

HIST 197 History Topics (1.5 - 4)

Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture and/or laboratory may be scheduled by the department. Refer to Class Schedule.

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Topics in History. See Class Schedule for specific topic offered. Course title will designate subject covered.

HIST 295 Directed Study in History (1, 2, 3)

3, 6, 9 hours laboratory

Prerequisite: Approval of project or research by department chairperson

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Independent study for students who have demonstrated a proficiency in history subjects and have the initiative to work independently on projects or research that does not fit into the context of regularly scheduled classes. Students will work under the personal supervision of an instructor.

Home Economics

See Family and Consumer Sciences, Fashion, Interior Design, Nutrition and Child Development

Humanities (HUM)

Contact the English Department for further information.

(760) 744-1150, ext. 2392

Office: H-302B

COURSE OFFERINGS**HUM 100 Introduction to Humanities I (3)**

3 hours lecture

Transfer acceptability: CSU; UC

Examines significant movements and developments in literature and other arts in Western culture from classical times to the late Middle Ages. Emphasis is on ideas and their realization in works of art.

HUM 101 Introduction to Humanities II (3)

3 hours lecture

Transfer acceptability: CSU; UC

A general survey of the fine arts in the Western world. Arranged chronologically rather than thematically, the course material includes consideration of the major achievements of Western culture from the Renaissance until the present.

HUM 197 Humanities Topics (1-4)

Units awarded in topics courses are dependent upon the number of lecture hours required of the student. Refer to Class Schedule.

Transfer acceptability: CSU; UC – Credit determined by UC upon review of course syllabus.

Topics in Humanities. See class schedule for specific topic covered. Course title will designate subject covered.

Industrial Technology (IT)

See Cabinet and Furniture Technology and Drafting Technology for additional courses

Contact the Trade and Industry Department for further information.

(760) 744-1150, ext. 2545

Office: T-102A

Foundations in Technical Careers**CERTIFICATE OF PROFICIENCY**

The Certificate of Proficiency will provide students with foundational math, reading, writing, and computer skills needed to succeed in a technical occupation. This interdisciplinary program will incorporate curriculum from disciplines such as math, industrial technology, engineering, business, and computers science. Completers of this program can potentially secure entry level positions in a technical field while concurrently completing their associate's degree.

Program Requirements

ENGR 100	Introduction to Engineering	1
MATH 115	Trigonometry	3
CSIT 148	C Programming using Robots	3
BUS 175	Excel Basic	1
and		
BUS 176	Excel Intermediate	1
IT 175	Industrial Technology Capstone Project	1
DT 101 /		
ENGR 101	AutoCAD Introduction to Computer Aided Drafting	3
or		
DT 103 /		
ENGR 103	SolidWorks Introduction to 3D Design and Presentation	3
IT 197	Industrial Technology Topics	3

TOTAL UNITS 16

COURSE OFFERINGS**IT 108 Technical Mathematics (3)**

3 hours lecture

Note: Cross listed as WELD 108

Transfer acceptability: CSU

Methods and experience in defining and solving mathematical problems in industrial technology. Special emphasis will be given to the application of these basic processes to the solution of the unique mathematical problems encountered in the areas of architecture, automotive, drafting, machine, welding, and woodworking technology.

IT 115 Industrial Safety (2)

2 hours lecture

Transfer acceptability: CSU

Prepares the student to enter the workforce in an awareness of safety. Includes a history and overview; laws and regulations; assessment, prevention, and controls; and the management of health and safety issues.

IT 120 Blueprint Reading for Machinists (3)

3 hours lecture

Provide entry level machinist to learn how to visualize and interpret shop drawing for manufacturing.

IT 190 Manufacturing I Introduction to MasterCAM (3)

1½ hours lecture - 4½ hours laboratory

This course will introduce the students to MasterCAM and 2D and basic 3D modeling. Students will receive instructions and drawings of parts requiring 2- or 3-axis machining. Students will design, model, program, set-up and run their parts on various machines, including plasma cutters, water jet cutters and milling machines.

IT 191 Manufacturing II Advanced MasterCAM (3)

1½ hours lecture - 4½ hours laboratory

Prerequisite: IT 190

This course will provide students with advanced 3d modeling techniques. Students will receive instructions and drawings of parts requiring 3-axis machining with multiple set-ups. Students will design, model, program, set-up and run their parts on various Computer controlled mills and lathes.