

Traffic Accident Reconstruction

Presented by Rudy Degger and hosted by Santa Maria Police
Department November 30 - December 11, 2020
POST Course Control No. 1122-33672-20-001



Student Case Studies



DESCRIPTION

- ◆ Speed of vehicles at impact using conservation of linear momentum
- ◆ Integration of EDR / airbag control module data
- ◆ Trigonometry in Crash Reconstruction
- ◆ Energy and damage calculations & application of Delta-V
- ◆ Occupant kinetics: Who was driving
- ◆ Time-distance and basic motion calculations
- ◆ Projectile motion calculations
- ◆ Determine direction of travel, initial contact and maximum engagement
- ◆ Calculate POST impact speed using spin analysis
- ◆ Behavior of vehicles in a crash using Newton's laws of motion
- ◆ Motorcycles: Braking capabilities, rider vault & speed from damage
- ◆ Heavy trucks: Braking capabilities, roll-over problems & speed estimates
- ◆ Driver perception & response time (PRT)

PREREQUISITE

Successful completion of *Advanced Accident Investigation* or similar class.
Students should have a good working knowledge of basic algebra.

INSTRUCTOR: Rudy Degger, ACTAR

STUDENTS MUST TO BRING A LAPTOP COMPUTER.

DATE: Nov. 30 - Dec. 11, 2020 (80 hour class)

TIME: Monday through Friday 8:00 a.m. - 5:00 p.m.

LOCATION: Santa Maria Police Department
1111 W. Betteravia
Santa Maria, CA 93455

***TO REGISTER:**

Complete the attached registration form. Fax, mail or
Email it along with your payment payable to We.C.A.R.E.

FAX: 530-836-1673

Phone: 530-836-1654

Email: wecare4recon@gmail.com

TUITION - Payable to WeCARE

\$850.00 paid on or before 10/30/2020

\$900.00 paid after 10/30/2020

\$950.00 paid after 11/13/2020

Checks payable to WeCARE, MC, VISA, AMEX accepted.

Please review our cancellation policy.

Police Department Contacts:

(not for registration)

Primary Contact:

Chrissy Alvarez,
Training Manager
805-928-3781 x2144
calvarez@cityofsantamaria.org

Secondary Contact:

Sgt. Daniel Rios, SMPD
805-928-3781 x1307
drios@cityofsantamaria.org

near-by Hotels:

Radisson Hotel Santa Maria Airport
805-928-8000 or 1800-395-7046
3455 Skyway Drive, SM, CA
*ask for gov.rate
Closest hotel to the department

Santa Maria Inn
805-928-777 or 1800462-4276
801 South Broadway, SM, CA
ask for gov. rate

Holiday Inn Hotel & Suites
805-928-6000 * 2100 N. Broadway, SM, CA
*ask for State Gov. Rate



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www.rudydegger.com

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How To register:

- 1) Please use one registration form per student. Please print or type COMPLETE information.
- 2) Payments may be combined for more than one student per department.
- 3) Early registration and payment deadline is 10/19/2018
- 4) If paying by P.O. or Credit Card, **FAX** or **Email** this form with your P.O. or credit card information to We.C.A.R.E. Fax: **530-836-1673** Email: **wecare4recon@gmail.com**
- 5) If paying by check, mail this form along with your payment (payable to WeCARE) to **WeCARE, PO Box 1647, Graeagle, CA 96103.**

STUDENT MUST BRING A LAPTOP COMPUTER. POWERPOINT & HANDOUTS ARE PROVIDED AS PDF FILES ON A THUMB DRIVE. THE LAPTOP MUST HAVE MICROSOFT EXCEL INSTALLED. BASIC INSTRUCTION FOR BUILDING & USING SPREADSHEETS TO MAKE CALCULATIONS IN-CLASS, IS A PART OF THE COURSE CURRICULUM.

STUDENT INFORMATION:

Student Name: _____

POST ID #: _____

Department: _____

Contact Phone: _____

Student E-mail: _____

Training Manager E-mail: _____

Registration Options:

\$850.00 paid before 10/30/20 **

\$900.00 paid after 10/30/20

\$950.00 paid after 11/13/20

***Cancellation Policy: If you cancel before 10/30/20 tuition will be refunded less \$50 for processing. Cancellation after 10/30/20 there is no refund. Agencies may substitute a student for this class, or the tuition may be applied to a future TAR class.*

PAYMENT METHOD: Check # _____ PO # _____

Credit Card..... VISA MC AMEX

Card # _____ Exp. Date: _____ Security Code _____

Email Receipt To: _____

Name on Credit Card: _____ Contact Phone: _____

Credit Card Billing Address: _____ Zip: _____

For Wecare administration only: received _____ confirmed _____ paid _____ receipt # _____