

1800.3505 EDUCATION AND EXPERIENCE.

Subpart 1. **Examination requirements.** An applicant for licensure as a land surveyor is required to pass examinations as provided in this part and parts 1800.3600 to 1800.3750. An applicant for licensure under part 1800.0800, item G, shall satisfy the Minnesota licensing requirements that were in effect at the time of the applicant's original licensure in the other state.

Subp. 2. **Admission to the Fundamentals of Surveying (FS) examination.**

A. To qualify for admission to the FS examination, applicants shall present satisfactory evidence of one of the following:

(1) graduation from a four-year land surveying curriculum in subpart 4 from an accredited institution of higher education or being within 32 semester credits or 48 quarter credits of graduation from the same; or

(2) graduation with a bachelor's degree from an accredited institution of higher education or being within 32 semester credits or 48 quarter credits of obtaining a bachelor's degree, and completion of a minimum of 11 semester credits or 16 quarter credits from the land surveying categories specified in subpart 4, items A to K.

B. An applicant holding a degree from a foreign college or university must have the applicant's education evaluated for equivalency by NCEES Credentials Evaluations and submit the evaluation with the application.

Subp. 3. **Admission to Principles and Practice of Surveying (PS) examination.** To qualify for admission to the PS examination, an applicant shall present evidence of meeting the education and qualifying experience requirements in item A or B.

A. Graduates of a four-year land surveying curriculum must present evidence of:

(1) graduation from a four-year land surveying curriculum;

(2) passage of the Fundamentals of Surveying (FS) examination; and

(3) completion of a minimum of the following qualifying land surveying experience:

(a) a minimum of 160 hours of office experience in plat computations;

(b) a minimum of 160 hours of field experience in each of four or more of the following: section subdivision, boundary surveys, land title surveys, government corner restoration, geodetic surveys, staking subdivisions, and common interest communities totaling 3,120 hours or more;

(c) a minimum of 160 hours of office experience in each of four or more of the following: record research, record analysis, survey computations, description analysis, description writing, and subdivision design totaling 1,920 hours or more;

(d) a minimum of 400 hours of field or office experience in one or a combination of the following: right-of-way surveys; easement surveys; mining surveys; route location surveys, including power, pipelines, etc.; and street grade design and alignment; and

(e) a minimum of 400 hours of drafting experience in one or a combination of the following: boundary survey, topographic survey, and plats.

B. Graduates of a bachelor's curriculum must present evidence of:

(1) graduation from a bachelor's curriculum with a minimum of 22 semester credits or 32 quarter credits in land surveying as specified in subpart 4;

(2) passage of the Fundamentals of Surveying (FS) examination; and

(3) completion of a minimum of the following qualifying land surveying experience:

(a) a minimum of 160 hours of office experience in plat computations;

(b) a minimum of 160 hours of field experience in each of four or more of the following: section subdivision, boundary surveys, land title surveys, government corner restoration, geodetic surveys, staking subdivisions, and common interest communities totaling 4,990 hours or more;

(c) a minimum of 160 hours of office experience in each of four or more of the following: record research, record analysis, survey computations, description analysis, description writing, and subdivision design totaling 3,170 hours or more;

(d) a minimum of 800 hours of field or office experience in one or a combination of the following: right-of-way surveys; easement surveys; mining surveys; route locations surveys, including power, pipelines, etc.; and street grade design and alignment; and

(e) a minimum of 800 hours of drafting experience in one or a combination of the following: boundary survey, topographic survey, and plats.

Qualifying land surveying experience must be obtained under the direct supervision of a licensed land surveyor. As used in items A and B, qualifying work experience consists of varied, progressive, practical experience at land surveying work. The experience must be acquired in the areas of land surveying practice listed in items A and B.

C. An applicant must obtain qualifying land surveying experience under the direct supervision of a licensed land surveyor. As used in items A and B, qualifying work experience consists of varied, progressive, practical experience at land surveying work. An applicant must acquire the experience in the areas of land surveying practice listed in items A and B.

D. Qualifying land surveying experience that an applicant gained before completion of one of the education requirements in item A or B must meet the following conditions:

(1) experience must be obtained under the direct supervision of a licensed land surveyor; and

(2) experience gained before completion of a high school degree or equivalent must receive no credit.

E. A minimum of one year of qualifying experience must be gained after completion of one of the education requirements in item A or B.

F. One year of experience must consist of full- or part-time employment that extends over a period of no less than 12 months and include no fewer than 2,000 hours of performance of land surveying work described in this subpart.

Subp. 4. **Approved land surveying credits.** Curriculum approved by the board must include a minimum of 22 semester or 32 quarter credits in land surveying divided among at least six of the following land surveying categories:

- A. cartography/Geographic Information Systems (GIS);
- B. geodesy/geodetic surveys;
- C. riparian boundaries or riparian rights;
- D. boundary law;
- E. route surveying or construction surveying;
- F. drafting/CAD;
- G. Cadastral surveying or Public Land Survey System and section subdivision;
- H. photogrammetry or remote sensing;
- I. boundary surveying;
- J. topographic surveying; and
- K. subdivision plats.

Statutory Authority: *MS s 197.4552; 326.06*

History: *27 SR 584; 33 SR 429; 38 SR 59; 40 SR 431; 43 SR 89; 44 SR 987; 48 SR 505*

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