

RANKEN

TECHNICAL COLLEGE

COURSE INFORMATION

Course Number: ACR 2112

Course Name: Collision Mechanical Components Shop

CREDIT-BY-ASSESSMENT (CBA) COMPETENCY LIST

- Create a two bulb series circuit.
- Create a two bulb parallel circuit.
- Measure voltage on a two bulb series circuit.
- Measure amperage of a two bulb series circuit.
- Measure circuit resistance of a two bulb series circuit.
- Locate all restraints components.
- Using a scanner to access restraint system data.
- Identify the mandatory replace parts for restraint system.
- Disable the restraints system.
- Identify if the vehicle is equipped with a front/rear or diagonal split system.
- Identify all components of the brake system.
- Disassemble a drum brake assemble.
- Inspect brake components and reassemble.
- Bleed the entire brake system.
- Inspect a disc brake system.
- Identify air conditioning components.
- Perform an air conditioning system check.
- Recover Freon from the air conditioning system.
- Recharge the air conditioning system.
- Remove and install the air conditioning condenser.
- Identify steering components.
- Identify suspension components.
- Measure run out on a hub and bearing assembly.
- Measure play in a ball joint.
- Perform a four wheel alignment.