



An Informative Full-day Seminar:

# Human Factors Engineering

## 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 . . .

This program is designed to provide a basic understanding of human factors engineering, otherwise known as "ergonomics," and the implementation of a successful ergonomics program based on the National Institute of Safety and Health, Elements of Ergonomics Programs. Key terminology will be defined and the MIOSHA strategic plan initiative will be discussed. Common ergonomic disorders and primary risk factors will be identified. The course will describe how to build a case for implementing an ergonomics program and the important elements to include in a successful ergonomics program. Ergonomic risk factor identification will be emphasized through use of a videos and class activities. A variety of ergonomic resources and checklists will be used and provided to attendees.

### Agenda

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

- ▶ Define "Ergonomics" and "Work Related Musculoskeletal Disorders (WMSDs)"
- ▶ Identify Risk Factors
- ▶ Provide Training for Management and Workers
- ▶ Collect Health and Medical Evidence
- ▶ Implement an Ergonomic Program
- ▶ Evaluate the Ergonomic Program

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.

# Facilitator

Anthony Smykla joined the CET Division on November 20, 2017. Anthony serves as an Industrial Hygienist in the Training and Consultation Program in 21 Northern Lower Peninsula counties. He provides occupational health consultation and advice to business, industry, construction, unions, employee groups, schools, colleges, municipalities, counties, and state agencies.

Anthony comes from private industry as an employee of Bureau Veritas of North America working as Industrial Hygiene Manager with full responsibility for all of the Detroit Region's Industrial Hygiene Services of his firm. He was responsible for the coordination of industrial hygiene services for some of his firm's largest clientele.

Anthony holds a Bachelor's Degree in Biology and a Master's Degree in Industrial Hygiene and Toxicology. He also holds a Juris Doctorate in Law and is a licensed attorney.



**Anthony Smykla**  
*Industrial Hygienist,  
MIOSHA, CET Division*

## Program Details

DATE: April 13, 2023

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

COST: \$130 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 4:00 p.m.

DEADLINE: Register Before March 30, 2023  
Please register early!

CONTACT: Jeff Packett - 586-498-4021  
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

Human Factors Engineering

### 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: **Human Factors Engineering**.  
Choose: **Add to Cart**.
- ▶ Select: **Checkout** to display shopping cart, policies, and signature.
- ▶ Click: **I Agree**. Answer all questions and enter payment information.

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.