

ALIGNING BODY AND FRAME

Pierce County Careers Connection Dual Credit Articulation Agreement

Upon completion of high school courses or equivalent to the following competencies:

- Frame-Type and Unitized-Body Construction
 - Describe the difference between frame-type construction and unitized-body construction with 100% accuracy.
- Identify Unitized-body Measurement of Damaged Vehicle
Given a damaged vehicle requiring unitized-body inspection, which has been set up on a dedicated or universal bench:
 - List the damage
 - Record by each damaged measurement the vehicle's true alignment according to the manufacturer's specifications.
- Realign a Unitized Body
Given a vehicle with unitized-body damage:
 - Realign the vehicle to the original dimensions according to the manufacturer's specifications.Demonstrate appropriate use of the following tools:
 - Universal measuring system
 - Self centering gauges
 - Tape measurement
 - Laser system
 - Frame manual
- Inspect Body and Frame and Measure Alignment
Given a damaged vehicle requiring body and frame inspection:
 - Set up the necessary frame gauge equipment.
 - Inspect the body and frame.
 - Tram to determine if the body openings and the frame are bent or misaligned.
 - List the damage
 - Record, by each damaged measurement, the vehicle's true alignment specifications according to the manufacturer's manual or blueprint findings.Demonstrate appropriate use of the following tools:
 - Self-centering gauge
 - Tram gauge
 - Tape measure
 - Frame manual
- Straighten, Repair, and Align Body and Frame Vehicle
Given a vehicle with body damage (i.e., sideways, sag, mash, diamond, and twist):
 - Straighten body and frame
 - Align body and frame
 - Repair to original dimensions according to crash book or other shop manual with manufacturer's specifications.Demonstrate appropriate use of the following tools:
 - Power post
 - Floor pots
 - Damage dozer
 - Universal frame rack

A student earning a "B" grade or better may earn college credit at the following college:

<u>College</u>	<u>Course</u>	<u>Credits</u>
Bates Technical College	AUTOB 204	5
	AUTOB 205 (CIP Code: 47.0603)	4