

# COLLISION RECONSTRUCTION TRAINING COURSE



This is a 20 hour collision investigation syllabus. Based on 4 hours Friday night, Saturday 8 hours and Sunday 8 hours.

**Series of Events:**

This is a complete breakdown of events leading up to the collision and from the collision to the final resting positions of the involved vehicles and or occupants and pedestrians.

This gives the investigator the knowledge required to determine a possible point of perception of all involved and to document and measure the distances from this point to the final rest position of all involved.

- Point of possible perception
- Point of actual perception
- Perception delay
- Perception distance
- Reaction
- Reaction delay
- Reaction distance
- Reaction time

Evasive action  
Evasive action distance  
Point of no escape  
Encroachment  
Point of impact  
Disengagement  
Secondary contacts  
Final rest positions

### **Physical Evidence**

On roadway (evidence on/near the roadway, final rest positions, tire marks, tire prints, skid marks and interpretations)  
On roadway objects  
On vehicles (contact and induced damage)  
On persons (Kinetics)

### **Speed Determination**

Measurements, calculations, time distance, minimum and maximum speeds, co-efficient of friction.

### **Conditions**

Weather  
Roadway and Roadside  
Vehicle  
Driver and Pedestrian

### **Lamp and Seatbelt Examinations**

Hot shock  
Cold shock  
Burn out  
Seatbelts

