

# CUSTOM CARS & CONCEPTS (CCC)

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## **CCC 210 Custom Auto Body Technician I (4 Credits)**

60 lecture, 45 lab, 4 total contact hours

In this course, students who are interested in specialty car markets will build on experiences in prerequisite courses to evaluate their skills, while learning the techniques and applications of the design and building of custom cars. Students will learn to install and modify many aftermarket products such as hinge kits, remote door openers, custom enclosures, interior modifications and the process used to achieve show car quality sheet metal fit and finish. Teamwork, establishing project guidelines, time management, developing problem-solving skills, goal setting and the achievement of these goals will be emphasized. This course contains material previously taught in CCC 200 and CCC 240. Level I Prerequisite: Academic Reading and Writing Levels of 6; ABR 121, ABR 123 and ABR 124, minimum grade "B"

## **CCC 215 Custom Fabrication and Chassis Design I (4 Credits)**

60 lecture, 45 lab, 4 total contact hours

In this course, students will be introduced to metal fabrication, chassis design and assembly of custom vehicles. Students build their skills using tools such as the iron worker, hand brake and foot or Beverly shear. Topics such as choosing wheel/tire offset combinations and suspension modifications are covered. Class projects will be based on the design and fabrication of "one-of-a-kind" parts used on a custom vehicle. Working in a team environment, students will develop problem-solving skills and time management skills. Past project vehicles have gained national recognition and awards. This course contains material previously taught in CCC 201 and CCC 221. Level I Prerequisite: Academic Reading and Writing Levels of 6; ABR 121, ABR 123 and ABR 124, minimum grade "B"

## **CCC 250 Custom Auto Body Technician II (4 Credits)**

60 lecture, 45 lab, 4 total contact hours

In this course, students will perform advanced paint operations such as "ghosting" of graphics, "smoking" of headlights/taillights and special sanding/buffing procedures as related to the final appearance of a custom car. The removal of factory body imperfections will also be discussed. The course emphasis will be the application of a show quality paint job. Level I Prerequisite: Academic Reading and Writing Levels of 6; CCC 210 minimum grade "B", may enroll concurrently

## **CCC 255 Custom Fabrication and Chassis Design II (4 Credits)**

60 lecture, 45 lab, 4 total contact hours

In this course, students will develop advanced skills and knowledge related to project vehicle completion. Areas of study include fastener selection, electrical system upgrades, ride tuning of suspension, brakes, steering, and final safety inspections. Working with staff and other team members, students will devise a promotional plan as well as aid in the setup, display and organization of the project vehicle's debut. Level I Prerequisite: Academic Reading and Writing Levels of 6; CCC 215 minimum grade "B", may enroll concurrently