



**ENGINEERING
DYNAMICS
COMPANY**

**574-E Ritchie Hwy #128
Severna Park, MD 21146 USA**

EDC SIMULATIONS

**ACCIDENT RECONSTRUCTION TRAINING COURSE
January 13-17, 2025 • Virtual Course**



REGISTRATION FORM – EDC SIMULATIONS TRAINING COURSE

January 13-17, 2025 • Virtual Course

Complete the registration form below and return it to EDC. You may also register directly over the phone or by email to the contact information provided below.

Name: _____

Company: _____

Mailing Address: _____

Phone: _____

Email: _____

For course planning purposes, please indicate your experience using

EDSMAC, EDSVS, & EDVTS:

- This Will Be My First Time
- I Have Some Experience
- I Use It All The Time

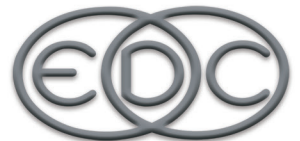
Price: \$895.00

Payment Method:

- Please Send An Invoice For Payment
- Payment by Check Enclosed

Please Charge My:

- Visa
- MasterCard
- American Express



KNOWLEDGE = POWER

Account #: _____

Exp.Date: _____ CV# _____

Signature: _____

Mail or email your completed Registration Form to:

Engineering Dynamics Company, LLC • 574-E Ritchie Hwy #128 • Severna Park, MD 21146 USA

Phone: 503.644.4500 Email: training@edccorp.com Website: www.edccorp.com

PLEASE CONTACT EDC CUSTOMER SERVICE IF YOU HAVE ANY QUESTIONS ABOUT THIS 5-DAY TRAINING COURSE.

EDC ACCIDENT RECONSTRUCTION TRAINING COURSE

DESCRIPTION

This one week course provides the necessary coverage of key concepts to reinforce your understanding of how the *EDSMAC*, *EDSMAC4*, *EDSVS* and *EDVTS* programs work. EDC Simulations offers the fastest way to learn what you really need to know – how to use the programs and get the right results.

All necessary course materials, including a handbook and training manual, software and temporary licenses will be provided. You will need to bring your own laptop computer, so that you can install the software and gain hands-on, practical experience using *EDSMAC*, *EDSMAC4*, *EDSVS* and *EDVTS* to simulate a crash.

WHO SHOULD ATTEND

Students who benefit the most from attending this course will typically have:

- A technical background in engineering or physics.
- Experience as an accident investigator.
- A strong desire to improve their accident investigation skills.

If you use or are thinking about using EDC accident simulation software in your work, you should attend this course!

COURSE OVERVIEW

EDC Simulations combines morning lecture sessions with afternoon computer labs. Here is the typical course syllabus:

Monday	Course Introduction Anatomy of a Simulation History & Application of Simulations Review of Coordinate Systems, CDC and Delta-V Vehicle Dynamics Short Course High-level HVE Execution Environment Overview Driver Input Tables Estimating Initial Conditions Demonstration: Program Input, Output, & Graphics
Tuesday	Tire Models Collision Models Lab Exercise #1 - <i>EDSVS</i> Lab Exercise #2 - <i>EDSVS</i> Lab Exercise #3 - <i>EDVTS</i>
Wednesday	Numerical Integration <i>EDSVS</i> / <i>EDVTS</i> Calculation Procedures Lab Exercise #4 – <i>EDSMAC</i> / <i>EDSMAC4</i> Lab Exercise #5 – <i>EDSMAC</i> / <i>EDSMAC4</i>
Thursday	<i>EDSMAC</i> / <i>EDSMAC4</i> Calculation Procedures Lab Exercise #6 – <i>EDSMAC</i> / <i>EDSMAC4</i> Lab Exercise #7 – <i>EDSMAC</i> / <i>EDSMAC4</i> Review Session
Friday	Open Book Examination Post Examination Review

COURSE BENEFITS

Professional training provided by EDC maximizes your return on investment in your *HVE*, *HVE-2D* or *HVE-CSI* software. In this course you will learn to:

- Use the integrated structure shared by all EDC physics programs.
- Collect the input data required to effectively use *EDSMAC*, *EDSMAC4*, *EDSVS*, & *EDVTS*.
- Analyze your accident thoroughly.
- Properly apply your *EDSMAC*, *EDSMAC4*, *EDSVS*, & *EDVTS* programs to your real-world cases.
- Understand results and diagnostic messages produced by *EDSMAC*, *EDSMAC4*, *EDSVS*, & *EDVTS*.
- Develop professional presentations of your analysis and conclusions.
- Present your results with confidence.
- Explain your results in court.

To provide a comfortable learning environment and to promote active participation, class sizes are limited to 20 students.

Course attendees are eligible for 30 ACTAR credits.

ABOUT THE INSTRUCTOR

Terry D. Day, P.E., former president of Engineering Dynamics Corporation, received his Masters Degree from the University of Michigan and studied under researchers at the Highway Safety Research Institute. He is the author of numerous technical papers focused on the use of computers in crash reconstruction.

As an engineering consultant, Mr. Day has been actively involved in motor vehicle safety for over 35 years. He has also been a guest instructor for over 10 years at Northwestern University's Traffic Institute. Mr. Day is directly involved in the development of all EDC reconstruction and simulation software.

