

# **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.

| Course No.   Course Name   No.   Title                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Nova Scotia                        | Nova Scotia                                      |         | CSA Modules                                       |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------|--------------------------------------------------|---------|---------------------------------------------------|--|
| MENT-1801   Workplace Mentoring I (NS Specific) - see pg. 2   N/A   S74   Safety   Safety   Safety   Froperties, Characteristics and Safe Handling of Fuel Gases   GFB-101   Regulations   GFB-102   Regulations   GFB-110   Customer Relations   GFB-110   Customer Relations   GFB-110   Customer Relations   GFB-120   Safety   GFB-130   Introduction to Electricity and Controls   GFB-125   Specifications, Schematics, Drawings and Graphics   GFB-130   Introduction to Electricity and Controls   GFB-130   Introduction to Electricity and Controls   GFB-130   Introduction to Gas Appliances   GFB-140   GFB-130   Introduction to Gas Appliances   GFB-140   Introduction to Gas Appliances   GFB-140   Introduction to Gas Appliances   GFB-140   Introduction to Gas Appliances   GFB-150   Gas-fired Refrigerators   GFB-160   Tutoduction to Piping and Tubing Systems   GFB-160   Tutoduction to Piping and Tubing Systems   GFB-160   GFB-161   Tutoduction to Piping and Tubing Systems   GFB-161   GFB-175   GFB-17   | Course No.                         | Course Name                                      | No.     | Title                                             |  |
| GFB-1101 Safety, Policies and Regulations  GFB-101 GFB-102 Safety Properties, Characteristics and Safe Handling of Fuel Gases GFB-110 Customer Relations GFB-110 Customer Relations GFB-111 Tools, Equipment, Technical Manuals, Specifications and Drawings GFB-125 GFB-125 GFB-130 GFB-130 Introduction to Electricity and Controls GFB-130 GFB-130 GFB-130 GFB-130 Introduction to Electricity and Controls GFB-131 GFB-135 GFB-135 GFB-136 GFB-136 GFB-137 GFB-137 GFB-138 GFB-138 GFB-138 GFB-138 GFB-138 GFB-140 Introduction to Gas Appliances GFB-151 GFB-152 GFB-161 GFB-162 GFB-163 GFB-163 GFB-164 GFB-165 GFB-165 GFB-166 GFB-167 GFB-167 GFB-168 GFB-168 GFB-169 GFB-169 GFB-169 GFB-169 GFB-169 GFB-170  | Level 1 Online Courses (9 courses) |                                                  |         |                                                   |  |
| GFB-1810 Safety, Policies and Regulations GFB-100 GFB-110 Ulization Codes, Acts and Regulations GFB-120 Fasteners, Hand Tools and Testing Instruments GFB-125 Forcincial Manuals, Specifications and Drawings GFB-130 Introduction to Electricity and Controls GFB-130 Introduction to Gas Appliances GFB-1310 Introduction to Gas Appliances GFB-145 Domestic Appliances GFB-146 Domestic Appliances GFB-147 Domestic Appliances GFB-148 Domestic Appliances GFB-149 Untroduction to Piping and Tubing Systems GFB-150 Gas-fired Refrigerators GFB-161 GFB-170 Air-handling GFB-180 Conversion Burners GFB-180 Conversion Burners GFB-180 Forced Air Systems GFB-180 Forced Warm-Air Heating Systems GFB-180 Verticed Warm-Air Heating Systems GFB-180 Forced Wa | MENT-1801                          | Workplace Mentoring I (NS Specific) - see pg. 2  | N/A     | N/A                                               |  |
| Safety, Policies and Regulations                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | GFBA-1810                          |                                                  | GFB-100 | Safety                                            |  |
| GFB-1811  GFB-110  GFB-120  GFB-120  GFB-120  GFB-120  GFB-121  Technical Manuals, Specifications, Schematics, Drawings and Graphics  GFB-125  GFB-130  GFB- |                                    |                                                  |         | Safe Handling of Fuel Gases                       |  |
| GFBA-1811 Tools, Equipment, Technical Manuals, Specifications and Drawings  GFB-125 Technical Manuals, Specifications, Schematics, Drawings and Graphics  GFBA-1812 Introduction to Electricity and Controls  GFB-130 Introduction to Electricity and Controls  GFB-131 Introduction to Gas Appliances  GFBA-1813 Introduction to Gas Appliances  GFBA-1814 Gas Appliances  GFB-145 Domestic Appliances  GFB-150 Gas-fired Refrigerators  GFB-150 Space Heaters  GFB-150 Space Heaters  GFB-151 Introduction to Piping and Tubing Systems  GFB-160 Introduction to Piping and Tubing Systems  GFB-160 Introduction to Piping and Tubing Systems  GFB-161 The Building as a System GFB-170 Air-handling  GFB-170 Air-handling  GFB-170 Conversion Burners  GFB-180 Forced Air Systems  GFB-181 Forced Air Add-on Devices  GFB-182 GFB-183 Forced Air Add-on Devices  GFB-184 Torophylan GFB-190 Water Heaters and Combination Systems  GFB-185 Forced Air Add-on Devices  GFB-180 Safety, Job Planning, Lifting, Rigging and Hoisting  GFB-180 Safety, Job Planning, Lifting, Rigging and Hoisting  GFB-180 CFB-200 Piping and Tubing Systems  GFB-210 Venting GFB-210 Pressure Regulators, Overpressure Protection, Meters and Fuel Containers  GFB-181 GFB-215 Tools, Equipment and Piping Lab  GFB-2182 Basic Electricity and Controls  GFB-235 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    |                                                  |         | Regulations                                       |  |
| GFBA-1811 Tools, Equipment, Technical Manuals, Specifications and Drawings  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  GFBA-1814 Gas Appliances  GFBA-1815 Introduction to Piping and Tubing Systems  GFB-150 Gas-fired Refrigerators  GFB-150 Space Heaters  GFBA-1816 Introduction to Piping and Tubing Systems  GFB-161 GFB-155 Space Heaters  GFBA-1817 Forced Air Systems  GFB-162 GFB-170 Air-handling  GFB-170 Air-handling  GFB-170 Air-handling  GFB-171 Conversion Burners  GFB-172 Conversion Burners  GFB-173 Conversion Burners  GFB-174 Conversion Burners  GFB-175 Conversion Burners  GFB-176 Conversion Burners  GFB-177 Conversion Burners  GFB-178 Forced Air Add-on Devices  Water Heaters and Combination Systems  GFB-185 Forced Air Add-on Devices  Water Heaters and Combination Systems  GFB-180 Water Heaters and Combination Systems  GFB-181 Forced Air Add-on Devices  Water Heaters and Combination Systems  GFB-182 Forced Air Add-on Devices  Water Heaters and Combination Systems  GFB-185 Forced Air Add-on Devices  Water Heaters and Combination Systems  GFB-180 Forced Air Add-on Devices  GFB-181 Forced Air Add-on Devices  Water Heaters and Combination Systems  GFB-181 Forced Air Add-on Devices  GFB-185 Forced Air Add-on Devices  GFB-186 Forced Air Add-on Devices  GFB-187 Forced Air Add-on Devices  GFB-188 Forced Air Add-on Devices  GFB-180 Forced Air Add-on Devices  GFB-181 Forced Air Add-on Devices  GFB-185 Forced Air Add-on Devices  GFB-185 Forced Air Add-on Devices  GFB-186 Forced Air Add-on Devices  GFB-187 Forced Air Add-on Devices  GFB-187 Forced Air Add-on Devices  GFB-189 Hydronic Heating Systems  GFB-199 Hydronic Heating Systems  GFB-190 Forced Air Add-on Devices  GFB-190 Forced Air Ad |                                    |                                                  |         |                                                   |  |
| Specifications and Drawings   GFB-131   Specifications, Schematics, Drawings and Graphics   Specifications, Schematics, Drawings and Graphics   Introduction to Electricity and Controls   GFB-130   Controls: Fundamentals   Introduction to Gas Appliances   GFB-145   Controls: Fundamentals   GFB-1813   Controls: Fundamentals   GFB-1813   Controls: Fundamentals   GFB-1814   Gas Appliances   GFB-145   Domestic Appliances   GFB-150   Gas-fired Refrigerators   GFB-150   GFB-155   Space Heaters   GFB-150   GFB-155   Space Heaters   GFB-150   GFB-155   Space Heaters   GFB-165   GFB-155   Space Heaters   GFB-165   GFB-170   Air-handling   GFB-170   Air-handling   GFB-170   Air-handling   GFB-170   Air-handling   GFB-170   GFB-185   Forced Air Add-on Devices   GFB-185   Forced Air Add-on Devices   GFB-185   GFB-185   Forced Air Add-on Devices   GFB-185   GFB-185   GFB-185   GFB-185   GFB-185   GFB-185   Hydronic Heating Systems   GFB-185   Hydronic Heating Systems   GFB-185   GFB-185   Hydronic Heating Systems   GFB-185   Hydronic Heating Systems   GFB-185   Hydronic Heating Systems   GFB-185   GFB-185   Hydronic Heating Systems   GFB-185   Hydronic Heating Systems   GFB-185   Hydronic Heating Systems   GFB-185   Hydronic Heating Systems   GFB-185   GFB-205   Fiping and Tubing Systems   GFB-206   Fiping and Tubing Systems   GFB-207   Fiping and Tubing Systems   GFB-210   Fiping and Tubing S   | GFBA-1811                          |                                                  |         | Testing Instruments                               |  |
| GFBA-1812 Introduction to Electricity and Controls  GFBA-1813 Introduction to Gas Appliances  GFBA-1814 Introduction to Gas Appliances  GFBA-1815 Gas Appliances  GFBA-1816 Gas Appliances  GFBA-1815 Introduction to Piping and Tubing Systems  GFBA-1816 Building Science and Air Handling  GFBA-1817 Forced Air Systems  GFBA-1817 Forced Air Systems  GFBA-1818 Hydronic and Domestic Water Heat  GFBA-1818 Workplace Mentoring II (NS Specific) - see pg. 3  GFBA-1819 Piping and Tubing Systems  GFBA-1819 Piping and Tubing Systems  GFBA-1820 Venting  GFBA-1820 Venting  GFBA-1821 Venting  GFBA-1822 Basic Electricity and Controls  GFBA-1822 Gas Appliances  GFB-1821 Graph Qrack Appliances  GFB-1821 Grack Appliances  GFB-1821 Graph Qrack Appliances  GFB-1821 Graph Qrack Appliances  GFB-1821 Graph Qrack Appliances  GFB-1821 Graph Qrack Appliances  GFB-1822 Graph Qrack Appliances  GFB-1823 Controls: Fundamentals  GFB-235 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                    |                                                  |         | Specifications, Schematics, Drawings and Graphics |  |
| GFBA-1813 Introduction to Gas Appliances  GFBA-1814 Gas Appliances  GFBA-1815 Gas Appliances  GFB-145 Domestic Appliances  GFB-155 Space Heaters  GFB-165 Space Heaters  Introduction to Piping and Tubing Systems  GFBA-1816 Building Science and Air Handling  GFB-165 The Building as a System  GFBA-1817 Forced Air Systems  GFB-175 Conversion Burners  GFB-180 Forced Warm-Air Heating  GFB-181 Forced Air Add-on Devices  GFB-182 Forced Air Add-on Devices  GFB-181 Workplace Mentoring II (NS Specific) - see pg. 3 N/A N/A  GFBA-1819 Piping and Tubing Systems  GFB-182 GFB-205 Piping and Hoisting  GFB-182 Forced Marn Air Handling  GFB-183 Forced Marn-Air Heating Systems  GFB-184 Forced Marn-Air Heating Systems  GFB-185 Forced Air Add-on Devices  GFB-190 Water Heaters and Combination Systems  GFB-190 Water Heaters and Combination Systems  GFB-190 Workplace Mentoring II (NS Specific) - see pg. 3 N/A N/A  GFB-185 Porced Air Add-on Devices  GFB-190 Water Heaters and Combination Systems  GFB-190 Water Heaters and Combination Systems  GFB-200 Rigging and Hoisting  GFB-201 Pressure Regulators, Overpressure Protection, Meters and Fuel Containers  GFB-215 Tools, Equipment and Piping Lab  GFB-216 Conversion Basic Electricity or Gas-fired Equipment  GFB-230 Controls: Fundamentals  GFB-235 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | GFBA-1812                          | Introduction to Electricity and Controls         |         | L//                                               |  |
| GFBA-1814 Gas Appliances GFB-1815 GFB-1815 GFB-1815 GFB-1815 GFB-1815 GFB-1815 GFB-1816 GFB-1816 GFB-1816 GFB-1816 GFB-1816 GFB-1816 GFB-1817 GFB-1817 Forced Air Systems GFB-1817 GFB-1818 GFB-1819 GFB-1816 GFB-1810 GFB-200 GFB-200 GFB-200 GFB-201 GFB-202 GFB-203 G |                                    |                                                  | GFB-135 | Controls: Fundamentals                            |  |
| GFBA-1814 Gas Appliances  GFB-150 Gas-fired Refrigerators GFB-155 Space Heaters  Introduction to Piping and Tubing Systems  GFB-1816 Introduction to Piping and Tubing Systems  GFBA-1816 Building Science and Air Handling  GFB-165 The Building as a System GFB-170 Air-handling  GFB-175 Conversion Burners  GFB-1817 Forced Air Systems  GFB-1818 Forced Air Add-on Devices  GFB-1818 Forced Air Add-on Devices  GFB-195 Hydronic Heating Systems  GFB-195 Hydronic Heating Systems  GFB-195 Hydronic Heating Systems  GFB-1819 Safety, Job Planning, Lifting, Rigging and Hoisting  GFB-1819 Piping and Tubing Systems  GFB-1820 Piping and Tubing Systems  GFB-1820 Piping and Tubing Systems  GFB-1820 Pressure Regulators, Overpressure Protection, Meters and Fuel Containers  GFB-1821 Venting  GFB-1821 Controlis Fundamentals  GFB-203 Controlis: Fundamentals  GFB-230 Controlis: Fundamentals  GFB-230 Controlis: Fundamentals  GFB-230 Controlis: Fundamentals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | GFBA-1813                          | Introduction to Gas Appliances                   | GFB-140 | Introduction to Gas Appliances                    |  |
| GFB-155 Space Heaters  Introduction to Piping and Tubing Systems  GFB-160 Tubing Systems  GFB-1610 The Building as a System GFB-170 Air-handling  GFB-170 Air-handling  GFB-170 Air-handling  GFB-170 Conversion Burners  GFB-1810 Forced Air Systems  GFB-1820 Forced Air Add-on Devices  GFB-185 Forced Air Add-on Devices  GFB-185 Forced Air Add-on Devices  GFB-190 Water Heaters and Combination Systems  GFB-195 Hydronic Heating Systems  GFB-196 Hydronic Heating Systems  GFB-197 Water Heaters and Combination Systems  GFB-198 Hydronic Heating Systems  GFB-199 Water Heaters and Combination Systems  GFB-190 Water Heaters and Combination Systems  GFB-190 Water Heaters and Combination Systems  GFB-190 Hydronic Heating Systems  GFB-190 Water Heaters and Combination Systems  GFB-190 Hydronic Heating Systems  GFB-190 Hydronic Heating Systems  GFB-200 Safety, Job Planning, Lifting, Rigging and Hoisting  GFB-200 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  GFB-215 Tools, Equipment and Piping Lab  GFB-226 Basic Electricity for Gas-fired Equipment  GFB-230 Controls: Fundamentals  GFB-230 Controls: Fundamentals  GFB-230 Controls: Fundamentals                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | GFBA-1814                          | Gas Appliances                                   |         | <u> </u>                                          |  |
| GFBA-1815   Introduction to Piping and Tubing Systems   GFB-160   Introduction to Piping and Tubing Systems   GFB-165   The Building as a System   GFB-175   Air-handling   GFB-175   Air-handling   GFB-175   Conversion Burners   GFB-180   Forced Marm-Air Heating Systems   GFB-181   Forced Air Systems   GFB-181   Forced Air Systems   GFB-181   Forced Marm-Air Heating Systems   GFB-181   Forced Marm-Air Heating Systems   GFB-181   Forced Marm-Air Heating Systems   GFB-181   Forced Air Add-on Devices   GFB-190   Water Heaters and Combination Systems   GFB-195   Hydronic Heating Systems   GFB-195   Hydronic Heating Systems   GFB-195   Hydronic Heating Systems   GFB-181   Forced Marm-Air Heating Systems   GFB-195   Hydronic Heating Systems   GFB-181   Safety, Job Planning, Lifting, Rigging and Hoisting   GFB-200   Safety, Job Planning, Lifting, Rigging and Hoisting   GFB-200   Fiping and Tubing Systems for Industrial and Commercial Applications   GFB-201   Pressure Regulators, Overpressure Protection, Meters and Fuel Containers   GFB-215   Tools, Equipment and Piping Lab   GFB-225   Basic Electricity for Gas-fired Equipment   GFB-230   Controls: Fundamentals   GFB-230   Controls: Fundamentals   GFB-235   Electrical and Controls Lab   GFB-235   Electrical And Controls La   |                                    |                                                  |         | <u> </u>                                          |  |
| GFBA-1816 Building Science and Air Handling  GFBA-1816 Building Science and Air Handling  GFB-170 Air-handling  GFB-175 Conversion Burners  GFB-180 Forced Warm-Air Heating Systems  GFB-180 Forced Air Add-on Devices  GFB-1818 Forced Air Systems  GFB-1818 Hydronic and Domestic Water Heat  GFB-180 Water Heaters and Combination Systems  GFB-190 Water Heaters and Combination Systems  GFB-1910 Hydronic Heating Systems  GFB-192 Hydronic Heating Systems  GFB-193 Hydronic Heating Systems  GFB-194 Piping and Tubing Systems  GFB-205 Piping and Tubing Systems for Industrial and Commercial Applications  GFB-210 Pressure Regulators, Overpressure Protection, Meters and Fuel Containers  GFB-1821 Venting  GFB-220 Venting Practices  GFB-230 Venting Practices  GFB-230 Controls: Fundamentals GFB-230 Controls: Fundamentals GFB-230 Controls: Fundamentals GFB-230 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                    |                                                  | GFB-155 |                                                   |  |
| GFBA-1817 Forced Air Systems  GFBA-1817 Forced Air Systems  GFB-180 Forced Warm-Air Heating Systems  GFB-1818 Forced Air Add-on Devices  GFB-182 GFB-183 Forced Air Add-on Devices  GFB-185 Forced Air Add-on Devices  GFB-190 Water Heaters and Combination Systems  GFB-195 Hydronic Heating Systems  GFB-196 Water Heaters and Combination Systems  GFB-197 Water Heaters and Combination Systems  GFB-198 Hydronic Heating Systems  GFB-199 Water Heaters and Combination Systems  GFB-190 Water Heaters and Combination Systems  GFB-190 Water Heaters and Combination Systems  GFB-190 Forced Air Add-on Devices  GFB-190 Water Heaters and Combination Systems  GFB-190 Water Heaters and Combination Systems  GFB-190 Forced Air Add-on Devices  GFB-200 Sefety, Job Planning, Lifting, Rigging and Hoisting  GFB-200 Fiping and Tubing Systems for Industrial and Commercial Applications  GFB-201 Pressure Regulators, Overpressure Protection, Meters and Fuel Containers  GFB-215 Tools, Equipment and Piping Lab  GFB-226 Basic Electricity for Gas-fired Equipment  GFB-230 Controls: Fundamentals  GFB-230 Controls: Fundamentals  GFB-230 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | GFBA-1815                          | Introduction to Piping and Tubing Systems        |         | Tubing Systems                                    |  |
| GFBA-1817 Forced Air Systems  GFB-180 Forced Warm-Air Heating Systems  GFB-181 Forced Air Add-on Devices  GFB-185 Forced Air Add-on Devices  GFB-186 GFB-190 Water Heaters and Combination Systems  GFB-195 Hydronic Heating Systems  GFB-196 Hydronic Heating Systems  Wentr-1802 Workplace Mentoring II (NS Specific) - see pg. 3 N/A N/A  GFBA-1819 Safety, Job Planning, Lifting, Rigging and Hoisting  GFB-200 Rigging and Tubing Systems  GFB-201 Piping and Tubing Systems (2-week course)  GFB-210 Pressure Regulators, Overpressure Protection, Meters and Fuel Containers  GFB-215 Tools, Equipment and Piping Lab  GFB-226 Basic Electricity and Controls  GFB-230 Controls: Fundamentals  GFB-230 Controls: Fundamentals  GFB-230 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | GFBA-1816                          | Building Science and Air Handling                |         |                                                   |  |
| Forced Air Systems  GFB-180 Forced Warm-Air Heating Systems  GFB-1818 Forced Air Add-on Devices  GFB-1818 Forced Air Add-on Devices  GFB-190 Water Heaters and Combination Systems  GFB-195 Hydronic Heating Systems  GFB-196 Water Heaters and Combination Systems  GFB-197 Hydronic Heating Systems  GFB-198 Forced Warm-Air Heating Systems  GFB-190 Water Heaters and Combination Systems  GFB-195 Hydronic Heating Systems  GFB-195 Hydronic Heating Systems  GFB-196 Phyloric Heating Systems  GFB-200 Safety, Job Planning, Lifting, Rigging and Hoisting  GFB-200 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  GFB-216 Pressure Regulators  GFB-227 Venting Practices  GFB-230 Controls: Fundamentals  GFB-230 Controls: Fundamentals  GFB-230 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | GFBA-1817                          | Forced Air Systems                               |         | Š                                                 |  |
| GFBA-1818 Hydronic and Domestic Water Heat  GFB-190 Water Heaters and Combination Systems  GFB-195 Hydronic Heating Systems  GFB-196 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  GFB-205 Piping and Tubing Systems (2-week course)  GFB-210 Pressure Regulators, Overpressure Protection, Meters and Fuel Containers  GFB-215 Tools, Equipment and Piping Lab  GFB-225 Basic Electricity for Gas-fired Equipment  GFB-230 Controls: Fundamentals  GFB-235 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                                                  |         | Forced Warm-Air Heating                           |  |
| GFBA-1818Hydronic and Domestic Water HeatCombination SystemsLevel 2 In-class (6 weeks)MENT-1802Workplace Mentoring II (NS Specific) - see pg. 3N/AN/AGFBA-1819Safety, Job Planning, Lifting, Rigging and HoistingGFB-200Safety, Job Planning, Lifting, Rigging and HoistingGFBA-1820Piping and Tubing Systems (2-week course)GFB-205Piping and Tubing Systems for Industrial and Commercial ApplicationsGFB-210Pressure Regulators, Overpressure Protection, Meters and Fuel ContainersGFB-215Tools, Equipment and Piping LabGFB-1821VentingGFB-225Basic Electricity for Gas-fired EquipmentGFB-1822Basic Electricity and ControlsGFB-230Controls: FundamentalsGFB-235Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                    |                                                  | GFB-185 |                                                   |  |
| MENT-1802   Workplace Mentoring II (NS Specific) - see pg. 3   N/A   N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | GFBA-1818                          | Hydronic and Domestic Water Heat                 |         | !                                                 |  |
| MENT-1802Workplace Mentoring II (NS Specific) - see pg. 3N/AN/AGFBA-1819Safety, Job Planning, Lifting, Rigging and HoistingGFB-200Safety, Job Planning, Lifting, Rigging and HoistingGFBA-1820Piping and Tubing Systems (2-week course)GFB-205Piping and Tubing Systems for Industrial and Commercial ApplicationsGFB-210Pressure Regulators, Overpressure Protection, Meters and Fuel ContainersGFB-215Tools, Equipment and Piping LabGFB-1821VentingGFB-220Venting PracticesGFB-218Basic Electricity for Gas-fired EquipmentGFB-230Controls: FundamentalsGFB-235Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                    |                                                  | GFB-195 | Hydronic Heating Systems                          |  |
| GFBA-1819 Safety, Job Planning, Lifting, Rigging and Hoisting GFB-200 Safety, Job Planning, Lifting, Rigging and Hoisting 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  GFB-225 Basic Electricity for Gas-fired Equipment  GFB-230 Controls: Fundamentals  GFB-235 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Level 2 <u>In-class</u> (6 weeks)  |                                                  |         |                                                   |  |
| Hoisting  GFB-205 Rigging and Hoisting  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  GFB-220 Venting Practices  GFB-225 Basic Electricity for Gas-fired Equipment  GFB-230 Controls: Fundamentals  GFB-235 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | MENT-1802                          | Workplace Mentoring II (NS Specific) - see pg. 3 | N/A     | N/A                                               |  |
| GFBA-1820 Piping and Tubing Systems (2-week course)  GFB-210 Pressure Regulators, Overpressure Protection, Meters and Fuel Containers GFB-215 Tools, Equipment and Piping Lab  GFB-220 Venting Practices  GFB-225 GFB-225 Basic Electricity for Gas-fired Equipment GFB-230 Controls: Fundamentals GFB-235 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | GFBA-1819                          |                                                  | GFB-200 |                                                   |  |
| GFBA-1820 Piping and Tubing Systems (2-week course)  GFB-210 Pressure Regulators, Overpressure Protection, Meters and Fuel Containers  GFB-215 Tools, Equipment and Piping Lab  GFB-220 Venting Practices  GFB-225 Basic Electricity for Gas-fired Equipment  GFB-230 Controls: Fundamentals  GFB-235 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | GFBA-1820                          |                                                  | GFB-205 | Industrial and Commercial                         |  |
| GFB-215 Tools, Equipment and Piping Lab  GFB-1821 Venting GFB-220 Venting Practices  GFB-225 Basic Electricity for Gas-fired Equipment  GFB-230 Controls: Fundamentals  GFB-235 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                    |                                                  | GFB-210 | Pressure Regulators, Overpressure Protection,     |  |
| GFBA-1822 Basic Electricity and Controls  GFB-225 Basic Electricity for Gas-fired Equipment  GFB-230 Controls: Fundamentals  GFB-235 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                                    |                                                  | GFB-215 | Tools, Equipment and Piping                       |  |
| GFB-1822 Basic Electricity and Controls  GFB-225 Equipment  GFB-230 Controls: Fundamentals  GFB-235 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | GFBA-1821                          | Venting                                          | GFB-220 | Venting Practices                                 |  |
| GFBA-1822 Basic Electricity and Controls  GFB-230 Controls: Fundamentals  GFB-235 Electrical and Controls Lab                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | GFBA-1822                          | Basic Electricity and Controls                   | GFB-225 |                                                   |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                    |                                                  | GFB-230 | <del> </del>                                      |  |
| GFBA-1823 Program Review (Class B) GFB-240 Program Review                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                    |                                                  | GFB-235 | Electrical and Controls Lab                       |  |
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## 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.

# MENT-1802 Workplace Mentoring II

(Nova Scotia Unit of Instruction)

## **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.