

Limited Specialized Trade Electrician's Exam Syllabus – Elevator

ITS CS Guide 04

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Inspection and Technical Services (ITS) administers 2 different exams for the **Elevator (M-A)** Licence which give the individual authority to conduct electrical work within their trade. The second exam was created to harmonize with other jurisdictions across Canada that offer a licence for individuals that work on *CSA- B355 Platform lifts and stair lifts for barrier-free access only*.

The following pages provide the syllabus for each exam option:

Option 1: Allows individuals to conduct electrical work from the electrical disconnect, to any elevating device as define in the *Elevator Act*.

Option 2: Allows Individuals to conduct electrical work from the electrical disconnect, to *CSA- B355 Platform lifts and stair lifts for barrier-free access only*.

To apply for an exam please provide the following to ITSTrades@gov.mb.ca

- [ITS ED Form 05 - Application for Limited Special Trade Electrical Exam](#)
- [ITS CS Form 08 - Employer Verification of Experience](#)

Option 1: The Limited Specialized Trade Electrician's Elevator Exam may test your knowledge in the following areas:

There are 75 multiple choice questions on the Limited Specialized Trade Electrician's Elevator Exam. You will have 3.5 hours to complete the exam. The pass mark is 70%.

The Limited Specialized Trade Electrician's Elevator Exam may test your knowledge in the following areas:

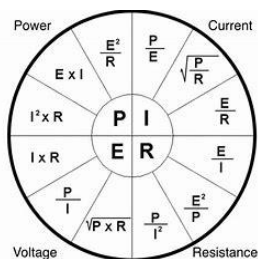
- C 22.1 – 2018 Canadian Electrical Code: Sections 0, 2, 4, 8, 10, 12, 14, 16, 18, 26, 28, 30 and 38
- CSA B44 Safety Code for Elevators and Escalators (2007 edition): Sections 2, 3, 4, 5 and 6
- CSA B355 Lifts for Persons with Physical Disabilities (2009 edition): Sections 4, 5 and 8
- Manitoba Workplace Safety and Health Regulation (2015 edition): Sections 6, 13, 14, 16 and 38
- Electrical Theory (as referenced from Delmar's Standard Textbook of Electricity, 7th Edition):
 - Ohm's Law Calculations (formula will be provided at the exam)
 - Series/Parallel Circuits
 - Electrical Measuring Terms
 - D.C. and A.C. Electrical Fundamentals
 - Electrical Measuring Instruments
 - D.C. and A.C. Machines

To write this exam you are required to bring a non-programmable calculator, pencil (HB or #2 only) and the following reference materials (no electronic versions will be allowed):

- CSA B44 Safety Code for Elevators and Escalators (2007 edition)
- CSA B355 Lifts for Persons with Physical Disabilities (2009 edition)

You will be supplied with the following reference materials on the day of the exam:

- C 22.1 – 2018 Canadian Electrical Code
- Manitoba Workplace Safety and Health Regulation (2015 edition)



Option 2: Limited Specialized Trade Electrician's Barrier Free Access Lifts Exam Syllabus

There are 50 multiple choice questions on the Limited Specialized Trade Electrician's Barrier Free Access Lifts Exam. You will have 3.5 hours to complete the exam. The pass mark is 70%.

The Limited Specialized Trade Electrician's Barrier Free Access Lifts Exam will test your knowledge in the following areas:

- C 22.1 – 2018 Canadian Electrical Code: Sections 0, 2, 4, 8, 10, 12, 26, 28, 30 and 38
- CSA B355 Lifts for Persons with Physical Disabilities (2009 edition): Sections 1, 4, 5, 6 and 8
- Manitoba Workplace Safety and Health Regulation (2015 edition): Sections 6, 13, 14, 16 and 38
- Electrical Theory (as referenced from Delmar's Standard Textbook of Electricity, 7th Edition):
 - Ohm's Law Calculations (formula will be provided at the exam)
 - Series / Parallel Circuits
 - Electrical Measuring Terms
 - D.C. & A.C. Electrical Fundamentals
 - Electrical Measuring Instruments

To write this exam you are required to bring a non-programmable calculator, pencil (HB or #2 only) and the following reference materials (no electronic versions will be allowed):

- CSA B355 Lifts for Persons with Physical Disabilities (2009 edition)

You will be supplied with the following reference materials on the day of the exam:

- C 22.1 – 2018 Canadian Electrical Code
- Manitoba Workplace Safety and Health Regulation (2015 edition)

