

HRE Stock Car Fabrication Certification Fast Facts

Cost: \$8,950

Class Size: 10-12

of Weeks: 9

Class Hours: M-F 8 AM - 4:30 PM; Saturday & Sunday - Optional

Hotel Information: Crestwood Suites & Corporate Apartments

Equipment: *During your experience at Hedgecock Racing, you will use and be trained to operate the following machines*

Greenlee Tubing Benders	Milling Machine	Cold Cut Saws
Tubing Knotchers	Miller Wire Welders	Hydraulic Metal Shear
Sheet Metal Rollers	Iron Worker	Plasma Cutter
Hydraulic Press	Metal Lathe	Vertical Band Saws
Horizontal Band Saws	Porta Band Saws	Miller Tig Welders
Sheet Metal Break	Rotex Metal Punchers	Oxygen & Acetalene Torch
Bead Roller		

Course Description

During your time with us at **Hedgecock Racing Academy**, our team will be dedicated to your training and successful certification. **The program is designed to simulate the action packed and fast pace of working for a stockcar race team.**

Daily Schedule

Monday - Friday

8 AM - 4:30PM (or later if necessary)

Weekends

Optional: Racing is a weekend business. Saturday & Sunday classes will be on an as needed basis and optional

Hedgecock Racing Academy – Stock Car Fabrication Certification Program Overview

WEEK 1 - Introduction to Welding:

- Learning the hardware needed to mig weld
- Learn how to adjust welders for different thicknesses
- Welding beads on flat surfaces and tubing
- Learning how to set up tig welder
- Welding aluminum and steel with tig welder

WEEK 2 - Introduction to Types of Machinery Used In Sheet Metal Fabrication

- Learn how to layout sheet metal templates

- Learn how to make patterns
- How to operate sheet metal shears
- How to operate bead roller
- How to operate Rotex punch
- How to operate sheet metal roller

WEEK 3- Introduction to Bending Rollbars & Tubing Knotchers: bars & Tubing Knotchers:

- Getting familiar with benders and degree protractors
- How to figure bend degrees
- Figure distances between bends
- Figure bend rotation
- How to fit roll bars

WEEK 4- Introduction to Frame Jigs & Suspension:

- How to use cold cut saws
- How to use vertical band saws
- How to figure angles for tubing joints
- How to read blue prints for chassis parts
- Making A-frames, spindles, and rear suspension

WEEK 5- Introduction to Making Steel & Aluminum Panels: :

- How to align chassis on surface plate
- Align rear end in chassis
- Check front end settings
- Using templates
- Mounting body
- Fitting front and rear windows

Weeks 6, 7, 8, & 9 will be dedicated to building a race car from scratch and track testing it as a class. The class will work on the car fabrication as a team and have the opportunity to work pit crew positions.

*minimum of 6 students required to build a complete car

WEEK 6

- Fabricate new chassis, roll cage, interior sheet metal
- Manufacture suspension

- Mount body
- Assemble suspension
- Install motor and transmission

- Set-up for race track
- Track Test
- Pit Practice and Training
- Job opportunity discussions

**For more information about Hedgecock Racing Academy Programs – Contact us*

Enrollment Information

Hedgecock Racing Academy's premier fabrication program consist of nine weeks of intensive training at the company's High Point, NC race shop. Because of the intensity of Jay's programs - Space is limited to approx 50-60 students per year. First Come First Serve.

Sign up now for Hedgecock Racing Academy's Stock Car Certification Training program in three simple steps:

1. ENROLL – Fill out online application or enroll by calling Hedgecock Racing Academy at 336-887-4221.
2. PAY DEPOSIT - Pay deposit to hold your reservation either by completing the online form in step one or by contacting us at 336-887-4221, or jay@hedgecockracing.com
3. PAY TUITION - Pay the remaining balance at least 30 days prior to the first day of class.

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Send check or money order to:

**Hedgecock Racing Academy
1520 Horney Town Rd.
High Point, NC. 27265**