



 DEKRA

# Management System Training

**September 2024**  
Course Catalog

# Contents

<b>About Us</b> .....	4
<b>Training</b> .....	5
<b>Quality Management</b>	
ISO 9001 .....	6
ISO 9001/IATF 16949 .....	9
AS9100 .....	10
AS13100 .....	11
AS9110 .....	12
ISO 13485 .....	13
ISO 14971 Overview .....	14
Medical Device Directive to Medical Device Regulation Overview .....	14
<b>Environmental &amp; Energy Management</b>	
ISO 14001 .....	15
ISO 50001 .....	18
<b>Occupational Health &amp; Safety</b>	
ISO 45001 .....	19
<b>Food Safety Management</b>	
FSSC 22000 .....	21
<b>Information Security Management</b>	
ISO 27001 .....	22
<b>Testing and Calibration Laboratories</b>	
ISO 17025 .....	24

<b>Auditing Skills</b>	
Documentation in ISO Standards .....	25
Root Cause & Corrective Action .....	25
<b>EV Safety</b>	
High-Voltage Safety Training for Electric Vehicles .....	26
<b>Process Safety Training</b>	
Combustible Dust Fundamentals .....	28
Flammable Liquids, Vapors and Gases .....	28
Hazardous Area Classification & Electrostatic Fundamentals .....	29
Process Safety Management (PSM) Fundamentals .....	29
Chemical Reaction Hazards .....	29
Emergency Relief Vent Sizing and Runaway Reactions . . .	30

## Hold a Private Training and Save!

Available at Your Location or Virtually

Do you need to train five or more people? Get the best value by holding a private course with our experienced instructors for as low as \$403 per person for 3-Day Internal Auditor training and \$620 for 4-Day Lead Auditor training.

We can present any course we offer, and we can even customize the content to your industry.

**Get a Quote Today!**

# Delivery Methods

## Virtual **V**

This is live, online training that combines our experienced instructors with the latest virtual learning methodologies to deliver an engaging, collaborative training experience from anywhere with an internet connection.

## Public **P**

This is live training held in cities across North America throughout the year and is open to the public. Our instructors share their knowledge and experience with you face-to-face, and you will take any required exams during the scheduled course.

## On-Site **S**

On-site courses are a practical and economical solution to training five or more people from your company. Our instructors can come to your location and present the course material exclusively to your employees, as well as proctor any exams.

## ***Save More with Special Discounts!***

### **Early Registration Discount**

Register at least 30 days before the public course begins and enjoy these discounts off each seat:

- Lead Auditor Courses** . . . . . \$150 off
- Internal Auditor Courses** . . . . . \$100 off
- All Other Courses** . . . . . \$50 off

### **Multiple Registration Discount**

Purchase multiple seats and save even more. Enjoy these discounts on top of the early registration discount:

- Lead Auditor Courses (6+ attendees)** . . . \$300 off
- Lead Auditor Courses (2-5 attendees)** . . . \$100 off
- Internal Auditor Courses** . . . . . \$100 off
- All Other Courses** . . . . . \$50 off

# About Us



**DEKRA Management Systems Training**, provides training in support of organizational improvement and implementation of international management system standards. We successfully participated in the RAB pilot project for ISO 9001 Lead Auditor Training in 1993 and the ISO 14001 Lead Auditor Training in 1996. **No organization has been doing RABQSA/ Exemplar Global Certified Lead Auditor Training longer.**

Established in 1989, we have grown to offer a full range of innovative training services to industry, government, non-profit, and service in areas of Quality, Environment, Energy, Food Safety, Occupational Health and Safety, and Information Security. Our full time staff and regional technical experts are fully qualified to provide the support you need.

## Our Qualifications

Our skill set includes trainers with technical expertise in:

- Manufacturing
- Risk Management
- Automotive
- Service
- Occupational Health and Safety
- Air Pollution
- Medical Device
- Resource Management
- Pollution Prevention
- Emergency Preparedness
- Food
- Government
- Aerospace
- Health Care
- Military
- HACCP
- Agribusiness
- Energy
- Business Continuity
- Energy Management

World  
Class  
Training

# Training

**DEKRA** is an Exemplar Global/Probitas Authentication-certified course provider offering a full array of ISO 9001, ISO 13485, AS9100, AS9110, ISO 14001, FSSC 22000, ISO 27001 and ISO 45001 courses including:

- ISO 9001 Foundations
- ISO 9001 Internal Auditor
- ISO 9001 Lead Auditor
- ISO 13485 Foundations
- ISO 13485 Internal Auditor
- ISO 13485 Lead Auditor
- ISO 14001 Foundations
- ISO 14001 Internal Auditor
- ISO 14001 Lead Auditor
- ISO 45001 Foundations
- ISO 45001 Internal Auditor
- ISO 45001 Lead Auditor
- FSSC 22000 Foundations
- FSSC 22000 Internal Auditor
- FSSC 22000 Lead Auditor
- ISO 27001 Foundations
- ISO 27001 Internal Auditor
- ISO 27001 Lead Auditor
- AS9100 Lead Auditor
- AS9100 Internal Auditor
- AS9110 Lead Auditor
- AS9110 Internal Auditor
- Competency Unit QM
- Competency Unit EM
- Competency Unit OH
- Competency Unit MD
- Competency Unit FS
- Competency Unit AU
- Competency Unit TL



Our ISO 9001 based courses are available with specific content for: AS9100, AS9110, ISO 13485, ISO/IATF 16949, ISO 17025, Food, Government, Service, Health Care, Military, and Agribusiness. Our ISO 14001 and ISO 45001 based courses can be customized with examples specific to your unique needs.

DEKRA also offers a series of courses designed to support implementation including:

- Executive Overview
- ISO 9001, ISO 13485, IATF 16949, AS9100, AS9110, AS9120, ISO 22301, FSSC 22000, ISO 14001, ISO 50001, ISO 27001, & ISO 45001 Internal Auditor – 2 and 3 day courses available
- Documentation – 1 and 2 day courses available
- Implementation – 1, 2, and 3 day courses available
- Integrated Auditing – QMS/EMS/EnMS/OHSMS
- Risk Identification & Management

All of our courses are available for presentation at your organization.  
Check out our website or call us for a public course schedule.



# Quality Management



## ISO 9001:2015 Certified Lead Auditor



4 Days (In-Person or Virtual) • 3.2 CTU's

Understand the requirements of ISO 9001:2015 to be able to conduct a successful audit. The course includes hands-on workshops to prepare you for real-life auditing situations. You'll learn to manage and lead the audit process and complete reporting.

TPECS Competency units QM, AU, TL

\$1895 Virtual / \$2095 In-Person



Manchester	September 9-12	Virtual	December 16-19
Virtual	September 23-26	Dallas	January 6-9
Santa Ana	October 7-10	Virtual	January 13-16
Virtual	October 21-24	Nashville	February 3-6
New Orleans	November 4-7	Virtual	February 10-13
Virtual	November 18-21	Seattle	March 10-13
Minneapolis	December 9-12	Virtual	March 17-20

# Quality Management

## ISO 9001:2015 Certified Internal Auditor



3 Days (In-Person or Virtual) • 2.4 CTU's

Understand the requirements of ISO 9001:2015 to be able to conduct a successful audit. The course includes hands-on workshops to prepare you for real-life auditing situations. You'll learn the internal audit process and complete reporting.

TPECS Competency units QM, AU

\$1345 Virtual / \$1445 In-Person



Manchester	September 9-11	Virtual	December 16-18
Virtual	September 23-25	Dallas	January 6-8
Santa Ana	October 7-9	Virtual	January 13-15
Virtual	October 21-23	Nashville	February 3-5
New Orleans	November 4-6	Virtual	February 10-12
Virtual	November 18-20	Seattle	March 10-12
Minneapolis	December 9-11	Virtual	March 17-19

# Quality Management

## ISO 9001:2015 Certified Foundations



2 Days (In-Person or Virtual) • 1.6 CTU's

Understand the requirements of the ISO 9001:2015 Quality Management System standard.

TPECS Competency unit QM

\$995 Virtual / \$1095 In-Person



Manchester	September 9-10	Virtual	December 16-17
Virtual	September 23-24	Dallas	January 6-7
Santa Ana	October 7-8	Virtual	January 13-14
Virtual	October 21-22	Nashville	February 3-4
New Orleans	November 4-5	Virtual	February 10-11
Virtual	November 18-19	Seattle	March 10-11
Minneapolis	December 9-10	Virtual	March 17-18



# Quality Management

## ISO 9001:2015 Certified Lead Auditor with Auto Industry Focus (IATF 16949)



5 Days (Virtual Only)

Understand the requirements of ISO 9001:2015 and IATF 16949 to be able to conduct a successful audit. The course includes hands-on workshops to prepare you for real-life auditing situations. You'll learn to manage and lead the audit process and complete reporting. Includes coverage of automotive core tools.

TPECS Competency units QM, AU, TL

\$2095 Virtual

Virtual      October 21-25

Virtual      December 16-20

Virtual      February 10-14



## ISO 9001:2015 Certified Internal Auditor with Auto Industry Focus (IATF 16949)



4 Days (Virtual Only)

Understand the requirements of ISO 9001:2015 and IATF 16949 to be able to conduct a successful audit. The course includes hands-on workshops to prepare you for real-life auditing situations. You'll learn to manage the internal audit process and complete reporting. Includes coverage of automotive core tools.

TPECS Competency units QM, AU

\$1545 Virtual

Virtual      October 21-23 & 25

Virtual      December 16-18 & 20

Virtual      February 10-12 & 14



# Quality Management

## AS9100 Rev. D Certified Lead Auditor



5 Days (In-Person or Virtual) • 4.0 CTU's

Learn how to conduct and lead audits in the aerospace industry and assess compliance with AS9100. Conduct practical audit exercises tailored to the aerospace industry in order to apply these requirements and manage the audit process.

\$1995 Virtual / \$2195 In-Person

Virtual	September 16-20
Santa Ana	October 14-18
Virtual	November 18-22
Virtual	December 9-11
Virtual	January 27-31
Seattle	February 24-28
Virtual	March 24-28



## AS9100 Rev. D Certified Internal Auditor



3 Days (In-Person or Virtual) • 2.4 CTU's

Learn how to conduct internal audits in the aerospace industry and assess compliance with AS9100. Conduct practical audit exercises tailored to the aerospace industry in order to apply these requirements and manage the audit process.

\$1445 Virtual / \$1545 In-Person

Virtual	September 16-18
Santa Ana	October 14-16
Virtual	November 18-20
Virtual	December 9-11
Virtual	January 27-29
Seattle	February 24-26
Virtual	March 24-26



## AS13100 Supplemental Training



3 Days (Virtual) • 2.4 CTU's

This course is for those in the aero-engine design and production supply chain who want to be able to interpret the requirements of the AS13100 standard, understand the application of the thirteen AESQ Reference Manuals and the recommended quality tools in them.

\$1445 Virtual

Virtual

December 16-18

### Description

This 3-day course focuses on the AS13100 requirements that are supplemental to those in the AS9100 standard. Therefore, experience with AS9100 is required. There are hands-on activities, discussions and exercises to practice using the Reference Manuals and the quality tools, forms, and checklists provided in them.

*\*All attendees are required to bring their own copy of the AS13100 standard.*

### Learning Objectives

- Understand the requirements and intent of AS13100.
- Determine the applicability of the AS13100 requirements according to supplier type.
- Identify the 13 AESQ Reference manuals that support the AS13100 standard.
- Analyze the use and applicability of the Reference Manuals.
- Understand the application of the quality tools in the Reference Manuals (8D, FMEA, MSA, Process Capability, APQP, PPAP, etc.).
- Understand and manage Human Factors in aviation safety

# Quality Management

## AS9110 Rev. C Certified Lead Auditor



5 Days (In-Person or Virtual) • 4.0 CTU's

Learn how to conduct and lead audits in the aerospace industry and assess compliance with AS9110. Conduct practical audit exercises tailored to the aerospace industry in order to apply these requirements and manage the audit process.

Virtual / In-Person

**This course is available for presentation at your facility or virtually for your staff.**



## AS9110 Rev. C Certified Internal Auditor



3 Days (In-Person or Virtual) • 2.4 CTU's

Learn how to conduct internal audits in the aerospace industry and assess compliance with AS9110. Conduct practical audit exercises tailored to the aerospace industry in order to apply these requirements and manage the audit process.

Virtual / In-Person

**This course is available for presentation at your facility or virtually for your staff.**



# Quality Management

## ISO 13485:2016 Certified Lead Auditor



4 Days (In-Person or Virtual) • 3.2 CTU's

Understand the requirements of ISO 13485:2016 to be able to conduct a successful audit. The course includes hands-on workshops to prepare you for real-life auditing situations. You'll learn to manage and lead the audit process and complete reporting. This course has been specifically designed to meet the needs of the Medical Device Industry.

TPECS Competency units MD, AU, TL

\$1995 Virtual / \$2195 In-Person



Minneapolis	September 16-19	Dallas	January 13-16
Virtual	October 14-17	Virtual	February 24-27
Virtual	November 18-21	Virtual	March 24-27
Virtual	December 16-19		

## ISO 13485:2016 Certified Internal Auditor



3 Days (In-Person or Virtual) • 2.4 CTU's

Understand the requirements of ISO 13485:2016 to be able to conduct a successful audit. The course includes hands-on workshops to prepare you for real-life auditing situations. You'll learn the internal audit process and complete reporting. This course has been specifically designed to meet the needs of the Medical Device Industry.

TPECS Competency units MD, AU

\$1445 Virtual / \$1545 In-Person



Minneapolis	September 16-18	Dallas	January 13-15
Virtual	October 14-16	Virtual	February 24-26
Virtual	November 18-20	Virtual	March 24-26
Virtual	December 16-18		

# Quality Management

## ISO 13485:2016 Certified Foundations



2 Days (In-Person or Virtual) • 1.6 CTU's

Understand the requirements of the ISO 13485:2016 Quality Management System standard.

TPECS Competency unit MD

\$1095 Virtual / \$1195 In-Person



Minneapolis	September 16-17
Virtual	October 14-15
Virtual	November 18-19
Virtual	December 16-17
Dallas	January 13-14
Virtual	February 24-25
Virtual	March 24-25

## ISO 14971 Overview



1 Day (In-Person or Virtual) • .8 CTU's

This course will provide an understanding of ISO 14971:2019 as well as its relationship to ISO 13485:2016 and TR 24971:2020.

**This course is available for presentation at your facility or virtually for your staff.**

## Medical Device Directive to Medical Device Regulation Overview



1 Day (In-Person or Virtual) • .7 CTU's

This course will provide authoritative overview of topics for medical device manufacturers transitioning from their existing Medical Device Directive (MDD) to the new Medical Device Regulations (MDR) to place their devices into the E.U. market.

**This course is available for presentation at your facility or virtually for your staff.**



# Environmental & Energy Management



## ISO 14001:2015 Certified Lead Auditor



4 Days (In-Person or Virtual) • 3.2 CTU's

Understand the requirements of ISO 14001:2015 to be able to conduct a successful audit. The course includes hands-on workshops to prepare you for real-life auditing situations. You'll learn to manage and lead the audit process and complete reporting.

TPECS Competency units EM, AU, TL

\$1895 Virtual / \$2095 In-Person



Manchester	September 9-12	Virtual	December 16-19
Virtual	September 23-26	Dallas	January 6-9
Santa Ana	October 7-10	Virtual	January 13-16
Virtual	October 21-24	Nashville	February 3-6
New Orleans	November 4-7	Virtual	February 10-13
Virtual	November 18-21	Seattle	March 10-13
Minneapolis	December 9-12	Virtual	March 17-20

# Environmental Management

## ISO 14001:2015 Certified Internal Auditor



3 Days (In-Person or Virtual) • 2.4 CTU's

Understand the requirements of ISO 14001:2015 to be able to conduct a successful audit. The course includes hands-on workshops to prepare you for real-life auditing situations. You'll learn the internal audit process and complete reporting.

TPECS Competency units EM, AU

\$1345 Virtual / \$1445 In-Person



Manchester	September 9-11	Virtual	December 16-18
Virtual	September 23-25	Dallas	January 6-8
Santa Ana	October 7-9	Virtual	January 13-15
Virtual	October 21-23	Nashville	February 3-5
New Orleans	November 4-6	Virtual	February 10-12
Virtual	November 18-20	Seattle	March 10-12
Minneapolis	December 9-11	Virtual	March 17-19

# Environmental Management

## ISO 14001:2015 Certified Foundations



2 Days (In-Person or Virtual) • 1.6 CTU's

Understand the requirements of the ISO 14001:2015 Environmental Management System standard.

TPECS Competency unit EM

\$995 Virtual / \$1095 In-Person



Manchester	September 9-10	Virtual	December 16-17
Virtual	September 23-24	Dallas	January 6-7
Santa Ana	October 7-8	Virtual	January 13-14
Virtual	October 21-22	Nashville	February 3-4
New Orleans	November 4-5	Virtual	February 10-11
Virtual	November 18-19	Seattle	March 10-11
Minneapolis	December 9-10	Virtual	March 17-18

# Energy Management

## ISO 50001:2018 Certified Lead Auditor



5 Days (Virtual) • 4.0 CTU's

This course is for those interested in learning more about ISO 50001, ISO 50001 internal first-party Auditors, ISO 50001 external second- and third-party Auditors, organizations undergoing a third-party audit to ISO 50001, and Energy Management System Management Reps.

### RTP ISO 50001 Foundations Training TPECS Competency units AU & TL

\$2095 Virtual / \$2295 In-Person



Santa Ana

October 21-25

Virtual

January 27-31



## ISO 50001:2018 Certified Internal Auditor



4 Days (Virtual) • 3.0 CTU's

Learn how to interpret the ISO 50001 requirements, how to analyze Energy audit findings, the roles and responsibilities of Energy auditors, and how to plan and conduct effective Energy Management audits.

### RTP ISO 50001 Foundations Training TPECS Competency unit AU

\$1545 Virtual / \$1645 In-Person



Santa Ana

October 21-24

Virtual

January 27-30

## ISO 50001:2018 Certified Foundations



3 Days (Virtual) • 2.4 CTU's

### RTP ISO 50001 Foundations Training

\$1195 Virtual / \$1295 In-Person



Santa Ana

October 21-23

Virtual

January 27-29

# Occupational Health & Safety



## ISO 45001:2018 Certified Lead Auditor



4 Days (In-Person or Virtual) • 3.2 CTU's

Understand the requirements of ISO 45001:2018 to be able to conduct a successful audit. The course includes hands-on workshops to prepare you for real-life auditing situations. You'll learn to lead manage the audit process and complete reporting.

TPECS Competency units OH, AU, TL

\$1895 Virtual / \$2095 In-Person



Minneapolis	September 16-19	Dallas	January 13-16
Virtual	October 14-17	Virtual	February 24-27
New Orleans	November 18-21	Virtual	March 24-27
Virtual	December 16-19		

# Occupational Health & Safety

## ISO 45001:2018 Certified Internal Auditor



3 Days (In-Person or Virtual) • 2.4 CTU's

Understand the requirements of ISO 45001:2018 to be able to conduct a successful audit. The course includes hands-on workshops to prepare you for real-life auditing situations. You'll learn the internal audit process and complete reporting.

TPECS Competency units OH, AU

\$1345 Virtual / \$1445 In-Person



Minneapolis	September 16-18	Dallas	January 13-15
Virtual	October 14-16	Virtual	February 24-26
New Orleans	November 18-20	Virtual	March 24-26
Virtual	December 16-18		

## ISO 45001:2018 Certified Foundations



2 Days (In-Person or Virtual) • 1.6 CTU's

Understand the requirements of the ISO 45001:2018 Health and Safety Management System standard.

TPECS Competency unit OH

\$995 Virtual / \$1095 In-Person



Minneapolis	September 16-17	Dallas	January 13-14
Virtual	October 14-15	Virtual	February 24-25
New Orleans	November 18-19	Virtual	March 24-25
Virtual	December 16-17		



# Food Safety Management



## FSSC 22000 Certified Lead Auditor



5 Days (In-Person or Virtual) • 4.0 CTU's

This course is for those responsible for implementing or maintaining the FSSC 22000 food safety management system (ISO 22000 + ISO 22002 + ISO 22003), those responsible to help develop, implement, or maintain food safety plans (PRPs, OPRPs, and HACCP CCPs), and those who are Food Safety Managers, HACCP Team Members, Internal Audit Team Members, Auditors of Suppliers, Certified Body Auditors, Quality Assurance Managers, or anyone desiring an in-depth understanding of the FSSC 22000 food safety system certification requirements.

### TPECS Competency units FS, AU, TL

\$2095 Virtual / \$2295 In-Person

Virtual	September 16-20
Santa Ana	October 21-25
Virtual	November 18-22
Virtual	December 2-6
New Orleans	January 27-31
Virtual	February 24-28
Virtual	March 24-28



## FSSC 22000 Certified Internal Auditor



4 Days (In-Person or Virtual) • 3.2 CTU's

Understand the requirements of FSSC 22000 to be able to conduct a successful audit. The course includes hands-on workshops to prepare you for real-life auditing situations. You'll learn to manage the audit process and complete reporting.

### TPECS Competency units FS, AU

\$1545 Virtual / \$1645 In-Person

Virtual	September 16-19
Santa Ana	October 21-24
Virtual	November 18-21
Virtual	December 2-5
New Orleans	January 27-30
Virtual	February 24-27
Virtual	March 24-27

## FSSC 22000 Certified Foundations



3 Days (In-Person or Virtual)

• 2.0 CTU's

Understand the requirements of the FSSC 22000 Food Safety Management System standard.

### TPECS Competency units FS

\$1195 Virtual / \$1295 In-Person

Virtual	September 16-18
Santa Ana	October 21-23
Virtual	November 18-20
Virtual	December 2-4
New Orleans	January 27-29
Virtual	February 24-26
Virtual	March 24-26

# Information Security Management



## ISO 27001:2022 Certified Lead Auditor



4 Days (Virtual) • 3.2 CTU's

This course is for those responsible for planning and scheduling an internal audit program for ISO 27001:2020 and those who must perform audits to ISO 27001:2020, Management Representatives, Security Consultants, IT Professionals, Information Security Officers, Managers, or anyone interested in conducting first-party, second-party, or third-party audits.



TPECS Competency units IS, AU, TL

\$2095 Virtual

Virtual      October 14-17

Virtual      January 27-30

# Information Security

## ISO 27001:2022 Certified Internal Auditor



3 Days (Virtual) • 2.4 CTU's

Understand the requirements of ISO 27001:2020 to be able to conduct a successful internal audit. The course includes hands-on workshops to prepare you for real-life auditing situations. You'll learn to manage the audit process and complete reporting.

### TPECS Competency units IS, AU

\$1545 Virtual



Virtual    October 14-16

Virtual    January 27-29

## ISO 27001:2022 Certified Foundations



2 Days (Virtual) • 1.6 CTU's

Understand the requirements of the ISO 27001:2020 Information Security Management System standard.

### TPECS Competency unit IS

\$1195 Virtual



Virtual    October 14-15

Virtual    January 27-28

# Testing and Calibration Laboratories

## ISO 17025:2017 Certified Lead Auditor



4 Days (In-Person or Virtual) • 3.2 CTU's

This course is for those who want an in depth understanding of ISO 17025. Those who want to understand the audit process (ISO 19011), as well as how to prepare audit reports and presenting audit findings. You'll learn how to manage and lead an audit and manage an audit team.

RTP ISO 17025 Foundations Training  
TPECS Competency units AU & TL



\$2095 Virtual

Virtual November 18-21

## ISO 17025:2017 Certified Internal Auditor



3 Days (In-Person or Virtual) • 2.4 CTU's

This course is for those who want an in depth understanding of ISO 17025. Those who want to understand the audit process (ISO 19011), as well as how to prepare audit reports and presenting audit findings.

RTP ISO 17025 Foundations Training  
TPECS Competency units AU



\$1545 Virtual

Virtual November 18-20

## ISO 17025:2017 Certified Foundations



2 Days (In-Person or Virtual) • 1.6 CTU's

This course is for those who want an in depth understanding of ISO 17025 and for those responsible for implementing or maintaining and ISO 17025 management system.

RTP ISO 17025 Foundations Training



\$1195 Virtual

Virtual November 18-19

# Auditing Skills



## Documentation in ISO Standards



2 Days (In-Person or Virtual) • 1.6 CTU's

This course places documentation in its proper place as one of many tools used by organizations to assure results. People attending this course will understand and apply their newly acquired skills to determine when a traditional document is needed, alternatives to traditional documentation that may achieve better results, and how to configure documentation to meet the unique needs of the situation to be managed and the users.



**This course is available for presentation at your facility or virtually for your staff.**

## Root Cause and Corrective Action



2 Days (In-Person or Virtual) • 1.6 CTU's

The purpose of this training is to explore the paths and tools available once a decision has been made to take action: either a correction to fix the problem or a corrective action to fix the cause(s) or root cause(s) of the problem.



**This course is available for presentation at your facility or virtually for your staff.**



# EV Safety



## High-Voltage Safety Training for Electric Vehicles



### Safety Training for the Future of Mobility

Is your team prepared for the future of mobility? By 2030, electric vehicles are projected to account for 32% of the U.S. automotive market, growing to 45% by 2035. That growth means each member of your team needs to understand how to safely handle high-voltage systems and components. As a leader in safety, DEKRA offers comprehensive, flexible training for high-voltage automotive safety, with options to fit varied audiences, organizations, and learning styles.

### Who should take High-Voltage Safety Training for Electric Vehicles?

Beyond technicians, this training is important for a wide range of roles. This includes managers, supervisors, office staff, and support personnel in service and collision repair facilities. Insurance customer-support representatives should also understand how to handle customer inquiries related to hybrid and electric vehicle (EV) accidents and malfunctions.



## What industries need High-Voltage Safety Training for Electric Vehicles?

Automotive manufacturers, battery recyclers, EV battery technicians, EV device manufacturers and suppliers, and insurers can all benefit from high-voltage safety training. DEKRA training covers practical topics, such as:

- Identifying and locating high-voltage components
- How to work safely near high-voltage components
- How to determine whether a vehicle is de-energized
- De-energizing procedures
- Appropriate safety equipment and personal protective equipment
- First aid and emergency procedures



phone 1-800-633-2588    web [dekra.us/training](https://www.dekra.us/training)

## What options are available for High-Voltage Safety Training for Electric Vehicles?

### High Voltage Safety e-Learning

- Online, on demand
- 60 competency modules
- Flexible subscription-based model
- Interactive format
- Available in English, Spanish, Italian, and German
- Access to a database of manufacturer information for all EVs

### Digital learning options

### Safety Fundamentals for Electric Vehicles

- 2-day, face-to-face, instructor-led course
- High-voltage safety training for EVs
- Features principles of electricity and safety illustrated with passenger vehicles

### Contact us for details on a private training session

### Private and Custom Classes

- Customized to meet your vehicles, specifications, or requirements
- Ability to combine in-person, virtual, and e-learning
- Designed and led by an automotive expert with extensive experience in high-voltage systems
- Based on the latest EV technology standards

### Contact us to learn more

# Process Safety Training



## Combustible Dust Fundamentals (NFPA 652)



2 Days (4, Half Day Sessions, Virtual)

NFPA 652 is the “On Ramp” to combustible dust requirements contained in the various NFPA Codes. It contains mandatory requirements for the management of the fire, flash fire, and explosion hazards posed by combustible dusts. Although this standard provides some flexibility in approaches for ensuring the safety of the occupants, facility, processes and equipment, some of the requirements must be complied with retroactively. Successful completion of the class with the quiz results in receiving a Dust Hazard Analysis (DHA) Leader certificate.

Virtual    October 7-10

Virtual    December 9-12

Virtual    February 10-13

\$895 Virtual / \$995 In-Person / Bundle: \$1195    (See page 28 for bundle options)

## Flammable Liquids, Vapors and Gases



1 Day (2, Half Day Sessions, Virtual)

This course provides the knowledge and skills to identify, mitigate and protect against the hazards associated with flammable liquids, vapors and gases. The first day will encompass a detailed overview of the fundamentals of flammability, test methods and interpretation, electrostatic hazards and area classification, and relevant compliance standards, codes, and regulations. The second day will cover mitigation and protection strategies for handling, storing, and processing of flammable materials.

\$895 / Bundle: \$1195    (See page 28 for bundle options)

Virtual    November 4-5

Virtual    March 10-11

Virtual    January 13-14

# Process Safety Training

## Hazardous Area Classification & Electrostatics Fundamentals

Offered as a bundle with Combustible Dust Fundamentals or Flammable Liquids, Vapors & Gas



This course will provide a systematic approach to identify, evaluate and control electrical ignition and electrostatic hazards. Attend this course to learn how to conduct an Electrical Classification study, learn how to evaluate ignition sources caused by mechanical equipment and electrostatic sources, and specify appropriate (electrical) equipment in the hazardous areas. The course covers aspects of NFPA 497 (Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas) and NFPA 499 (Classification of Combustible Dusts and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas).

\$1195 Virtual

Virtual	September 16-18	Flammable Liquids Vapors and Gases + Hazardous Area Fundamentals
Virtual	October 7-11	Combustible Dust Fundamentals + Hazard Area Fundamentals
Virtual	November 4-6	Flammable Liquids Vapors and Gases + Hazardous Area Fundamentals
Virtual	December 9-13	Combustible Dust Fundamentals + Hazard Area Fundamentals
Virtual	January 13-15	Flammable Liquids Vapors and Gases + Hazardous Area Fundamentals
Virtual	February 10-14	Combustible Dust Fundamentals + Hazard Area Fundamentals
Virtual	March 10-12	Flammable Liquids Vapors and Gases + Hazardous Area Fundamentals

## Process Safety Management (PSM) Fundamentals



2 Days (4, Half Day Sessions, Virtual)

This course will identify and help you to understand the fundamental Process Safety Management (PSM), a subset of a Safety Management System (SMS) which relates principally to Major Hazards (Fire, Explosion, Runaway Reaction, Toxic Release) with adverse consequences on human, environment & business loss. The goal of a sound PSM program is to ensure that process facilities handling highly hazardous materials operate safely. This course provides an introduction into Process Safety Management which includes the history with case studies and regulatory guidance. It will provide a review of the two main PSM models: 14 elements outlined by US OSHA PSM and the 20-element approach of the Center for Chemical Process Safety (CCPS). Practical recommendations for how to implement process safety program elements will be discussed throughout the course.

\$895 Virtual

Virtual November 18-21

Virtual February 24-27

## Chemical Reaction Hazards



1 Day (2, 1/2 Day Sessions, Virtual)

Chemical reactions are used daily throughout the world to produce a variety of products. Under the right conditions, however, a reaction that has been conducted safely thousands of times can cause a catastrophic event due to unforeseen events or potential consequences. This course will teach you how to evaluate the risks of your chemical reactions to determine the worst-case consequences, design a safe scale-up process, and develop appropriate safeguards for each step in the scale-up process.

\$895 Virtual

Virtual November 18-19

Virtual March 24-25

# Process Safety Training

## Emergency Relief Vent Sizing and Runaway Reactions



### 5 Days Virtual

This course is designed to cover the major aspects of safety relief systems sizing for single and multi-phase flow arising from loss of control of an exothermic chemical process. The course concentrates on the quantification and sizing of emergency vent systems for runaway reactions using experimental data derived from laboratory investigations. Emphasis is on the identification of the failure scenario and application of the appropriate calculation techniques required to arrive at correct system dimensions.

**This course is available for presentation  
at your facility or virtually for your staff.**