

SEC. #	DAY(S)	TIME	INSTRUCTOR	ROOM
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ASTRONOMY, CONTINUED

HONORS COURSE

ASTR 110H

GENERAL ASTRONOMY

3 Units/Prerequisite: Satisfactory completion (C or better) of ENGL 101. Minimum GPA 3.0.

Advisory: ENGL 030 or ESL 037 or appropriate assessment, MATH 030 or appropriate assessment and READ 022 or appropriate assessment.

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: ASTR 110 or ASTR 110H)

(SEE ASTR 110 FOR COURSE DESCRIPTION.)

Honors section requirements: beginning students, enrollment in English 101; continuing students, successful completion of English 101. Students will receive honors credit (H) by completing an "honors contract" with the instructor.

0103 MW 9:40-11:05 AM HIGHFILL D Rm S236

(Enrollment restricted; see Honors Program information, page 5.)

ASTR 112

OBSERVATIONAL ASTRONOMY

1 Unit/Prerequisite: ASTR 110 with a grade of "C" or better.

Transfers to: UC (credit limit*), CSU (*Students will receive credit from UC for only one of the following courses: ASTR 112 or ASTR 114.)

This course is designed to acquaint the student with the methods, techniques, and tools of the astronomer. Indoor labs will demonstrate classical methods and techniques of science. Students will learn the critical thinking processes needed to acquire and analyze scientific data. Students will become familiar with naked eye objects visible during the fall/winter [112], spring/summer [114] including constellations, planets, star clusters, galaxies, meteors, and the phases of the moon. Students will learn to locate objects visually and use astronomical coordinate systems. The development of skill in the operation of optical telescopes is emphasized. This course is designed for those with an interest in learning night skies and the tools astronomers use to explore the cosmos. Observatory facilities will be utilized often, weather permitting. Field trips are an integral part of this class.

1894 T 2:30-6:50 PM HIGHFILL D Rm S230
0097 Th 2:30-6:50 PM HIGHFILL D Rm S230

299 DIRECTED STUDY

1-3 Units

SEE description in GENERAL INFORMATION
Times to be Arranged STAFF TBA

**AUTOMOTIVE COLLISION
REPAIR & PAINTING**

DIVISION OF CAREER TECHNICAL EDUCATION

AUTOB 075

COLLISION ESTIMATING

3 Units/Advisory: Eligibility for READ 022 or appropriate assessment and AUTOB 101.

This course provides a foundation in the basic principles and techniques of Automotive Collision estimating. The course is designed to prepare students to enter the field of Automotive Collision Estimating using the latest revisions of CCC's Pathways Collision Estimating Software. The course is designed to prepare students to enter the field of Automotive Collision Estimating using the latest revisions of Mitchell Estimate CX System. Major emphasis will be placed on diagnosis of damage, writing a damage report, and computer assisted estimates.

★ 1310 T 6:00-9:10 PM FLORES A Rm T102

AUTOB 080

AUTOMOTIVE PAINTING I

3 Units/Advisory: READ 023 or appropriate assessment.

This is an introductory course in the fundamental aspects of automotive painting. The course is a study in the use of spray equipment and special tools used in automotive painting. Related technical information is presented concerning different types of paint products and finishes, painting safety, hazardous waste handling and disposal, and state regulations and rules used in the automotive paint industry. This course may be taken once and repeated one time for credit.

0414 Sat 8:00 AM-3:30 PM FAIRCHILD P Rm. 124

AUTOB 099

AUTO COLLISION MECHANICAL AND ELECTRONIC COMPONENTS

4 Units/Advisory: AUTOB 101, READ 023 or appropriate assessment.

This course provides a foundation in the basic principles and techniques of repair, and replacement of mechanical and electronic components involved in collision. This course is designed for advanced students with previous auto body experience who desire a broader overview and basic understanding of components related in auto collision repair. This course will be taken once and repeated two times for credit.

★ 1018 TTh 6:30-9:40 PM STEELE R Rm T104

AUTOB 101

INTRODUCTION TO AUTOMOTIVE COLLISION REPAIR & PAINTING

4 Units/Advisory: Eligibility for READ 023 or appropriate assessment.

Transfers to: CSU

This is an introductory course in the fundamental aspects of automotive collision repair and is designed for anyone with an interest in the subject matter. Major emphasis is on unitized construction, high strength steel, metal straightening and finishing, paint feathering and priming. Related technical information is presented concerning power and hand tools and their use, automobile designs and nomenclature. This course may be taken once and repeated one time for credit.

1297 TTh 9:00 AM-1:15 PM STEIN R Rm T124
★ 1298 MW 5:30-9:45 PM STEIN R Rm T124

AUTOB 110

AUTO BODY AND FRAME STRAIGHTENING

4 Units/Prerequisite: AUTOB 101

Advisory: READ 023 or appropriate assessment

This course is designed to provide the student with the theory and basic skills required to repair frame and unibody damage. Practical problems and new procedures are introduced in the process of correcting misalignment of frame and body structures, caused by collision damage, including frame straightening, body alignment, sectioning, door and panel repair, and major collision repair. This course may be taken once and repeated one time for credit.

★ 0933 TTh 5:30-8:40 PM LOPEZ G Rm T124

AUTOB 120

AUTOMOTIVE COLLISION REPAIR & PAINTING I

3 Units/Prerequisite: AUTOB 101

Advisory: READ 023 or appropriate assessment

Transfer to: CSU

This is a course designed to further the student's knowledge of the auto body, and to develop greater skill in the reconstruction of damaged areas. Other topics include straightening major body damage, color matching, spot painting, and overall painting. This course may be taken once and repeated one time for credit.

1300 MW 9:00 AM-12:05 PM STEIN R Rm T124

AUTOMOTIVE TECHNOLOGY

DIVISION OF CAREER TECHNICAL EDUCATION

AUTOT 040

INTRODUCTION TO ALTERNATIVE FUELS & ADVANCED TECHNOLOGY VEHICLES

3 Units/Advisory: READ 023 or appropriate assessment.

This is an introductory course on alternative fuels and advanced technology vehicles. Various alternative fuels and advanced technology vehicles will be compared, such as Compressed Natural Gas (CNG), Liquefied Natural Gas (LNG), Hydrogen, Bio-Fuel, Fuel Cells, etc. The theory of operation, system components, and the safe handling of these fuels are included. Students will develop skills in the area of operation, system component identification, and service procedures related to advanced technology vehicles using alternative fuels. This course is designed to provide the student with an introduction to the ASE F1 Compress Natural Gas Vehicle Test and overview of current and future alternative fuels.

★ 0312 W 6:00-10:15 PM FRALA J Rm T118