

## 1 Who Should Attend . . .

This seminar is a must for anyone concerned about health and safety on the job including:

- ▶ Managers concerned about workers' compensation costs.
- ▶ Employees who want to learn proper techniques for protecting their safety and health at work.
- ▶ Business owners who want to learn about compliance with Michigan Occupational Safety and Health Administration (MIOSHA).

## 2 MIOSHA Training Institute

MIOSHA Consultation Education and Training (CET) Division and Macomb Community College (MCC) have developed the MIOSHA Training Institute (MTI) through a formal alliance. The MTI introduced an Assessment-Based Certificate program, effective October 1, 2007. The certificate program offers participants an opportunity to be recognized for their educational efforts and increased technical expertise. Courses are offered throughout the state in sponsorship with other M-TEC<sup>SM</sup> facilities, community colleges, and safety and health organizations. To learn more about the certificate program, log on to the CET Division website at [www.michigan.gov/mti](http://www.michigan.gov/mti).

## 3 What You'll Learn . . .

Industrial Hygiene is the science devoted to the anticipation, recognition, evaluation, and control of health hazards in the workplace. This course will discuss the various categories of health hazards and their routes of exposure. Participants will learn terminology and fundamental concepts essential to understanding industrial hygiene standards and studies. **NOTE: Participants will need to bring a laptop, tablet, or other .pdf viewer with them to the course to access electronic handouts and course materials.**

### Agenda

*We offer a flexible program agenda to emphasize the health and safety topics you want most.*

By the end of the course attendees will:

- ▶ Describe the purpose of modern industrial hygiene.
- ▶ Identify the routes of entry for harmful agents.
- ▶ Review various hazards found in the occupational setting.
- ▶ Demonstrate industrial hygiene sampling concepts.
- ▶ Apply the hierarchy of controls to an air contaminant overexposure.
- ▶ Participate in hands on tutorials with industrial hygiene equipment.

**Required Class For  
Occupational Health  
MTI Certificate**

The meeting site and parking are accessible. Individuals attending the meeting are requested to refrain from using heavily scented personal care products, in order to enhance accessibility for everyone. People with disabilities requiring additional services (such as materials in alternative format) in order to participate in the meeting should call 517-284-7720 at least 30 days before the program. The Department of Labor and Economic Opportunity (LEO) is an equal opportunity employer/program.

# Facilitator

Brian Roulier joined the General Industry Safety and Health Division of MIOSHA in 2018 as an Industrial Hygienist. For more than four years, he conducted comprehensive inspections in high hazard industries, addressed employee complaints, and investigated workplace injuries and fatalities.

Brian is currently an Industrial Hygiene Consultant in MIOSHA's Consultation Education and Training Division covering eight counties in Southeast Michigan. In this capacity, he advises construction and general industry employers, workgroups, and governmental agencies in areas relating to occupational health hazards and compliance with MIOSHA Health Standards. He also conducts on-site hazard surveys and develops and delivers training seminars.

Prior to joining MIOSHA, Brian worked as an industrial hygiene consultant performing exposure assessments, asbestos and lead building inspections, and contractor oversight during abatement projects.

Presenters: Brian Roulier and Jamie Green, Industrial Hygienists;  
MIOSHA-CET Division



**Brian Roulier**  
*Sr. Industrial Hygienist,*  
*MIOSHA, CET Division*

## Program Details

DATE: August 20 and 21, 2024

LOCATION: Macomb Community College, East Campus  
Emergency Services Training Center  
21901 Dunham Road  
Clinton Township, MI 48036

COST: \$190 per person.  
Includes warm lunch and course materials.  
Certification/Maintenance Points Available

TIME: Check-in - 8:30 a.m.  
Program - 9:00 a.m. to 4:30 p.m.

DEADLINE: Register Before August 13, 2024  
Please register early!

CONTACT: Robert Troutman- 586-498-4106  
or [mti@macomb.edu](mailto:mti@macomb.edu)

Inclement Weather Line  
586-445-7800 or [www.macomb.edu](http://www.macomb.edu)

COSPONSOR: **Macomb Community College**

## How to Register

Fundamentals of Industrial Hygiene

### **Online Registration: <https://wce.macomb.edu>**

- ▶ Click: **LOGIN/CREATE ACCOUNT**.  
Click: **Create New Profile**. Enter data into fields. Steps 1 and 2.  
Click: **Submit**.
- ▶ Click: **Browse and choose Class(es)**.  
Select category: **Occupational Safety** subcategory (**MIOSHA**).  
Choose course: **Fundamentals of Industrial Hygiene**.  
Choose: **Add to Cart**.
- ▶ Select: **Checkout** to display shopping cart, policies, and signature.
- ▶ Click: **I Agree**. Answer all questions and enter payment information.

All meetings are accessible and barrier free. Please contact the cosponsor or the CET Division, at least 30 days in advance, to request necessary accommodations.