

Collision Repair Technology

Diploma

Competencies

General Education Competencies:

- I. Communicate Effectively
 1. Read and listen with comprehension.
 2. Speak and write clearly using standard English.
 3. Interact cooperatively with others using both verbal and non-verbal means.
 4. Demonstrate information processing through basic computer skills.
- II. Think Critically
 1. Make connections in learning across the disciplines and draw logical conclusions.
 2. Demonstrate problem solving through interpreting, analyzing, summarizing, and/or integrating a variety of materials.
 3. Use mathematics to organize, analyze, and synthesize data to solve a problem.
- III. Learn Independently
 1. Use appropriate search strategies and resources to find, evaluate, and use information.
 2. Make choices based upon awareness of ethics and differing perspectives/ideas.
 3. Apply learning in academic, personal, and public situations.
 4. Think creatively to develop new ideas, processes, or products.
- IV. Examine Relationships in Diverse and Complex Environments
 1. Recognize the relationship of the individual to human heritage and culture.
 2. Demonstrate an awareness of the relationship of the individual to the biological and physical environment.
 3. Develop an awareness of self as an individual member of a multicultural global community.

Technical Competencies/Outcomes:

Upon completion of the Collision Repair Technician Diploma program the student can:

1. Prepare and prime for painting auto panels.
2. Sand, grind, pull, rough and fill auto panels.
3. Understand and safely use tools associated with auto body repair.
4. Replace and align bolts on parts such as doors, hoods, and fenders.
5. Repair and replace weld-on panels.
6. Use lacquer, acrylic enamel and refinishing products.
7. Prepare auto surfaces for painting and use a paint spray gun safely.
8. Mix paints for auto use and solve paint application problems.
9. Repair plastic, fiberglass, and flexible automobile parts.
10. Analyze, repair, and replace structural panels on unibody automobiles.
11. Align the frame on unibody and frame cars.
12. Replace modular glass on cars.
13. Weld structural components on automobiles.
14. Restore corrosion protection on autos.
15. Protect electronic components in the process of auto repair.
16. Diagnose, replace and/or repair suspension, steering, electrical, brake, drive-train, fuel, exhaust, and restraint systems in automobiles.
17. Explain in general how auto air conditioning and heating systems work.
18. Demonstrate basic skills in computer operations and/or software applications.
19. Prepare personal financial documents including a budget.
20. Explain interest rates as they apply to personal credit.
21. Conduct oneself professionally in an interview situation.
22. Create an error-free portfolio of business employment documents using computer technology.