

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-TECSM 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.

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. Upon defining some key terminology and discussing some background information, this seminar will then identify common ergonomic disorders and primary risk factors. The importance for building a case for implementing an ergonomics program and the elements of an ergonomics program will also be covered. Attendees will then learn how to perform incidence rate calculations followed by a presentation on MIOSHA's ergonomic initiatives. Additionally, ergonomic risk factor identification will be emphasized through use of a video and a class exercise. Another class exercise will present methods for analyzing workplace records to establish the need for implementing an ergonomics program. Attendees will also be provided with a variety of ergonomic resources.

Agenda

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

- ▶ Define "ergonomics" and "WMSD."
- ▶ Identify:
 - ▶ Ergonomic disorders and risk factors.
 - ▶ Basic ergonomic solutions.
 - ▶ Importance of building a case for an ergonomics program.
 - ▶ Elements of an ergonomics program.
 - ▶ Calculation of ergonomic incident rates.
 - ▶ MIOSHA ergonomic initiatives.

Required Class For
Occupational Health
Level Two
MTI Certificate

New

MIOSHA Education Training Materials Have Gone Electronic

MIOSHA Training Institute (MTI) has changed the delivery of its printed education materials to an electronic format.

The student training manual and course reference materials will be provided in electronic format via email for students to download and print before class if they wish.

No hard copy textbook will be provided at the class. Upon arrival at class, each student will also receive a flash drive containing these materials which is theirs to keep. If you wish to bring a copy to class, you have the option to **download and/or print** the course materials in advance.

Important: When registering for this class, please provide your complete email address.

Remember to download your course handouts ahead of time!

Frequently Asked Questions

Q: Will I be able to print my materials at the seminar or workshop?

A: No printing services will be available. Print or download the presentation slides before you arrive for the class.

Q: What electronic format will the handouts be in?

A: All materials will be available as PDF documents.

Q: Will I be able to charge my device at the seminar or workshop?

A: We recommend that your device is fully charged before you arrive. Charging stations may not be available in the classroom.

Q: What happens if I do not receive an email?

A: In the unlikely event that you do not receive the link via email, please call the contact number listed on the next page for assistance.



Facilitator

Anthony Smykla joined the CET Division on November 20, 2017. Anthony serves as an Industrial Hygienist in the Training and Consultation Program in eight Lower Michigan counties: Genesee, Huron, Lapeer, Livingston, Sanilac, Tuscola, Washtenaw, and Wayne. 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 currently sits on the Board of Directors of the Michigan Industrial Hygiene Society.

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 30, 2019
LOCATION: Washtenaw Community College
Morris J. Lawrence Bldg. ML 128
4800 East Huron River Drive
Ann Arbor, Michigan 48105
COST: \$120 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 by April 16, 2019
Please register early!
CONTACT: Neil Gudsen – 734-677-5296
Email: ngudsen@wccnet.edu

Inclement Weather Line: 734-677-5288

COSPONSOR: *Washtenaw Community College*

How to Register

Two Easy Ways to Register . . .

- ▶ **Mail:** *(Check or Money Order Only)*
Washtenaw Community College
Non-credit Registration or
Continuing Ed Registration
Student Records Office SC 203
4800 East Huron River Drive
Ann Arbor, MI 48105-4800
- ▶ **Web:** *(Credit Card Only)* -
<https://washtenaw.augusoft.net/>
Select: Workforce Development Classes
Enter: MIOSHA into Search Box (Top Corner)
Select: Human Factor Engineering
(FMA 4026)

Complete Separate Registration Form for Each Attendee

Name: _____
Company Name: _____
Address: _____
City: _____ State: ____ Zip: _____
Phone: _____
Fax: _____
Email Address: _____
Birth Date: _____ (Needed for Registration)

Please Make Check or Money Order Payable to:
Washtenaw Community College

The meeting site and parking is 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 Licensing and Regulatory Affairs is an equal opportunity employer/program.