

Collision Repair Technology

Department Chair: Don Wilson

Office: SA 325
Telephone: 801-863-8124

Faculty:

Associate Professor

Cris Boggess
Don Wilson
Vern Hiatt

Instructor

Terrance Orr

Advisor: Carrie Peterson

Office: CS 635
Telephone: 801-863-7454

Office Manager: Katreena Davis

Office: SA 325
Telephone: 801-863-8349

Advisory Committee: Dave Adams, David Adams Classic Auto Repair; Russel Nichols, Cascade Collision; Sergio Martin, Martins Collision Repair; Kevin Payne, State Farm; Steve Young, PPG Representative.

College of Technology and Computing

Dean: Ernest Carey
Office: CS 720
Telephone: 801-863-8321

CAREER OPPORTUNITIES

The collision repair industry offers a wide variety of career paths. The industry offers positions in auto body repair, PBE (paint, body, and equipment) sales and training, manufacturer representation, insurance businesses, jobber sales, and instructor training. Graduates may choose a career emphasis in: refinishing, surface preparation, estimating, management, quality control, production, structural repair, damage analysis, glass installation, panel fabrication, customization, nonstructural repair, sales, and instructor training.

PROGRAMS

Four options are available: a One-Year Certificate, a Diploma, the Associate in Applied Science Degree, and the Bachelor of Science in Technology Management Degree. See graduation requirements in the catalog for further definitions.

Reminder: An overall grade point average of 2.0 (C) or above is required for graduation.

Certificate in

Collision Repair Technology 31 CREDITS

Discipline Core Requirements: 31 Credits

Complete the following:

- AUT 1260 Tech Math for Mechanics 3.0
- ENGL 106A Career Writing for Technology--A 2.0
- Any approved Behavioral Science, Social, or Political Science Distribution Course 2.0
- AUT 1160 Automotive Electrical Systems 2.0
- AUT 116L Automotive Electrical Systems Lab 1.0
- AUT 2240 Automotive HVACR 2.0
- AUT 224L Automotive HVACR Lab 1.0
- CRT 1110 Surface Preparation 2.0
- CRT 111L Surface Preparation Lab 1.0
- CRT 1120 Nonstructural Repair 2.0
- CRT 112L Nonstructural Repair Lab 1.0
- CRT 1130 Overall Refinishing and Problem Solving 2.0
- CRT 113L Overall Refinishing and Problem Solving Lab 1.0
- CRT 1140 Panel Replacement and Adjustment 2.0
- CRT 114L Panel Replacement and Adjustment Lab 1.0
- CRT 1210 Blending Tinting and Detailing 2.0
- CRT 121L Blending Tinting and Detailing Lab 1.0
- CRT 1230 Welding and Cutting 2.0
- CRT 123L Welding and Cutting Lab 1.0

Graduation Requirements:

- 1 Overall grade point average of 2.0 (C) or above. (Departments may require a higher GPA.)

Note: Cooperative Education courses may be used in place of some of the laboratory or shop classes for completion of diploma requirements.

Diploma in

Collision Repair Technology 55 CREDITS

Discipline Core Requirements: 31 Credits

Complete the following:

- AUT 1260 Tech Math for Mechanics 3.0
- ENGL 106A Career Writing for Technology--A 2.0
- Any approved Behavioral Science, Social, or Political Science Distribution Course 2.0
- AUT 1160 Automotive Electrical Systems 2.0
- AUT 116L Automotive Electrical Systems Lab 1.0
- AUT 2240 Automotive HVACR 2.0
- AUT 224L Automotive HVACR Lab 1.0
- CRT 1110 Surface Preparation 2.0
- CRT 111L Surface Preparation Lab 1.0
- CRT 1120 Nonstructural Repair 2.0
- CRT 112L Nonstructural Repair Lab 1.0
- CRT 1130 Overall Refinishing and Problem Solving 2.0
- CRT 113L Overall Refinishing and Problem Solving Lab 1.0
- CRT 1140 Panel Replacement and Adjustment 2.0
- CRT 114L Panel Replacement and Adjustment Lab 1.0
- CRT 1210 Blending Tinting and Detailing 2.0
- CRT 121L Blending Tinting and Detailing Lab 1.0
- CRT 1230 Welding and Cutting 2.0
- CRT 123L Welding and Cutting Lab 1.0
- CRT 281R Cooperative Work Experience* (1.0)
- CRT 285R Cooperative Correlated Class* (1.0)
- CRT 299R VICA (optional) (1.0)

Emphasis:

Complete one of the following:

- Collision Repair 24.0
- Street Rod 24.0

Graduation Requirements:

- 1 Overall grade point average of 2.0 (C) or above. (Departments may require a higher GPA.)

NOTE: *Cooperative Education courses may be used in place of some of the laboratory or shop classes for completion of diploma requirements. Approval of the program coordinator must be secured before class enrollment.

Emphasis in Collision Repair 24 Credits

Emphasis Requirements: 24 Credits

- CRT 2310 Collision Damage Reporting 2.0
- CRT 231L Collision Damage Reporting Lab 1.0
- CRT 2320 Structural Damage Analysis 2.0
- CRT 232L Structural Damage Analysis Lab 1.0
- CRT 2330 Structural Repair 2.0
- CRT 233L Structural Repair Lab 1.0

Collision Repair Technology

- CRT 2340 Full and Partial Panel Replacement 2.0
- CRT 234L Full and Partial Panel Replacement Lab 1.0
- CRT 2400 Plastic Paintless Dent Repair 2.0
- CRT 240L Plastic Paintless Dent Repair Lab 1.0
- CRT 2440 Mechanical Advanced Vehicle Systems 2.0
- CRT 244L Mechanical Advanced Vehicle Systems Lab 1.0
- CRT 2450 Bags Brakes Steering 2.0
- CRT 245L Bags Brakes Steering Lab 1.0
- CRT 2630 Detailing and Custom Painting 2.0
- CRT 263L Detailing and Custom Painting Lab 1.0

Emphasis in Street Rod 24 Credits

Emphasis Requirements: 24 Credits

- CRT 2510 Custom Welding 2.0
- CRT 251L Custom Welding Lab 1.0
- CRT 2520 Customizing 2.0
- CRT 252L Customizing Lab 1.0
- CRT 2530 Panel Fabrication 2.0
- CRT 253L Panel Fabrication Lab 1.0
- CRT 2610 Top Chopping Sectioning and Channeling 2.0
- CRT 261L Top Chopping Sectioning and Channeling Lab 1.0
- CRT 2620 Frames 2.0
- CRT 262L Frames Lab 1.0
- CRT 2630 Detailing and Custom Painting 2.0
- CRT 263L Detailing and Custom Painting Lab 1.0
- CRT 2640 Panel Fabrication of Aluminum 2.0
- CRT 264L Panel Fabrication of Aluminum Lab 1.0
- CRT 2650 Automotive Interior Design 2.0
- CRT 265L Automotive Interior Design Lab 1.0

AAS in

Collision Repair Technology 64 CREDITS

General Education Requirements: 16 Credits

- ENGL 1060 Career Writing for Technology (or higher) 3.0
- AUT 1260 Tech Math for Mechanics 3.0
- Any approved Humanities, Fine Arts, or Foreign Language Distribution Course 3.0
- Any approved Behavioral Science, Social, or Political Science Distribution Course 3.0
- Any approved Biology or Physical Science Distribution Course 3.0
- Any approved Physical Education, Health, Safety or Environment Course 3.0

Discipline Core Requirements: 24 Credits

Complete the following:

- AUT 1160 Automotive Electrical Systems 2.0
- AUT 116L Automotive Electrical Systems Lab 1.0
- AUT 2240 Automotive HVACR 2.0
- AUT 224L Automotive HVACR Lab 1.0
- CRT 1110 Surface Preparation 2.0
- CRT 111L Surface Preparation Lab 1.0
- CRT 1120 Nonstructural Repair 2.0
- CRT 112L Nonstructural Repair Lab 1.0
- CRT 1130 Overall Refinishing and Problem Solving 2.0
- CRT 113L Overall Refinishing and Problem Solving Lab 1.0
- CRT 1140 Panel Replacement and Adjustment 2.0
- CRT 114L Panel Replacement and Adjustment Lab 1.0
- CRT 1210 Blending Tinting and Detailing 2.0
- CRT 121L Blending Tinting and Detailing Lab 1.0
- CRT 1230 Welding and Cutting 2.0
- CRT 123L Welding and Cutting Lab 1.0
- CRT 281R Cooperative Work Experience* (1.0)
- CRT 285R Cooperative Correlated Class* (1.0)
- CRT 299R VICA (optional) (1.0)

Emphasis:

Complete one of the following:

- Collision Repair 24.0
- Street Rod 24.0

Graduation Requirements

- 1 Completion of a minimum of 64 semester credits
- 2 Overall gradepoint average of 2.0 (C) or above. (Departments may require a higher GPA.)
- 3 Residency hours--minimum of 20 credit hours through course attendance at UVU.

Collision Repair Technology

4 Completion of GE and specified departmental requirements.

Footnotes:

* Cooperative Education courses may be used in place of some of the laboratory or shop classes for completion of AAS requirements. Approval of the program coordinator must be secured before class enrollment.

Emphasis in Collision Repair 24 Credits

| Emphasis Requirements: | | 24 Credits |
|------------------------|---|------------|
| • CRT 2310 | Collision Damage Reporting | 2.0 |
| • CRT 231L | Collision Damage Reporting Lab | 1.0 |
| • CRT 2320 | Structural Damage Analysis | 2.0 |
| • CRT 232L | Structural Damage Analysis Lab | 1.0 |
| • CRT 2330 | Structural Repair | 2.0 |
| • CRT 233L | Structural Repair Lab | 1.0 |
| • CRT 2340 | Full and Partial Panel Replacement | 2.0 |
| • CRT 234L | Full and Partial Panel Replacement Lab | 1.0 |
| • CRT 2400 | Plastic Paintless Dent Repair | 2.0 |
| • CRT 240L | Plastic Paintless Dent Repair Lab | 1.0 |
| • CRT 2440 | Mechanical Advanced Vehicle Systems | 2.0 |
| • CRT 244L | Mechanical Advanced Vehicle Systems Lab | 1.0 |
| • CRT 2450 | Bags Brakes Steering | 2.0 |
| • CRT 245L | Bags Brakes Steering Lab | 1.0 |
| • CRT 2630 | Detailing and Custom Painting | 2.0 |
| • CRT 263L | Detailing and Custom Painting Lab | 1.0 |

Emphasis in Street Rod 24 Credits

| Emphasis Requirements: | | 24 Credits |
|-------------------------|--|------------|
| Complete the following: | | |
| • CRT 2510 | Custom Welding | 2.0 |
| • CRT 251L | Custom Welding Lab | 1.0 |
| • CRT 2520 | Customizing | 2.0 |
| • CRT 252L | Customizing Lab | 1.0 |
| • CRT 2530 | Panel Fabrication | 2.0 |
| • CRT 253L | Panel Fabrication Lab | 1.0 |
| • CRT 2610 | Top Chopping Sectioning and Channeling | 2.0 |
| • CRT 261L | Top Chopping Sectioning and Channeling Lab | 1.0 |
| • CRT 2620 | Frames | 2.0 |
| • CRT 262L | Frames Lab | 1.0 |
| • CRT 2630 | Detailing and Custom Painting | 2.0 |
| • CRT 263L | Detailing and Custom Painting Lab | 1.0 |
| • CRT 2640 | Panel Fabrication of Aluminum | 2.0 |
| • CRT 264L | Panel Fabrication of Aluminum Lab | 1.0 |
| • CRT 2650 | Automotive Interior Design | 2.0 |
| • CRT 265L | Automotive Interior Design Lab | 1.0 |

BS in Technology Management 125 CREDITS

The following Technical Area is available (see the Technology Management section of this catalog for complete degree requirement listings.)

Specialization in Collision Repair Technology 45 Credits

| Emphasis Requirements: | | 45 Credits |
|------------------------|---|------------|
| • AUT 1160 | Automotive Electrical Systems | 2.0 |
| • AUT 116L | Automotive Electrical Systems Lab | 1.0 |
| • AUT 2240 | Automotive HVACR | 2.0 |
| • AUT 224L | Automotive HVACR Lab | 1.0 |
| • CRT 1110 | Surface Preparation | 2.0 |
| • CRT 111L | Surface Preparation Lab | 1.0 |
| • CRT 1120 | Nonstructural Repair | 2.0 |
| • CRT 112L | Nonstructural Repair Lab | 1.0 |
| • CRT 1130 | Overall Refinishing and Problem Solving | 2.0 |
| • CRT 113L | Overall Refinishing and Problem Solving Lab | 1.0 |
| • CRT 1140 | Panel Replacement and Adjustment | 2.0 |
| • CRT 114L | Panel Replacement and Adjustment Lab | 1.0 |
| • CRT 1210 | Blending Tinting and Detailing | 2.0 |
| • CRT 121L | Blending Tinting and Detailing Lab | 1.0 |
| • CRT 1230 | Welding and Cutting | 2.0 |
| • CRT 123L | Welding and Cutting Lab | 1.0 |
| • CRT 2310 | Collision Damage Reporting | 2.0 |
| • CRT 231L | Collision Damage Reporting Lab | 1.0 |
| • CRT 2320 | Structural Damage Analysis | 2.0 |
| • CRT 232L | Structural Damage Analysis Lab | 1.0 |

| | | |
|------------|---|-----|
| • CRT 2330 | Structural Repair | 2.0 |
| • CRT 233L | Structural Repair Lab | 1.0 |
| • CRT 2340 | Full and Partial Panel Replacement | 2.0 |
| • CRT 234L | Full and Partial Panel Replacement Lab | 1.0 |
| • CRT 2400 | Plastic Paintless Dent Repair | 2.0 |
| • CRT 240L | Plastic Paintless Dent Repair Lab | 1.0 |
| • CRT 2440 | Mechanical Advanced Vehicle Systems | 2.0 |
| • CRT 244L | Mechanical Advanced Vehicle Systems Lab | 1.0 |
| • CRT 2450 | Bags Brakes Steering | 2.0 |
| • CRT 245L | Bags Brakes Steering Lab | 1.0 |

Due to the technical nature of the material in the CRT courses, additional reading and math instruction may be required. More information will be given during advisement.

Recommended Collision Repair Course

The following course is recommended for students who would like to learn basic skills in the collision industry, while working on their own vehicle.

| | | |
|------------|--------------------|-----|
| • CRT 100R | Paint Your Own Car | 2.0 |
|------------|--------------------|-----|

See Course Descriptions section of the catalog for detailed course information. This department manages the following course prefixes:

- AUT, Automotive Technology
- CRT, Collision Repair Technology
- DMT, Diesel Mechanics Technology