



GASFITTER CLASS B

2018

Implement in January 2018 (pg. 1 for Program Structure)



Program Structure – Nova Scotia Apprenticeship Program

The courses listed below are required technical training in the Nova Scotia Apprenticeship Program.

Nova Scotia Course No.	Nova Scotia Course Name	CSA Modules	
		No.	Title
Level 1 Online Courses (9 courses)			
MENT-1801	Workplace Mentoring I (NS Specific) - see pg. 2	N/A	N/A
GFBA-1810	Safety, Policies and Regulations	GFB-100	Safety
		GFB-105	Properties, Characteristics and Safe Handling of Fuel Gases
		GFB-110	Utilization Codes, Acts and Regulations
		GFB-110	Customer Relations
GFBA-1811	Tools, Equipment, Technical Manuals, Specifications and Drawings	GFB-120	Fasteners, Hand Tools and Testing Instruments
		GFB-125	Technical Manuals, Specifications, Schematics, Drawings and Graphics
GFBA-1812	Introduction to Electricity and Controls	GFB-130	Introduction to Electricity
		GFB-135	Controls: Fundamentals
GFBA-1813	Introduction to Gas Appliances	GFB-140	Introduction to Gas Appliances
GFBA-1814	Gas Appliances	GFB-145	Domestic Appliances
		GFB-150	Gas-fired Refrigerators
		GFB-155	Space Heaters
GFBA-1815	Introduction to Piping and Tubing Systems	GFB-160	Introduction to Piping and Tubing Systems
GFBA-1816	Building Science and Air Handling	GFB-165	The Building as a System
		GFB-170	Air-handling
GFBA-1817	Forced Air Systems	GFB-175	Conversion Burners
		GFB-180	Forced Warm-Air Heating Systems
		GFB-185	Forced Air Add-on Devices
GFBA-1818	Hydronic and Domestic Water Heat	GFB-190	Water Heaters and Combination Systems
		GFB-195	Hydronic Heating Systems
Level 2 In-class (6 weeks)			
MENT-1802	Workplace Mentoring II (NS Specific) - see pg. 3	N/A	N/A
GFBA-1819	Safety, Job Planning, Lifting, Rigging and Hoisting	GFB-200	Safety, Job Planning, Lifting, Rigging and Hoisting
GFBA-1820	Piping and Tubing Systems (2-week course)	GFB-205	Piping and Tubing Systems for Industrial and Commercial Applications
		GFB-210	Pressure Regulators, Overpressure Protection, Meters and Fuel Containers
		GFB-215	Tools, Equipment and Piping Lab
GFBA-1821	Venting	GFB-220	Venting Practices
GFBA-1822	Basic Electricity and Controls	GFB-225	Basic Electricity for Gas-fired Equipment
		GFB-230	Controls: Fundamentals
		GFB-235	Electrical and Controls Lab
GFBA-1823	Program Review (Class B)	GFB-240	Program Review

MENT-1801 Workplace Mentoring I

(Nova Scotia Unit of Instruction)

Learning Outcomes:

- Identify and explain strategies for learning workplace skills.
- Demonstrate strategies to assist in learning skills in the workplace.

Objectives and Content:

Theoretical Objectives

1. Describe the importance of your own experiences.
2. Identify the partners involved in apprenticeship.
3. Describe the shared responsibilities for workplace learning.
4. Determine your own learning preferences and explain how these relate to learning new skills.
5. Describe the importance of different types of skills in the workplace.
6. Describe the importance of essential skills in the trade.
7. Identify different ways of learning.
8. Identify your learning preferences.
9. Identify different learning needs and strategies to meet learning needs.
10. Identify techniques for effective communication.
11. Identify strategies to assist in learning a skill.

Learning Outcomes:

- Identify and explain strategies for teaching workplace skills.
- Demonstrate strategies to assist in teaching skills in the workplace

Objectives and Content:*Theoretical Objectives*

1. Describe the impact of your own experiences in teaching skills.
2. Identify the different roles played by a workplace mentor.
3. Describe the six-step approach to teaching skills.
4. Explain the importance of identifying the point of the lesson.
5. Identify how to choose a good time to present a lesson.
6. Explain the importance of linking the lessons.
7. Identify the components of the skill (the context).
8. Describe considerations for demonstrating a skill.
9. Identify types of skill practice.
10. Describe considerations in setting up opportunities for skill practice.
11. Explain the importance of providing feedback.
12. Identify techniques for giving effective feedback.
13. Describe a skill assessment.
14. Identify methods of assessing progress.
15. Explain how to adjust a lesson to different situations.