



# Lifesavers 2016

## *BikeSafe NC*

Craig Moss

North Carolina Governor's Highway Safety



# *Motorcycles in North Carolina Laws*

Universal Helmet Law Since 1968

GS 20-140.4 (2009) – MC or Moped

Cannot exceed # of passengers designed to carry.

Federal Motor Vehicle Safety Standard (FMVSS) 218 required,  
strap properly secured

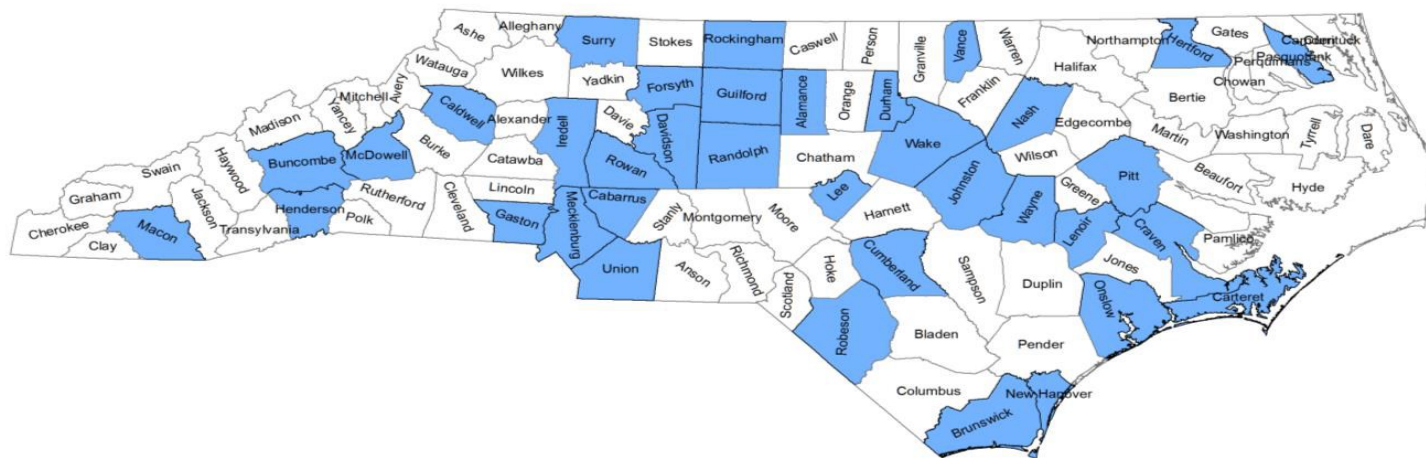
January 1, 2011 (G.S. 20-7 (a1)(a2))

Rider education course mandatory for riders under the age of 18 in order to receive a motorcycle permit/endorsement. Also, riders under the age of 18, or with a motorcycle permit, may not operate a motorcycle with a passenger.



# Motorcycles in North Carolina - Rider Training

- North Carolina Motorcycle Safety Education Program
- Motorcycle Safety Foundation Courses
- Basic, Experienced & Advanced Rider (Trike)
- 2015 -5,595 students attended a MSF course
- Harley Davidson Riders Edge
- 2015 – 1,764 students attended



# *Motorcycles in North Carolina*

In 2014 there were 193,643 Registered Motorcycles

In 2014 there were 144 motorcycle fatalities

Motorcycle fatalities have been gradually increasing since 2004;

Motorcyclists currently account for 15% of all traffic fatalities,

Motorcycle crashes increased from 3,082 in 2004 to 3,827 in 2014

Male riders 41+ accounted for 39% of the motorcycle fatalities in 2014.

Male riders 15-40 accounted for 52% of the motorcycle fatalities in 2014.

Alcohol use was suspected in 8% of all motorcyclist crashes in 2014 – more than twice the rate of alcohol involvement in crashes involving passenger vehicles.



# *Bikesafe North Carolina*



# *BikeSafe NC*

BikeSafe NC invites motorcyclists to participate in Free Rider Skills Days that offer assessment on present skills and advice from motor officers to help make riding in North Carolina safer and more enjoyable.

As well as professional riding techniques, topics covered include the system of motorcycle control and collision causation factors.

The Rider Skills Days are conducted during the week and weekends by highly qualified officers. The day includes both classroom based advice and on-road ride-outs.





# *BikeSafe North Carolina*

## A Proven System

Modeled after BikeSafe London,

Originated in London in 2003

In seven years Fatalities decreased by 56%

Serious injuries decreased by 46%

	2003	2006	2010
<b>FATAL</b>	63	43	28
<b>SERIOUS</b>	1079	797	587
<b>SLIGHT</b>	5246	3746	3722





Sponsored by the Governor's Highway Safety Program in partnership with local law enforcement agencies.

BikeSafe NC Program was piloted in 2007-2008 in Wake County and has since grown to 47 Host agencies & 175 Assesors across the state. .

The training is conducted by law enforcement motor officers in a non-threatening, non-enforcement environment.

Students are typically experienced riders that are interested in improving their riding skills.







## Daily Agenda

8:45 a.m. - Morning classroom session

11:15 a.m. - Short Ride (drivers are paired with assessors and drive a specified course for around 45 minutes)

12:00 - Break for lunch 1:00 p.m. - Afternoon classroom session

2:45 p.m. - Long Ride (drivers are paired with assessors and drive a specified course for around 1:15 minutes)

4:00 p.m. - Final classroom session involving feedback from motor officers

4:30 p.m. - Class concludes





# *Morning classroom session*

## Collisions

Collision Causation Factors

Top Causes

Types of Rider Error

Road Surface Hazards

Collision Investigations

Case Studies





# *Rider Behavior*



- Bad Rider Behavior
- Risk Taking
- What to look for in others
  
- Good Rider Behavior
- Mentally/Physically Prepared
- No Drugs/Alcohol
  
- Have a Plan/Be Observant
- Riding Gear
- Be Prepared



# *BikeSafe Inspection*





# *1st Observed Ride*





# *Afternoon Class Room*

## **System of Motorcycle Control**

What makes a good rider?

Identifying hazards

Braking

Observation skills

Control & cornering

Positioning

Passing/overtaking

## **Formation Riding**

Single, Staggered, Two Abreast





# 2nd Observed Ride







# *Student Demographics*



- 2010 – 30 Students
- 2011 – 202 Students
- 2012 – 418 Students
- 2013 – 475 Students
- 2014 – 435 Students
- 2015 – 695 Students



# Student Demographics

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## Student Demographics

Start Date

End Date

Age	#	%
NA	52	2.2 %
16 to 24	130	5.6 %
25 to 34	316	13.7 %
35 to 44	410	17.7 %
45 to 54	667	28.8 %
55 and older	739	31.9 %
<b>Total</b>	<b>2314</b>	<b>99.9 %</b>

Motorcycle Type	#	%
Cruiser	805	34.8 %
Dual Purpose	147	6.4 %
Scooter	22	1.0 %
Sport Bike	298	12.9 %
Sport Touring	302	13.1 %
Standard Bike	132	5.7 %
Touring	608	26.3 %
<b>Total</b>	<b>2314</b>	<b>100.2 %</b>

Years Exp.	#	%
0	111	4.8 %
1	218	9.4 %
2	159	6.9 %
3	149	6.4 %
4	107	4.6 %
5	161	7.0 %
6	88	3.8 %
7	76	3.3 %
8	59	2.5 %
9	37	1.6 %
10	112	4.8 %
More than 10	1037	44.8 %
<b>Total</b>	<b>2314</b>	<b>99.9 %</b>



# *What Students Have to Say*



## Post-Class Questionnaire

- Course was worth attending = 95%
- I will take further training as a result of today = 89%
- Riding improved on the 2nd ride after the “System” presentation = 92%

## • 6-Month Follow Up

- Did you have a collision previously = 28%
- Have you had a collision since = 2%
- Taken other training = 13%
- Was this class beneficial = 99%
- Has your riding improved = 90%
- How much would you pay = \$60-\$100 (84%)



For More Information

Craig Moss

[bcmoss3@ncdot.gov](mailto:bcmoss3@ncdot.gov)

919-814-3656

[www.bikesafenc.com](http://www.bikesafenc.com)

Facebook



