

## TECHNICAL SCHOLARS PROGRAM

# ADVANCED WELDING TECHNOLOGIES

Started in Fall of 2014 as a partnership between Horry County Schools (HCS) and Horry-Georgetown Technical College (HGTC), the Technical Scholars Welding Program is designed for high school seniors.

Welding plays a critical role in the strength and durability of everything from cars to heavy industrial machinery to bridges. The Technical Scholars Welding dual enrollment program provides entry level training and practical skills in Oxy-Acetylene cutting and brazing, SMAW (Arc), GMAW (MIG), FCAW (Flux Core) and GTAW (TIG) in ferrous and non-ferrous metals, including purge welding and sanitary process pipe. In addition, this program prepares students for the American Welding Society (AWS) performance certifications.

### ADVANTAGES OF THE TECHNICAL SCHOLARS PROGRAM

- Earn credits that apply to both high school and college graduation requirements.
- Prepare students for the AWS Certification.
- Enhance employment opportunities.
- Meet the local demands of industry.

### ADMISSIONS CRITERIA

Enrollment is currently limited to 18 students based upon time of application and acceptance by HGTC. Please see your high school guidance counselor to obtain the Technical Scholars Application. In order to be eligible, students must be able to complete their high school graduation requirements within the parameters of the program and meet admissions requirements through HGTC. Incomplete applications will not be accepted.

### REQUIRED SCORES FOR ENROLLMENT IN TECHNICAL SCHOLARS WELDING PROGRAM

Required Scores for Enrollment	New SAT		ACT	
	Critical Reading	Math	Reading	Math
<b>Welding</b>	<b>300</b>	<b>350</b>	<b>12</b>	<b>15</b>

If you do not have SAT or ACT scores, your counselor will submit your high school transcript for a Multiple Measure Review:

**English Average** – English 1, 2, and 3 must be 70 or above.

**Math Average** – Algebra 1, Geometry, and Algebra 2 must be 70 or above.

### PROGRAM OUTLINE

The program consists of 12 semester hours in the fall and 12 semester hours in the spring. Horry County Schools, following the district dual enrollment guidelines, will cover the tuition costs for the fall and spring semesters for those students enrolled in the program. Students who wish to develop their skills further can complete an additional 10 semester hours during the summer session and receive an Advanced Welding Technologies Certificate from HGTC, but the additional summer session tuition is not covered by HCS.

#### Fall Semester – Senior Year

WLD 103 Print Reading  
WLD 106 Gas & Arc Welding  
WLD 110 Welding Safety & Health  
WLD 111 Arc Welding I  
WLD 201 Welding Metallurgy

#### Spring Semester – Senior Year

WLD 113 Arc Welding II  
WLD 132 Inert Gas Welding Ferrous  
WLD 154 Pipe Fitting & Welding

#### Summer Semester – Post-Graduation

WLD 134 Inert Gas Welding Non-Ferrous  
WLD 140 Weld Testing  
WLD 228 Inert Gas Welding Pipe I  
WLD 229 Inert Gas Welding Pipe II



### CONTACTS

**Horry County Schools**  
Tashena Chestnut, 843-488-6990  
Amanda Van Natta, 843-488-6557

**Horry-Georgetown Technical College**  
Hope Wofford, 843-477-2097

### FOR MORE INFORMATION

[hgtc.edu/techscholars](http://hgtc.edu/techscholars)  
and  
[hgtc.edu/cyber](http://hgtc.edu/cyber)

**HCS**  
Horry County Schools

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