadastral or boundary surveying;

iv. 24 semester hours of math, statistics and general science; and

v. Nine semester hours of communication (writing and/or speech).

2. For purposes of conversion, one semester hour equals 1.5 quarter hour credits.

(e) An applicant with a non-United States degree who has documented that due to political or economic sanctions he is unable to have the transcript sent directly to the Board must submit his original transcript to the Board office. The applicant must also provide a literal, verbatim English translation, certified to be accurate by a competent authority. In addition, the applicant must list all courses and their description on the Reconstruction Form which is provided by the Board.

(f) Any applicant who has attended an institution not located in the United States shall have his or her degree evaluated by a review service selected and approved by the Board. Reviews by other services will not be accepted.

(g) Transcripts shall be sent directly from the applicant's school and shall contain an official registrar's seal.

Amended by R.1995 d.474, effective September 5, 1995.  
See: 27 N.J.R. 1748(a), 27 N.J.R. 3370(a).

#### Cross References

Exception, see N.J.A.C. 13:40-2.3.

#### 13:40-2.4 Language comprehension requirement

(a) An applicant for licensure as a professional engineer or land surveyor who received his or her undergraduate degree from a non-English speaking country or a country wherein the primary language is other than English, prior to taking the examination shall submit to the Board a TOEFL (Test of English as a Foreign Language) certificate with a minimum score of 575 and a TSE (Test of Spoken English) with a minimum score of 220 or its equivalent. This test shall have been taken within two years of application. An applicant who has received a B.S. from a foreign country wherein the primary language is English shall be exempted from this requirement.

(b) An applicant who is an American citizen at the time of obtaining his or her undergraduate degree from a non-English speaking country, or a country wherein the primary language is other than English shall be exempted from this requirement.

Amended by R.1995 d.474, effective September 5, 1995.  
See: 27 N.J.R. 1748(a), 27 N.J.R. 3370(a).

#### 13:40-2.5 Experience

(a) Pursuant to N.J.S.A. 45:8-35, an applicant for a professional engineering license who is applying to sit for the principles and practices exam must have four years of professional experience acceptable to the Board which shall be gained under the regular and effective supervision of a licensed professional engineer.

1. Two years of said experience shall be gained in the United States; and

2. Two years of said experience shall be original engineering design experience demonstrating increased responsibility over time, that is of a character acceptable to the Board.

(b) An applicant for a land surveying license shall obtain at least three years of experience which shall be original land surveying experience demonstrating increased responsibility over time, that is of a character acceptable to the Board. All experience shall be gained under the regular and effective supervision of a licensed land surveyor.

(c) Experience prior to graduation from a Board approved program will be evaluated by the Board on a case-by-case basis if experience is gained under the regular and effective supervision of a licensed professional engineer or a licensed land surveyor, and if the applicant has passed the appropriate technical courses needed to perform the work experience.

(d) All reference information submitted to the Board shall be legible and placed on forms provided by either the Board or the NCEES in the case of comity applications.

Amended by R.1995 d.474, effective September 5, 1995.  
See: 27 N.J.R. 1748(a), 27 N.J.R. 3370(a).

#### 13:40-2.6 References

(a) The following rules shall apply to all applicants:

1. Reference will not be accepted from relatives of the applicant.

2. No current Board member shall be used as a reference.

3. All reference forms must contain the applicant's Board assigned number.

4. No references over one year old will be accepted.

(b) References shall be provided as follows: