

CHAPTER 3800

BOARD OF ELECTRICITY

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3800.1001 MINIMUM EXPERIENCE REQUIREMENTS FOR LICENSURE; EXPERIENCE ACCEPTABLE TO THE BOARD.

An applicant for a license in the classes in part 3800.1002 shall have experience acceptable to the board to qualify to take the applicable examination for licensure under Minnesota Statutes, section 326.242, subdivisions 1, 2, and 3. "Experience acceptable to the board" means the applicant shall have at least the stated minimum number of months' experience for each category of work specified in part 3800.1002 and shall receive credit for no more than the stated maximum number of months for each category of work specified. The type of experience acceptable in each class of license in part 3800.1002 is the wiring within or on buildings or other structures or premises, except in the process of manufacturing.

Electrical experience is not acceptable to the board if gained by an applicant prior to age 12. The maximum experience allowance is six months for experience gained by an applicant prior to age 16.

Not more than one year of experience credit toward a license is acceptable to the board for electrical experience gained in the military service.

Not more than one year of experience credit toward a license is acceptable to the board for electrical experience gained in foreign countries.

Practical experience is not acceptable to the board if acquired during the school term of a board-approved post high school electrical course.

Statutory Authority: *MS s 326.241 subd 6; 326.242; 326.247*

History: *8 SR 1228*

3800.1002 SCHEDULE OF MINIMUM EXPERIENCE REQUIREMENTS FOR LICENSE APPLICANTS AND MAXIMUM CREDIT ALLOWANCES IN MONTHS.

Subpart 1. **Class A master electrician (60 months required).** The board requires that an applicant for a class A master electrician license has the following minimum experience in months, and may receive up to the following maximum credit allowance for each of the following types of experience:

A. planning for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of two months, maximum credit allowance of 12 months;

B. laying out for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of two months, maximum credit allowance of 12 months;

C. supervising the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of two months, maximum credit allowance of 12 months;

D. wiring for and installing electrical wiring, apparatus, and equipment: minimum experience of 12 months, maximum credit allowance of 48 months;

E. maintaining and repairing electrical wiring, apparatus, and equipment: minimum experience of zero months, maximum credit allowance of 24 months;

F. line work: minimum experience of zero months, maximum credit allowance of three months;

G. installing elevators: minimum experience of zero months, maximum credit allowance of six months;

H. laying out and installing wiring, apparatus, and equipment for home appliances: minimum experience of zero months, maximum credit allowance of three months,

I. wiring and maintaining electronic controls. minimum experience of zero months, maximum credit allowance of three months.

Subp. 2. **Class A journeyman electrician (48 months required).** The board requires that an applicant for a class A journeyman electrician license has the following minimum experience in months, and may receive up to the following maximum credit allowance for each of the following types of experience:

A. planning for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

B. laying out for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

C. supervising the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

D. wiring for and installing electrical wiring, apparatus, and equipment: minimum experience of 24 months, maximum credit allowance of 48 months;

E. maintaining and repairing electrical wiring, apparatus, and equipment: minimum experience of one month, maximum credit allowance of 24 months;

F. line work: minimum experience of zero months, maximum credit allowance of three months;

G. installing elevators: minimum experience of zero months, maximum credit allowance of six months;

H. laying out and installing wiring, apparatus, and equipment for home appliances: minimum experience of zero months, maximum credit allowance of three months;

I. wiring and maintaining electronic controls: minimum experience of zero months, maximum credit allowance of three months.

Subp. 3. **Master elevator constructor (60 months required).** The board requires that an applicant for a master elevator constructor license has the following minimum experience in months, and may receive up to the following maximum credit allowance for each of the following types of experience:

A. planning for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of 12 months;

B. laying out for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of 12 months;

C supervising the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of 12 months;

D. wiring for and installing electrical wiring, apparatus, and equipment: minimum experience of zero months, maximum credit allowance of 48 months;

E. maintaining and repairing electrical wiring, apparatus, and equipment: minimum experience of zero months, maximum credit allowance of 24 months;

F. line work: minimum experience of zero months, maximum credit allowance of three months;

G. installing elevators: minimum experience of 24 months, maximum credit allowance of 60 months;

H. laying out and installing wiring, apparatus, and equipment for home appliances: minimum experience of zero months, maximum credit allowance of three months;

I. wiring and maintaining electronic controls: minimum experience of zero months, maximum credit allowance of three months.

Subp. 4. **Elevator constructor (36 months required).** The board requires that an applicant for an elevator constructor license has the following minimum experience in months, and may receive up to the following maximum credit allowance for each of the following types of experience:

A. planning for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

B. laying out for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

C supervising the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

D. wiring for and installing electrical wiring, apparatus, and equipment: minimum experience of zero months, maximum credit allowance of 36 months;

E. maintaining and repairing electrical wiring, apparatus, and equipment: minimum experience of zero months, maximum credit allowance of 12 months;

F. line work: minimum experience of zero months, maximum credit allowance of three months;

G. installing elevators: minimum experience of 12 months, maximum credit allowance of 36 months;

H. laying out and installing wiring, apparatus, and equipment for home appliances: minimum experience of zero months, maximum credit allowance of three months;

I. wiring and maintaining electronic controls: minimum experience of zero months, maximum credit allowance of three months.

Subp. 5 **Maintenance electrician (48 months required).** The board requires that an applicant for a maintenance electrician license has the following minimum experience in months, and may receive up to the following maximum credit allowance for each of the following types of experience:

A. planning for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

B. laying out for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

C. supervising the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

D. wiring for and installing electrical wiring, apparatus, and equipment: minimum experience of zero months, maximum credit allowance of 24 months;

E. maintaining and repairing electrical wiring, apparatus, and equipment: minimum experience of 24 months, maximum credit allowance of 48 months;

F. line work: minimum experience of zero months, maximum credit allowance of three months;

G. installing elevators: minimum experience of zero months, maximum credit allowance of six months;

H. laying out and installing wiring, apparatus, and equipment for home appliances: minimum experience of zero months, maximum credit allowance of three months;

I. wiring and maintaining electronic controls: minimum experience of zero months, maximum credit allowance of three months.

Subp. 6. **Lineman (48 months required)**. The board requires that an applicant for a lineman license has the following minimum experience in months, and may receive up to the following maximum credit allowance for each of the following types of experience:

A. planning for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

B. laying out for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

C. supervising the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

D. wiring for and installing electrical wiring, apparatus, and equipment: minimum experience of zero months, maximum credit allowance of 12 months;

E. maintaining and repairing electrical wiring, apparatus, and equipment: minimum experience of zero months, maximum credit allowance of 12 months;

F. line work: minimum experience of 24 months, maximum credit allowance of 48 months;

G. installing elevators: minimum experience of zero months, maximum credit allowance of three months;

H. laying out and installing wiring, apparatus, and equipment for home appliances: minimum experience of zero months, maximum credit allowance of three months;

I. wiring and maintaining electronic controls: minimum experience of zero months, maximum credit allowance of three months.

Subp. 7. **Class B master electrician (36 months required)**. The board requires that an applicant for a class B master electrician license has the following minimum experience in months, and may receive up to the following maximum credit allowance for each of the following types of experience:

A. planning for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of one month, maximum credit allowance of four months;

B. laying out for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of one month, maximum credit allowance of four months;

C. supervising the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of one month, maximum credit allowance of four months;

D. wiring for and installing electrical wiring, apparatus, and equipment: minimum experience of 12 months, maximum credit allowance of 33 months;

E. maintaining and repairing electrical wiring, apparatus, and equipment: minimum experience of one month, maximum credit allowance of 12 months;

F. line work: minimum experience of zero months, maximum credit allowance of three months;

G. installing elevators: minimum experience of zero months, maximum credit allowance of three months;

H. laying out and installing wiring, apparatus, and equipment for home appliances: minimum experience of zero months, maximum credit allowance of three months;

I. wiring and maintaining electronic controls: minimum experience of zero months, maximum credit allowance of three months.

Subp. 8. **Class B journeyman electrician (24 months required).** The board requires that an applicant for a class B journeyman electrician license has the following minimum experience in months, and may receive up to the following maximum credit allowance for each of the following types of experience:

A. planning for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

B. laying out for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

C. supervising the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

D. wiring for and installing electrical wiring, apparatus, and equipment: minimum experience of 12 months, maximum credit allowance of 24 months;

E. maintaining and repairing electrical wiring, apparatus, and equipment: minimum experience of one month, maximum credit allowance of 12 months;

F. line work: minimum experience of zero months, maximum credit allowance of three months;

G. installing elevators: minimum experience of zero months, maximum credit allowance of three months;

H. laying out and installing wiring, apparatus, and equipment for home appliances: minimum experience of zero months, maximum credit allowance of three months;

I. wiring and maintaining electronic controls: minimum experience of zero months, maximum credit allowance of three months.

Subp 9. **Class A installer (12 months required).** The board requires that an applicant for a class A installer license has the following minimum experience in months, and may receive up to the following maximum credit allowance for each of the following types of experience

A. planning for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

B. laying out for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

C. supervising the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

D. wiring for and installing electrical wiring, apparatus, and equipment: minimum experience of zero months, maximum credit allowance of 12 months;

E. maintaining and repairing electrical wiring, apparatus, and equipment: minimum experience of zero months, maximum credit allowance of six months;

F. line work: minimum experience of zero months, maximum credit allowance of three months;

G. installing elevators: minimum experience of zero months, maximum credit allowance of three months;

H. laying out and installing wiring, apparatus, and equipment for home appliances: minimum experience of zero months, maximum credit allowance of 12 months;

I. wiring and maintaining electronic controls: minimum experience of zero months, maximum credit allowance of three months.

Subp 10. **Class B installer (12 months required).** The board requires that an applicant for a class B installer license has the following minimum experience in months, and may receive up to the following maximum credit allowance for each of the following types of experience:

A. planning for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

B. laying out for the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

C. supervising the installation of wiring, apparatus, and equipment for light, heat, and power: minimum experience of zero months, maximum credit allowance of zero months;

D. wiring for and installing electrical wiring, apparatus, and equipment: minimum experience of zero months, maximum credit allowance of 12 months;

E. maintaining and repairing electrical wiring, apparatus, and equipment: minimum experience of zero months, maximum credit allowance of six months;

F. line work: minimum experience of zero months, maximum credit allowance of three months;

G. installing elevators: minimum experience of zero months, maximum credit allowance of three months;

H. laying out and installing wiring, apparatus, and equipment for home appliances: minimum experience of zero months, maximum credit allowance of three months;

I. wiring and maintaining electronic controls: minimum experience of zero months, maximum credit allowance of three months.

Statutory Authority: *MS s 326.241 subd 6; 326.242; 326.247*

History: *8 SR 1228*

3800.1003 EXPERIENCE ACCEPTABLE TO THE BOARD FOR CERTAIN CATEGORIES IN CERTAIN SITUATIONS.

Experience in the categories of planning for the installation of wiring, apparatus, and equipment for light, heat, and power; laying out for the installation of wiring, apparatus, and equipment for light, heat, and power; supervising the installation of wiring, apparatus, and equipment for light, heat, and power, and wiring and installing electrical wiring, apparatus, and equipment for light, heat, and power is acceptable to the board in the following situations:

A. Experience while in the employ of an electrical contractor licensed under Minnesota Statutes, section 326.242, subdivision 6.

B. Experience while working in Minnesota for an employer who is not required to be licensed as an electrical contractor, if the work is inspected under Minnesota Statutes, section 326.244.

C. Experience while performing electrical work in Minnesota for an employer who is exempt from licensing when the work is exempt from inspection, under Minnesota Statutes, section 326.244, or when the work is performed on federal property by a federal employee, provided that the board has determined in either situation that the experience is substantially equal to that acquired in performing work while in the employ of a licensed electrical contractor. The board shall make this determination after a personal inspection on the premises where the applicable work was performed, by not less than two board members and one staff employee of the board.

D. Experience while performing electrical work outside the state of Minnesota, which the board has determined is substantially equivalent to the work performed while in the employ of a licensed electrical contractor in the state of Minnesota. This determination must be based on a certification by the employer of the type of work performed.

"Graduate of a four-year electrical course" as used in Minnesota Statutes, section 326.242, subdivision 1, clause (1) (a) means that the applicant has received a Bachelor of Electrical Engineering Degree from an accredited university or college.

For the purposes of this part, "maintaining and repairing electrical wiring, apparatus, and equipment" means that type of electrical work that part 3800.0200 permits a licensed maintenance electrician to perform. This work includes only trouble-shooting, replacement, or repair of existing electrical wiring, apparatus, and equipment. It does not include the installation of new wiring, apparatus, and equipment or additions, alterations, or extensions to existing wiring, apparatus, or equipment.

Statutory Authority: *MS s 326.241 subd 6; 326.242; 326.247*

History: *8 SR 1228*

3800.1004 MASTER ELEVATOR CONSTRUCTOR.

Subpart 1. **Definition.** "Master elevator constructor" means a person who has the necessary qualifications, training, experience, and technical knowledge to properly plan, lay out, and supervise the installation of wiring, apparatus, and equipment for elevators and escalators, and who is licensed as such by the State Board of Electricity.

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Subp. 2. **Permitted work.** A person licensed as a master elevator constructor, may, as a licensed electrical contractor or in the employ of an electrical contractor, plan, lay out, supervise and install, maintain, and repair wiring, apparatus, and equipment for elevators and escalators.

Subp. 3. **Acceptable experience.** An applicant for a master elevator constructor license shall have the experience indicated in part 3800.1002, subpart 3.

Statutory Authority: *MS s 326.241 subd 6; 326.242; 326.247*

History: *8 SR 1228*

3800.1005 ELEVATOR CONSTRUCTOR.

Subpart 1. **Definition.** "Elevator constructor" means a person who has the necessary qualifications, training, experience, and technical knowledge to wire for, install, and repair electrical wiring, apparatus, and equipment for elevators and escalators and who is licensed as such by the State Board of Electricity.

Subp. 2. **Permitted work.** A person licensed as an elevator constructor may install, maintain, and repair electrical wiring, apparatus, and equipment for elevators and escalators while in the employ of an electrical contractor.

Subp. 3. **Acceptable experience.** An applicant for an elevator constructor license shall have the experience required in part 3800.1002, subpart 4.

Statutory Authority: *MS s 326.241 subd 6; 326.242; 326.247*

History: *8 SR 1228*

3800.1006 LINEMAN.

Subpart 1. **Definition.** "Lineman" means a person who has the necessary qualifications, training, experience, and technical knowledge to construct and maintain transmission and distribution systems of the electric utility from the power source to and including the substation and the distribution system to the consumer (commercial and residential), and who is licensed as such by the State Board of Electricity.

Subp. 2. **Permitted work.** A person licensed as a lineman may install, maintain, and repair transmission and distribution systems of the electric utility from the power source to and including the substation, and the distribution system to the consumer.

Subp. 3. **Acceptable experience.** An applicant for a lineman license shall have the experience required in part 3800.1002, subpart 6.

Statutory Authority: *MS s 326.241 subd 6; 326.242; 326.247*

History: *8 SR 1228*