

Sussex County Technical School
Sparta, New Jersey 07871

WELDING
CURRICULUM

AM Program

| Item | Description | Duration |
|--------------------|---|-----------------------|
| Safety | Welding Industry Safety (Basic hand tools and basic power tools-80% passing) | 14 Clock Hrs. |
| WTB | Welding Technology (Defects & Discontinuities) Blueprint Reading & Symbols | 70 Clock Hrs. |
| OAW001 | Oxyacetylene Welding & Cutting / Plasma Arc Cutting | 70 Clock Hrs. |
| SMA002 | Shielded Metal Arc Welding | 140 Clock Hrs. |
| SMA003 | Shielded Metal Arc Welding Advanced Welding Procedures & Qualification Destructive Test Methods Non-Destructive Test Methods | 140 Clock Hrs. |
| SMA004 | Shielded Metal Arc Welding Pre-Pipe | 70 Clock Hrs. |
| Total Hours | | 504 Clock Hrs. |

PM Program

| Item | Description | Duration |
|--------------------|---|-----------------------|
| Safety | Welding Industry Safety / AWS Sense Entry-Level (Basic hand tools and basic power tools-80% passing) | 14 Clock Hrs. |
| SMA004B | Shielded Metal Arc Welding Pre-Pipe | 70 Clock Hrs. |
| SMA005 | Shielded Metal Arc Welding Pipe 2G and 5G Positions Uphill | 70 Clock Hrs. |
| SMA007 | Shielded Metal Arc Welding Pip 6G Position Uphill | 70 Clock Hrs. |
| GTA008 | Gas Tungsten Arc Welding | 70 Clock Hrs. |
| GTA009 | Gas Tungsten Arc Welding Pipe | 70 Clock Hrs. |
| GMA011 | Gas Metal Arc Welding / Gas Metal Arc Welding Advanced | 70 Clock Hrs. |
| FCA014 | Flux Cored Arc Welding | 70 Clock Hrs. |
| Total Hours | | 504 Clock Hrs. |

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|--------------------------|------------------------|
| Total AM/PM Hours | 1008 Clock Hrs. |
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| Grade | Hours |
|--------------------|-----------------------|
| 9 | 252 hours (2 periods) |
| 10 | 252 hours (2 periods) |
| 11 | 252 hours (2 periods) |
| 12 | 252 hours (2 periods) |
| Total Hours | 1008 |

All modules are in accordance with AWS Sense Entry Level Training and Certification program, AWS, EG2.0, & AWSQC10.