



THE **LASER SAFETY** COURSE

Laser Safety for Medical Personnel

Day 1 - Medical/Surgical/Aesthetic Operators
Days 1&2 – Medical Laser Safety Officer (optional)

2nd Day - Become a
CERTIFIED MEDICAL LASER SAFETY OFFICER

Co-Sponsored By:

**The Laser Training Institute™ of
Professional Medical Education Assn**

not-for-profit education, Est 1978

800-342-2704

www.LaserTraining.org

www.LaserCertification.org

TRACE Services Inc.

BIOMEDICAL SERVICES

815 E. Irving Park Rd., Roselle, IL 60172

630.671.9300

www.TraceServicesinc.com

The first day is for *laser operators*, running equipment, in any health care related field. The second day expands on that and completes the required training for *Medical Laser Safety Officers* (LSO). Every facility **MUST** have an LSO, from large hospitals to small private medical or aesthetic practices. Attend just the first day, or both for the Safety Officer.

8.0 RN Contact Hours awarded for Day 1 only, or 16.1 Hours for Days 1 & 2.

This program meets National Standards for training of Laser Operators and Safety Officers. In addition, it meets **SPECIFIC ILLINOIS STATE LAW REQUIREMENTS** for INITIAL and ANNUAL in-service Laser Safety Training.

(See IL Administrative Code, Title 32, Chapter 11, subchapter b, Part 315 Standards)

October 14-15, 2023. WESTIN CHICAGO NW (Itasca) 400 Park Blvd, Itasca, IL 60143

\$495 For Day One Only. \$895 for full Two Days Laser Safety Officer.

Contact Denise Silva at Trace Services at 630.671.9300 x 1 or denise.traceservices@gmail.com for registration and information

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COURSE
DESCRIPTION:

The "Surgical Booties Camp" of Laser Training

The Laser Course

Medical Laser Safety Officers &
Surgical Operators / Assistants



This program is utilized by Nurses, Physicians, Technicians, Aestheticians and Biomedical Engineers to meet the educational requirements for Laser Biophysics, Tissue Interaction and Laser Safety Training required by A.N.S.I.. Additionally the course trains Laser Safety Officers (LSO's) who have been given the responsibility of establishing the institutions' Laser Safety Program. As part of this course, a basic Laser Powerpoint presentation is provided that can be used for teaching purposes for your own staff. It also includes a full PowerPoint presentation with embedded videos on Airway Laser Safety for Hospital LSO's. The full two day program provides a thorough understanding of all procedures required to ensure compliance of your laser safety program with ANSI, OSHA and JCAHO, and meet various State requirements, for both Hospitals or private practices.

The Safety presentations we use in this program is the same Safety material we have developed and presented on behalf of the American Society for Laser Medicine & Surgery (ASLMS) for use in training at their annual Scientific meeting, and regional courses. We present the Laser Safety portions of that training for the ASLMS.



BECOME A CERTIFIED MEDICAL LASER SAFETY OFFICER!

The NCLC LASER CERTIFICATION PROGRAM for LSO's will be discussed at this program, and Certification Exams and Intensive Review taken at the option of the participant the last afternoon. The ANSI Standards now RECOMMEND the Certification.

This is the "Boot Camp" Laser course to gain a solid foundation in Medical/Surgical Laser Safety, earn a certificate of Laser Training, and optionally sit for the Medical Laser Safety Officer Certification Exam.

**Medical Laser Safety Officer &
Surgical Operator / Assistant**
A Laser Certification Preparation Program
2 Day Course Outline

Day 1— 7:30am-5:00pm LASER SAFETY FOR MEDICAL PERSONNEL

SESSION I:

7:30 am **Registration & Coffee**

7:55 am **Course Introduction**

8:00 am **Fundamentals of Laser & Light Use (Laser Biophysics), & Tissue Effects**

Practical laser biophysics - Types of Lasers & Light Sources - Pulse lengths - Wavelengths
- Energy Concepts – Dosimetry – Delivery Systems - Thermal Relaxation Times - IPL vs Laser
Light/Tissue Interaction - Photodynamic Therapy—Pulsing & CW beam delivery— Delivery devices

9:30 am **BREAK**

9:45 am **Continue with Fundamentals of Laser & Light Use**

12:00 **LUNCH** - Provided

1:15 pm **Laser Safety - Risk Assessment, Administrative & Procedural Controls**
Compliance with ANSI standards

2:15 pm **BREAK**

2:30 pm **Laser Safety Continued—Laser Safe Practices**

3:30 pm **BREAK**

3:40 pm **Laser Safety Including Considerations for Surgical & Aesthetic Environments**

4:40 pm **Discussion**

5:00 pm **Adjourn**

(420 actual minutes)



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Surgical Operator / Assistant**
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Day 2— 7:30am-4:30pm MEDICAL LASER SAFETY OFFICER

SESSION I:

7:30 am **Coffee & Sign-in**

8:00 am - 11:00 am

**Review of ANSI 136.3 Standards—Safe Use of Lasers in Health Care Facilities
(American National Standards Institute)**

Review of materials on USB thumb Drive for LSO attendees – including additional material on organization of your laser program, sample policies and procedures, Laser Safety Inservices for the LSO to present, Airway Laser Safety for surgical staff, a “Cliff Notes” summary of the ANSI Z136.3 standards (you still need a set of standards)

10:00—10:15 am **BREAK**

11:00 am **CERTIFICATION REVIEW**—Detailed “Jam Session” Review for
NCLC Medical Laser Safety Officer Certification
(Now recommended by ANSI Standards)

12:15 **LUNCH** – On own

(at option of each attendee, you may skip lunch and start the exam right away to get out early – we’ll have a show of hands before lunch)

1:30 pm **NCLC LASER CERTIFICATION EXAM—PROCTORED TESTING**

3 hours is allotted for the testing. Many finish within 2 hours.

Participants will be able to review their score before leaving.

There is no “down-side” if you do not pass the exam the first time. You still receive your Certificate of Laser Training.

4:30 pm **Adjourn—Awarding of Certificates of Laser Training**

(You can leave whenever you are finished with the examination)

(405 actual minutes)



**Candidates should review in advance all
Certification Requirements contained in the
Certification Handbook.**

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NCLC Certified Medical Laser Safety Officer (CLSO/M)

www.lasercertification.org

Offered since 2000, the Medical Laser Safety Officer certification is administered through the National Council on Laser Certification. We will administer this examination the last afternoon of the course. You may complete the required paperwork at the time of the course and do not need to make advance application.

The Laser Safety Officer Certification is a Professional Credential that reflects your knowledge in this field. This Certification is NOT a requirement of any State, but is recommended by ANSI standards. It DOES reflect your professionalism in this field. **You will be setup 10 days prior to the course for an online “Practice Exam”** that self-grades online. You can take this as many times as you like prior to the actual exam.

FACULTY

Gregory T. Absten, B.Sc., MBA, CLSO/M
Executive Director
Professional Medical Education Assn.



A 45 year veteran in the Medical Laser Field, Mr. Absten is an internationally recognized lecturer and author on the subject of medical laser applications and safety. He is the Executive Director of Professional Medical Education Assn., Inc. -- the non-profit group sponsoring this course through the Laser Training Institute division. A Scientific Fellow with the American Society for Laser Medicine and Surgery, he has served as the Course Director for the ASLMS "Laser Biophysics and Safety Courses" for a number of years at their annual scientific meetings and has taught for the Nursing Course and "Fundamentals of Laser" Course of this meeting many times. He served as the Exhibits Chairman for the annual Scientific Meeting for more than 14 years, was a member of the Laser Safety committee, and past member of the Board of Directors. He is a member of the ANSI 136.3 Committee on the Safe Use of Lasers in Health Care. He is a Laser Safety Consultant and staff educator with The Ohio State University Medical Center, and has served as a Director or Advisor to many medical laser organizations. He chairs the National Council on Laser Certification. He has taught hundreds of physician and nursing laser courses and has been actively involved with hands-on physician training in both surgical lasers and endoscopic procedures in most specialties. His initial clinical background in the 70's involved Critical Care patient management as a Registered Respiratory Therapist, while he built lasers at home.

Professional Medical Education Association provides the nursing accreditation for the annual American Society of Lasers in Medicine & Surgery scientific meeting.

Curriculae Vitae available at <http://www.lasertraining.org/Administrative/Library/AbstenCV.htm>
(You can copy and paste this into your browse)

WHY ATTEND?

- Meet State of Illinois annual inservice requirements
- Earn the ANSI Recommended Professional Credentials of Certified Medical Laser Safety Officer (CLSO/M)
- Familiarize yourself with ANSI 136.3 Laser Standards
- Great for Staff turnover and staying current
- This is the MAINSTAY SURGICAL LASER TRAINING PROGRAM in the United States
- Courses consistently rated excellent by past attendees
- 16.1 Nursing Credits for the 2 days, or 8.0 for 1 day
- Ensure your compliance with OSHA and JCAHO - You MUST have a Laser Safety Officer
- Learn about NCLC Laser Certifications for Medical Laser Safety Officers
- Obtain all the teaching materials we provide at the course so you can go home and train YOUR staff, including Laser Airway Safety



As a recent attendee stated: "This is a very practical course..... Though I was initially intimidated by all the material I was expected to learn about lasers, I was pleased to see that it was all presented in a clear and easy-to-understand manner for a staff nurse such as myself to comprehend and use. I'd recommend this program".

