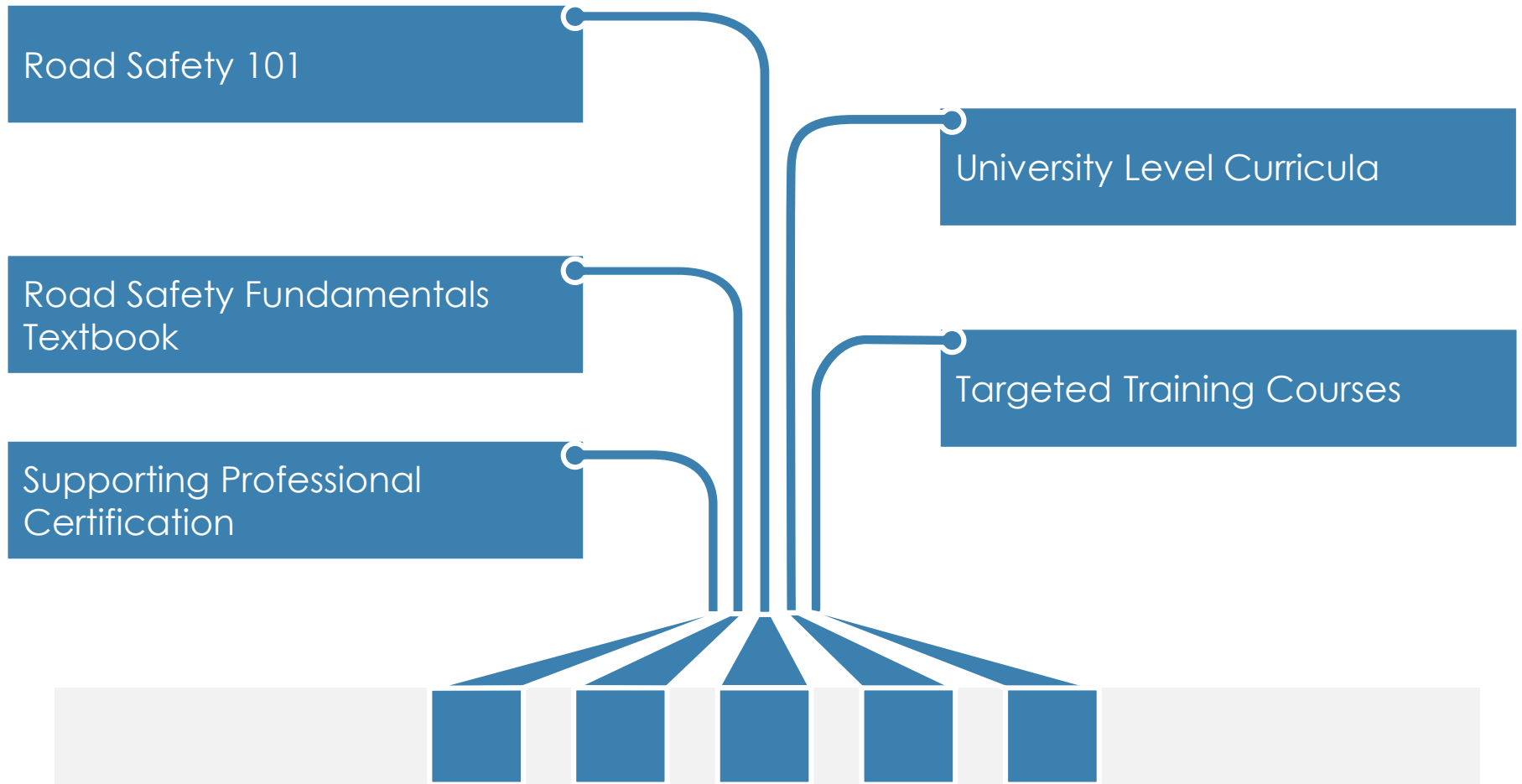


# Road Safety Learning Resources

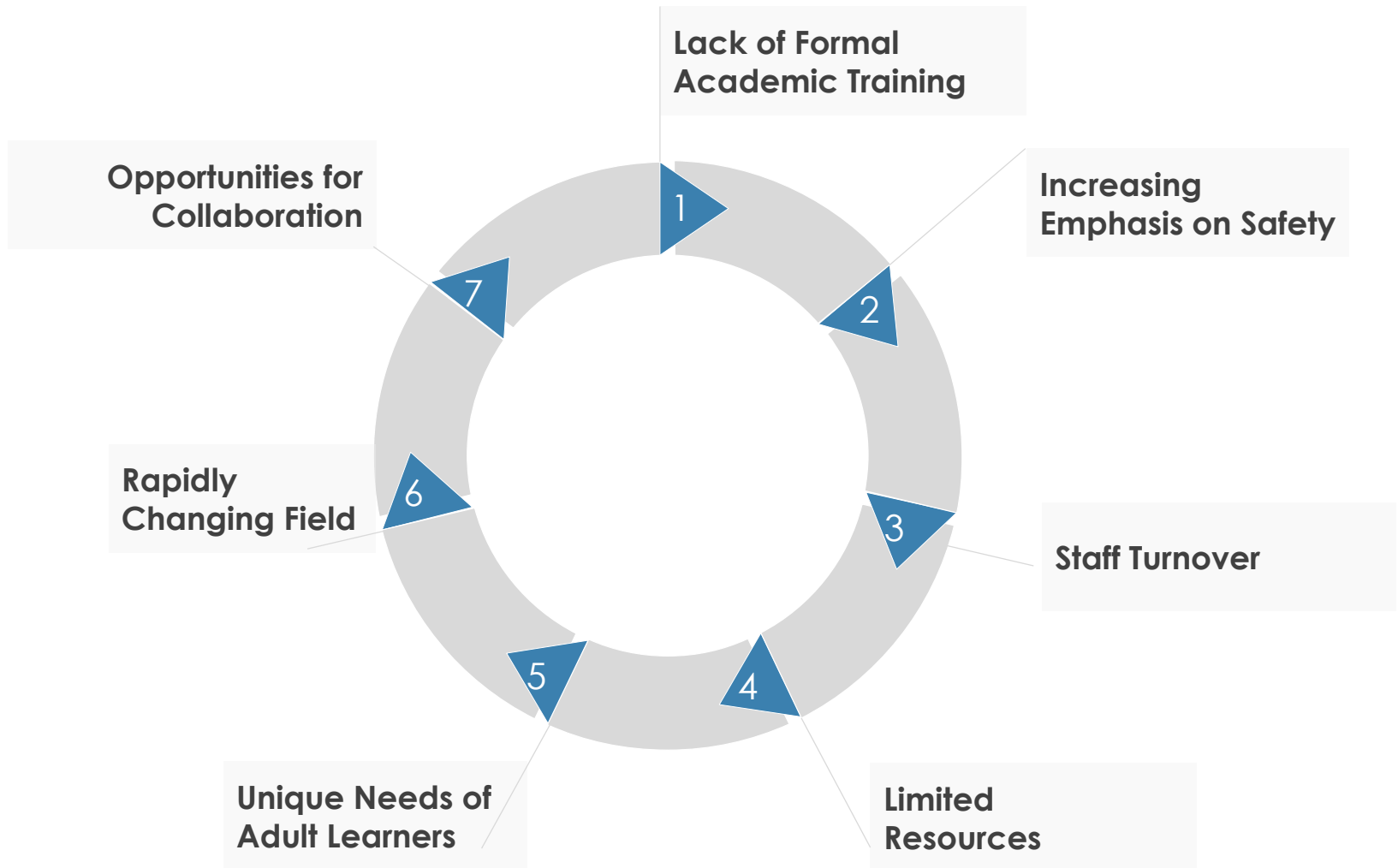
**David Harkey**

Highway Safety Research Center  
University of North Carolina

# Road Safety Training at HSRC



# Need for Road Safety Training



# Course Delivery Formats

In-Person

Live, instructor-led training courses

Majority of existing road safety training offerings

Online

Courses are beginning to move into a virtual environment

Two types:

- Synchronous
- Asynchronous

Blended

Combination of two or more formats

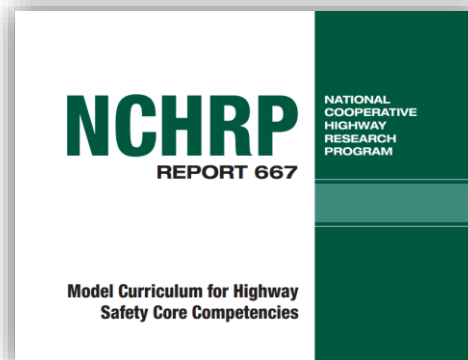
Enhanced engagement and interactivity

# About Road Safety 101

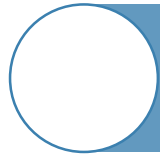
Road Safety 101 is an **interactive online certificate** course designed to teach the fundamentals of road safety to a **broad and diverse audience** of transportation professionals – from researchers and policy makers to engineers, planners, and law enforcement professionals.

After completing the course, participants will

- ✓ understand the elements of successful road safety programs,
- ✓ identify contributing crash factors and how they interact, and
- ✓ develop a more complete understanding of road safety data collection, analysis, and evaluation.

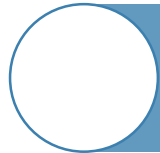


# Core Areas of Road Safety Knowledge



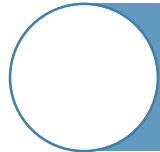
**Foundations of Road Safety**

**Framework and context for discussing road users, safety partners and strategies**



**Human Behavior and Road Safety**

**The complexity of road user decision making and its impact on safety**



**Measuring Safety**

**Exploring sources of safety data and methods to measure and track safety performance**



**Solving Safety Problems**






**How to identify and understand safety problems, treat them, and evaluate impacts**



**Implementing Safety Programs**

**Developing and implementing comprehensive road safety programs**

# Current Landscape of Road Safety Training

	Basic	Advanced	Expert
 Foundations of Road Safety	●	○	n/a
 Human Behavior and Road Safety	●	◐	○
 Measuring Safety	●	○	◐
 Solving Safety Problems	●	◐	◐
 Implementing Safety Programs	●	○	○

# Road Safety Fundamentals Textbook

- FHWA Office of Safety
- HSIS/HSRC multidisciplinary team
- Fall 2017 Release



## UNIT 1 Foundations of Road Safety

### LEARNING OBJECTIVES

After reading the chapters and completing exercises in Unit 1, the reader will be able to:

- **DESCRIBE** the importance of road safety and how it relates to public health, economic, environmental and demographic trends
- **RECOGNIZE** roles and responsibilities of various disciplines and approaches to improving road safety
- **DISTINGUISH** between nominal and substantive safety
- **IDENTIFY** key points in the history of road safety in the U.S., including key legislation and agency formation, and understand how these decisions have shaped today's roadways
- **IDENTIFY** different groups of road users and challenges unique to each group



# National Zero Initiatives: Update

- ITE Vision Zero
  - Safety Resources Toolbox  
(<http://www.ite.org/visionzero/toolbox/default2.aspx>)
- Road to Zero Coalition
  - USDOT/National Safety Council
  - 30-yr scenario analysis
- Toward Zero Deaths
  - TRB Subcommittee (research needs)
- Vision Zero for Youth
  - FIA Foundation
  - Building on SRTS knowledge