Related Technical Instruction

The apprenticeship includes 405 hours of related technical instruction (RTI). Instruction can be both in-person and online and will be provided by ASE-accredited high schools, colleges, technical schools, or equivalent institutions. Because few shops today are servicing solely electric vehicles (EVs), the apprenticeship competencies and RTI focus 60% on internal combustion engine (ICE) components and those that are common to both ICEs and EVs, and 40% on EV components. This allows the apprenticeship to produce junior-level technicians who can work on both ICE vehicles and EVs.

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| **SUBJECT** | **HOURS** |
| Engine Repair | 12 |
| Automatic Transmission & Transaxle | 24 |
| Manual Drive Train & Axles | 24 |
| Suspension & Steering | 81 |
| Brakes | 75 |
| Electrical/Electronic Systems | 93 |
| xEV Safety | 24 |
| Heating, Ventilation, & Air Conditioning (HVAC) | 18 |
| Engine Performance | 33 |
| Supplemental Tasks & Employability Skills | 21 |
| **Total Minimum Hours** | **405** |

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