

4 MCAR 11

1 Department of Administration

2 Board of Electricity

3

4 Adopted Rule of the State Board of Electricity Governing

5 Experience Requirements for License Applicants and License

6 Definitions

7

8 Rules as Adopted

9 4 MCAR S 11.033 Minimum experience requirements for licensure;  
10 experience acceptable to the board.

11 An applicant for a license in the classes in 4 MCAR S  
12 11.034 shall have experience acceptable to the board to qualify  
13 to take the applicable examination for licensure under Minnesota  
14 Statutes, section 326.242, subdivisions 1, 2, and 3.

15 "Experience acceptable to the board" means the applicant shall  
16 have at least the stated minimum number of months experience for  
17 each category of work specified in 4 MCAR S 11.034 and shall  
18 receive credit for no more than the stated maximum number of  
19 months for each category of work specified. The types of  
20 experience acceptable in each class of license in 4 MCAR S  
21 11.034 is the wiring within or on buildings or other structures  
22 or premises, except in the process of manufacturing.

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

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

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

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

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1 4 MCAR S 11.034 Schedule of minimum experience requirements for  
2 license applicants and maximum credit allowances in months.

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

8 1. planning for the installation of wiring, apparatus,  
9 and equipment for light, heat, and power: Minimum experience of  
10 two months, maximum credit allowance of 12 months;

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

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

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

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

23 6. line work: minimum experience of zero months, maximum  
24 credit allowance of three months;

25 7. installing elevators: minimum experience of zero  
26 months, maximum credit allowance of six months;

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

30 9. wiring and maintaining electronic controls: minimum  
31 experience of zero months, maximum credit allowance of three  
32 months.

33 B. Class A journeyman electrician (48 months required). The  
34 board requires that an applicant for a class A journeyman  
35 electrician license has the following minimum experience in  
36 months, and may receive up to the following maximum credit

1 allowance for each of the following types of experience:

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

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

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

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

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

17 6. line work: minimum experience of zero months, maximum  
18 credit allowance of three months;

19 7. installing elevators: minimum experience of zero  
20 months, maximum credit allowance of six months;

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

24 9. wiring and maintaining electronic controls: minimum  
25 experience of zero months, maximum credit allowance of three  
26 months.

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

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

35 2. laying out for the installation of wiring, apparatus,  
36 and equipment for light, heat, and power: minimum experience of

1 zero months, maximum credit allowance of 12 months;

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

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

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

11 6. line work: minimum experience of zero months, maximum  
12 credit allowance of three months;

13 7. installing elevators: minimum experience of 24  
14 months, maximum credit allowance of 60 months;

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

18 9. wiring and maintaining electronic controls: minimum  
19 experience of zero months, maximum credit allowance of three  
20 months.

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

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

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

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

35 4. wiring for and installing electrical wiring,  
36 apparatus, and equipment: minimum experience of zero months,

1 maximum credit allowance of 36 months;

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

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

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

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

12 9. wiring and maintaining electronic controls: minimum  
13 experience of zero months, maximum credit allowance of three  
14 months.

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

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

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

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

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

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

35 6. line work: minimum experience of zero months, maximum  
36 credit allowance of three months;

1           7. installing elevators: minimum experience of zero  
2 months, maximum credit allowance of six months;

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

6           9. wiring and maintaining electronic controls: minimum  
7 experience of zero months, maximum credit allowance of three  
8 months.

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

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

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

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

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

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

29           6. line work: minimum experience of 24 months, maximum  
30 credit allowance of 48 months;

31           7. installing elevators: minimum experience of zero  
32 months, maximum credit allowance of three months;

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

36           9. wiring and maintaining electronic controls: minimum

1 experience of zero months, maximum credit allowance of three  
2 months.

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

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

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

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

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

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

23 6. line work: minimum experience of zero months, maximum  
24 credit allowance of three months;

25 7. installing elevators: minimum experience of zero  
26 months, maximum credit allowance of three months;

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

30 9. wiring and maintaining electronic controls: minimum  
31 experience of zero months, maximum credit allowance of three  
32 months.

33 H. Class B journeyman electrician (24 months required). The  
34 board requires that an applicant for a class B journeyman  
35 electrician license has the following minimum experience in  
36 months, and may receive up to the following maximum credit

1 allowance for each of the following types of experience:

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

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

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

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

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

17 6. line work: minimum experience of zero months, maximum  
18 credit allowance of three months;

19 7. installing elevators: minimum experience of zero  
20 months, maximum credit allowance of three months;

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

24 9. wiring and maintaining electronic controls: minimum  
25 experience of zero months, maximum credit allowance of three  
26 months.

27 I. Class A installer (12 months required). The board  
28 requires that an applicant for a class A installer license has  
29 the following minimum experience in months, and may receive up  
30 to the following maximum credit allowance for each of the  
31 following types of experience:

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

35 2. laying out for the installation of wiring, apparatus,  
36 and equipment for light, heat, and power: minimum experience of



1 zero months, maximum credit allowance of zero months;

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

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

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

11 6. line work: minimum experience of zero months, maximum  
12 credit allowance of three months;

13 7. installing elevators: minimum experience of zero  
14 months, maximum credit allowance of three months;

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

18 9. wiring and maintaining electronic controls: minimum  
19 experience of zero months, maximum credit allowance of three  
20 months.

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

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

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

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

35 4. wiring for and installing electrical wiring,  
36 apparatus, and equipment: minimum experience of zero months,

1 maximum credit allowance of 12 months;

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

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

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

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

12 9. wiring and maintaining electronic controls: minimum  
13 experience of zero months, maximum credit allowance of three  
14 months.

15 4 MCAR S 11.035 Experience acceptable to the board for certain  
16 categories in certain situations.

17 Experience in the categories of planning for the  
18 installation of wiring, apparatus, and equipment for light,  
19 heat, and power; laying out for the installation of wiring,  
20 apparatus, and equipment for light, heat, and power; supervising  
21 the installation of wiring, apparatus, and equipment for light,  
22 heat, and power; and wiring and installing electrical wiring,  
23 apparatus, and equipment for light, heat, and power is  
24 acceptable to the board in the following situations:

25 1. Experience while in the employ of an electrical  
26 contractor licensed under Minnesota Statutes, section 326.242,  
27 subdivision 6;

28 2. Experience while working in Minnesota for an employer  
29 who is not required to be licensed as an electrical contractor,  
30 if the work is inspected under Minnesota Statutes, section  
31 326.244;

32 3. Experience while performing electrical work in  
33 Minnesota for an employer who is exempt from licensing when the  
34 work is exempt from inspection, under Minnesota Statutes,  
35 section 326.244, or when the work is performed on federal  
36 property by a federal employee, provided that the board has

1 determined in either situation that the experience is  
2 substantially equal to that acquired in performing work while in  
3 the employ of a licensed electrical contractor. The board shall  
4 make this determination after a personal inspection on the  
5 premises where the applicable work was performed, by not less  
6 than two board members and one staff employee of the board.

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

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

18 For the purposes of this rule, "maintaining and repairing  
19 electrical wiring, apparatus, and equipment" means that type of  
20 electrical work that board rule Elec-29 (b) permits a licensed  
21 maintenance electrician to perform. This work includes only  
22 trouble-shooting, replacement, or repair of existing electrical  
23 wiring, apparatus, and equipment. It does not include the  
24 installation of new wiring, apparatus, and equipment or  
25 additions, alterations, or extensions to existing wiring,  
26 apparatus, or equipment.

27 4 MCAR S 11.036 Master elevator constructor.

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

34 B. Permitted work. A person licensed as a master elevator  
35 constructor, may, as a licensed electrical contractor or in the  
36 employ of an electrical contractor, plan, lay out, supervise and

1 install, maintain, and repair wiring, apparatus, and equipment  
2 for elevators and escalators.

3 C. Acceptable experience. An applicant for a master  
4 elevator constructor license shall have the experience indicated  
5 in 4 MCAR S 11.034 C.

6 4 MCAR S 11.037 Elevator constructor.

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

12 B. Permitted work. A person licensed as an elevator  
13 constructor may install, maintain, and repair electrical wiring,  
14 apparatus, and equipment for elevators and escalators while in  
15 the employ of an electrical contractor.

16 C. Acceptable experience. An applicant for an elevator  
17 constructor license shall have the experience required in 4 MCAR  
18 S 11.034 D.

19 4 MCAR S 11.038 Lineman.

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

27 B. Permitted work. A person licensed as a lineman may  
28 install, maintain, and repair transmission and distribution  
29 systems of the electric utility from the power source to and  
30 including the substation, and the distribution system to the  
31 consumer.

32 C. Acceptable experience. An applicant for a lineman  
33 license shall have the experience required in 4 MCAR S 11.034 F.