



# Environmental & Medical Gas Services

103 Hunter Industrial Dr.  
Villa Rica, GA 30180

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

**COURSE DATE:** April 17-20, 2012

**COURSE LOCATION:** Mike Genson Plbg.  
182 E. Livingston Rd.  
Highland, MI 48357

## ASSE 6005 MEDICAL GAS SPECIALIST

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

**Prerequisite:** None

**Cost:** \$750.00

## ASSE 6010 MEDICAL GAS INSTALLER

A 32 hour training 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 insure continuity of brazing expertise.

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

**Cost:** \$850.00\*

***\*Our course is approved in the following states: Georgia, Tennessee, Michigan, Iowa, North Carolina, South Carolina, Kansas and New York. If you do work in another state, we offer a national certification from NITC for an additional \$50.00. You must complete a separate NITC application.***

## ASSE 6020 MEDICAL GAS INSPECTOR

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:** (2) years of documented practical experience (any type of installation services).

**Cost:** \$750.00

### COURSE OUTLINE

#### I. DAY ONE (8 HOURS)

- A. NFPA 99C CODE INTRODUCTION
- B. NFPA 99C CODE DEFINITIONS
- C. MANIFOLDS
- D. AIR COMPRESSORS

#### II. DAY TWO (8 HOURS)

- A. PIPELINE DISTRIBUTION
- B. MEDICAL GAS ALARM PANELS
- C. MEDICAL GAS SHUT-OFF VALVES
- D. VACUUM PUMPS AND LEVEL III SYSTEMS

#### III. DAY THREE (8 HOURS)

- A. NFPA 99C 2005 EDITION CODE OVERVIEW
- B. NFPA 99C 2005 EDITION CODE QUIZ

#### IV. DAY FOUR (8 HOURS)

- A. INSTALLATION / INSTALLER REQUIREMENTS
- B. WRITTEN TEST
- C. BRAZING COUPON TEST (ASSE 6010 only—review supply list at right).

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

### EQUIPMENT REQUIRED FOR ASSE 6010 COURSE ONLY—EACH PERSON MUST HAVE:

- Ten (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 Mueller 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) seven inch lengths and (10) five inch lengths for placement in our brazing jig. Please cut pipe with a tubing cutter. This will expedite your practice and test brazing procedures. Fittings and pipe need to have no oxidation present.**
- (1) pound or 28 sticks of **Silver solder** with a minimum of 15% silver content (substitute 2-15% is not acceptable).

### COURSE SYNOPSIS

The majority of the course is taught in a classroom setting and consists of lecture session segments, each of which is accompanied by a course worksheet. Day one, two & three are spent entirely in the classroom setting. Day four is split between some time in the classroom and some time spent in the shop area where each student is required to braze their own individual coupons (ASSE 6010 only). The test coupons consist of two sections of 1-1/2" pipe in a coupling in two separate assemblies to obtain two vertical upflow and two horizontal joints for a total of (4) brazed joints. A minimum test score of 75% is required to pass the written exam, which consists of a 100 question, closed book, multiple choice question type test. Upon successful completion of the course, a certificate, identification card, and brazing procedure qualification record are mailed to the student's employer. **A copy of the 2005 edition of NFPA99 C is included in the cost of the course.** Class will start at 8:00 AM and last until 5:00 PM each day. The class will be dismissed somewhat earlier on the final (test) day as some students may finish earlier than others.

# COURSE APPLICATION

**COURSE DATE:** April 17-20, 2012  
**TIME:** 8:00am – 5:00pm each day  
**LOCATION:** Mike Genson Plumbing - Highland, MI



**COMPANY:** \_\_\_\_\_

**ADDRESS:** \_\_\_\_\_

**CITY:** \_\_\_\_\_ **STATE:** \_\_\_\_\_ **ZIP:** \_\_\_\_\_

**CONTACT PERSON:** \_\_\_\_\_

**TELEPHONE NUMBER:** \_\_\_\_\_

**FAX NUMBER:** \_\_\_\_\_

**E-MAIL ADDRESS:** \_\_\_\_\_

**PLEASE CHECK APPROPRIATE COURSE:**

- 6005 SPECIALIST**                       **6010 INSTALLER**                       **6020 INSPECTOR**

**NAMES OF PARTICIPANTS** (If taking the national exam (review first page of flyer), you will also need to complete a separate NITC application).

1. \_\_\_\_\_ 2. \_\_\_\_\_

3. \_\_\_\_\_ 4. \_\_\_\_\_

\*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: Caroline Darden, Training Director**

**Respond by FAX:**  
(770) 459-1812

**Respond by PHONE:**  
(770) 459-5920

**Respond by EMAIL:**  
caroline@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.

Card Type: \_\_\_\_\_

Name on Card: \_\_\_\_\_

Card #: \_\_\_\_\_

Expiration: \_\_\_\_\_ Billing Zip: \_\_\_\_\_

Cancellations will forfeit 50% of paid amount.



# APPLICATION FOR NITC Medical Gas Installer/Brazer Examination

## Application Information

### Important note to examination candidates:

A [Candidate Information Bulletin](#) has been developed to help ensure your success. Since the information contained in each section of the Bulletin will answer many of the questions you might have, it is required reading prior to proceeding with this application. Download a copy from NITC's web site or call NITC to request a copy.

**TO QUALIFY FOR THIS EXAMINATION** all candidates must meet the requirements of the ASSE Series 6000, Professional Qualifications Standard for Medical Gas Systems Personnel, Section 10-3.2, Certification of Medical Gas Installers, to include the following:

1. Successful completion of a minimum 32-hour training course conducted by an Instructor certified to ASSE 6050, and
2. Successful completion of a written and a practical examination covering all facets of ASSE Standard 6010, NFPA 99, and NFPA 50 or NFPA 55, and
3. A minimum of four years of documented practical experience in the installation of piping systems.

**THE EXAMINATION FEE** is One Hundred Eight Dollars (\$108.00). This must be prepaid and is **NON REFUNDABLE**. Please make check or money order payable to NITC. Visa, Master Card or American Express is also accepted. The method of payment must be attached at the time of submission. Or contact NITC to provide credit card payment information by phone at (877) 457-6482. **Note:** *In some cases payment is provided by the training agency or employer.*

**For re-testing, or those who cannot attend the examination with their instructor**, the multiple-choice examination is available computer-based at ACT centers. Visit [www.nationalitc.com](http://www.nationalitc.com) or [www.act.org/actcenters/locate/](http://www.act.org/actcenters/locate/) to locate an ACT center.

Exams given at ACT centers require that an email address be provided. You will receive an e-mail confirmation with your login information to schedule the exam date and time. Rescheduling for ACT examinations must be made at least 48 hours prior to the assigned time or date or a rescheduling fee of will be assessed. **Note:** *Application will not be processed until payment has been received.*

See the [Candidate Information Bulletin](#) for additional information.

### Important Note to all Industry Stakeholders:

*If you are a stakeholder who employs individuals in any arena in which NITC provides certifications, NITC would like to ask you to complete a very brief survey. This can allow you to anonymously share your industry knowledge, concerns, and/or kudos. Please [click here](#) to choose your area of interest.*

**Keep this page for your records. Return Page 2 to NITC via fax (213) 351-7632, e-mail to [crystalg@nationalitc.com](mailto:crystalg@nationalitc.com), or mail to the address shown below. For more information call (877) 457-6482.**

