



Environmental & Medical Gas Services

103 Hunter Industrial Dr.
Villa Rica, GA 30180

Ph. (770) 459-5920
Fax (770) 459-1812

ASSE 6005/6010/6020 - 2018 NFPA 99 COURSES

ASSE 6005 MEDICAL GAS GENERALIST*

Description: A 24-hour training course for medical gas system engineers, designers, and personnel in need of general medical gas system information.

Prerequisite: None

Cost: \$650.00 (MGA credentialing)

*This course provides general knowledge of medical gas and vacuum systems for the purpose of providing continuing education. Eligible individuals include any person with an interest in medical gas and vacuum systems and equipment.

ASSE 6010 MEDICAL GAS INSTALLER*

Description: A 32-hour course for medical gas system installers, which includes both a written and a practical brazing test. Brazing credentials are re-issued on a six-month time interval to ensure continuity of brazing expertise.

Prerequisite: Four (4) years of documented practical experience in the installation of piping systems.

Cost: \$850.00 (MGA credentialing)

*This course is approved in the following states: Georgia, Alabama, Tennessee, Michigan, Iowa, North Carolina, South Carolina, Kansas, New York, Indiana, Mississippi, Arkansas, Virginia. If you work in another state, please check with the governing authority in that state for course approval, or we do offer a national certification from NITC for an additional \$150.00. You must complete a separate NITC application.

ASSE 6020 MEDICAL GAS INSPECTOR*

Description: A 24-hour training course for medical gas system inspectors who inspect and review medical gas system installations for both governmental and private agencies.

Prerequisite: Two (2) years of documented practical experience.

Cost: \$650.00 (MGA credentialing)

*This course applies to any individual who inspects the installation of medical gas and vacuum distribution systems. Medical gas systems and equipment covered in this standard include health care facilities within the scope of NFPA 99-2015, Health Care Facilities Code. Medical gas systems include vacuum systems.

COURSE SYNOPSIS

Within the three days of classroom time, the NFPA 99 document is covered in (9) segments with each segment reviewed by a corresponding worksheet of multiple-choice questions. A lecture session of each segment will be accompanied by a PowerPoint presentation, after which each student will complete the appropriate worksheet. Each student will work on a (65) question pre-exam progressively over the three-day period as time permits in class, and/or in the evenings after class. Homework will be issued on days one and two, which will cover the material taught during the day by placing the student in some decision-making scenarios with written questions. Day four will consist of a 100-question written or computer exam. Time will be allocated on the afternoon of day three and/or four for the brazing instruction and test.** Credentials will be issued by MGA or NITC, after successful completion.

Each student will receive a three-ring instruction binder, and a copy of the 2018 edition of NFPA 99.

**The course for obtaining the ASSE 6005/6020 credential is the same except for brazing instruction and test.

**EMGS COURSES ARE TAUGHT BY A
CREDENTIALLED ASSE 6050
INSTRUCTOR WITH OVER 20 YEARS
OF TRAINING EXPERIENCE IN THE
MEDICAL GAS INDUSTRY.**

COURSE DATE: May 12-15, 2020
COURSE LOCATION: River City Mechanical
5325 A Six Mile Ct. NW
Comstock Park, MI 49321
REGISTRATION DEADLINE: April 27, 2020
COURSE LANGUAGE: English



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MEDICAL GAS CERTIFICATION COURSE OUTLINE

- I. DAY ONE (8 hours)
 - a. CHAPTER 3 DEFINITIONS
 - b. CHAPTER 4 FUNDAMENTALS
 - c. CHAPTER 5 SOURCES (MANIFOLDS, BULK CRYOGENIC SYSTEMS, AND MEDICAL AIR SYSTEMS) Homework (2 hours)

- II. DAY TWO (8 hours)
 - a. CHAPTER 5 SOURCES (MEDICAL VACUUM AND WAGD SYSTEMS AND INSTRUMENT AIR SYSTEMS)
 - b. CHAPTER 5 VALVES
 - c. CHAPTER 5 OUTLETS/INLETS
 - d. CHAPTER 5 ALARMS
 - e. CHAPTER 5 DISTRIBUTION PIPING Homework (2 hours)

- III. DAY THREE (4 hours classroom, & 4 hours brazing)
 - a. CHAPTER 5 LABELING AND TESTING
 - b. CHAPTER 5 MAINTENANCE, MANUFACTURED ASSEMBLIES, AND CATEGORY 2 SYSTEMS
 - c. CHAPTER 15 DENTAL GAS AND VACUUM SYSTEMS
 - d. BRAZING PRACTICE AND TEST (6010 students only) Study Guide (2 hours)

- IV. DAY FOUR (2-4 hours)
 - a. ORAL QUESTION AND ANSWER SESSION (IF REQUIRED)
 - b. WRITTEN EXAM

EQUIPMENT REQUIRED FOR ASSE 6010 COURSES ONLY

We recommend that each student have:

- (10) 1-1/2" Mueller W 01063 copper coupling fittings (standard type "L" plumbing fittings are acceptable and the fittings do not need to be cleaned for oxygen service). We highly recommend using these ring type couplings rather than dimple type.
- Minimum 10' of copper tubing type "L" size 1-1/2" (standard copper, does not need to be cleaned and capped). The 10' of 1-1/2" copper tubing can be cut into (10) 7" lengths, and (10) 5" lengths for placement in our brazing jig. Please cut pipe with a tubing cutter. This will expedite your practice and brazing procedures. Fittings and pipe need to have no oxidation present.
- (1) Pound or (28) sticks of BCUP 5 silver brazing rods with a minimum of 15% silver content (substitute 2-15% is not acceptable).

ASSE 6010 COURSE APPLICATION

COURSE DATE: May 12-15, 2020
TIME: 8:00 AM
LOCATION: River City Mechanical, Comstock Park, MI
REGISTRATION DEADLINE: April 27, 2020
COST: \$850.00

APPLICANT'S NAME: _____

COMPANY: _____

ADDRESS: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

CONTACT PERSON: _____

TELEPHONE NUMBER: _____

FAX NUMBER: _____

EMAIL ADDRESS: _____

Paragraph 10-3.2.1 of the 2018 Edition of the ASSE 6010 Standard states "The candidates for the ASSE 6010 certification shall have a minimum of four (4) years of documented experience in the field of installation of plumbing or mechanical piping systems." This does not mean the experience has to be with medical gas systems. Please list the documented experience for the applicant below:

Employer, City & Phone Number	From:	To:
_____	_____	_____
_____	_____	_____
_____	_____	_____

I do solemnly swear or affirm that the above statements are true.

Signature of Applicant _____ **Date** _____

Optional: You can purchase a DVD of the brazing procedure for \$20.00. We recommend that you practice the procedure prior to attending the course.

Contact: Jennifer Darden, Training Director

Respond by FAX:
770-459-1812

Respond by PHONE:
770-459-5920

Respond by EMAIL:
jdarden@emgsi.com

Respond by MAIL:
103 Hunter Industrial Dr.
Villa Rica, GA 30180

Please include payment with your registration form. Checks can be made payable to EMGS. We also accept Visa/MasterCard/Discover/Amex.

Card Type: _____ **Amount:** _____

Name on Card: _____

Card #: _____

Expiration: _____ **Billing Zip:** _____

Please note that payment is due by the registration deadline. If attendance is canceled after this date, we will apply payment towards another class held within 6 months. It is the applicant's responsibility to keep track of class credit for upcoming courses.