

ANTH 220 Advanced Archaeological Surveying (3)

2½ hours lecture - 1½ hours laboratory

Recommended preparation: ANTH 210**Transfer acceptability:** CSU

Advanced archaeological survey techniques including sample survey, site relocation, and the use of Global Positioning System (GPS) and laser transit hardware and software for site recordation, data conversion, site mapping, and the completion of a mapping program.

ANTH 225 Historical Archaeology (3)

2½ hours lecture - 1½ hours laboratory

Recommended preparation: ANTH 120**Note:** May not be taken for Pass/No Pass grading**Transfer acceptability:** CSU

Method and theory of historical archaeology, including archival research, artifact identification, and report preparation. Training in the location and interpretation of archival documents, such as Franciscan Mission records, Spanish land grant documents, homestead patents, Sanborn fire insurance maps, assessor's records, and historical topographic maps. Training in the identification of ceramic, glass and metal artifacts and their associated function, method of manufacture, manufacturer, and temporal distribution.

ANTH 296 Special Problems in Anthropology (1, 2, 3)

3, 6, or 9 hours laboratory

Note: ANTH 296 and 297 may be taken 4 times as Archaeology AA degree electives for a combined maximum of 6 units.**Transfer acceptability:** CSU; UC - Credit determined by UC upon review of course syllabus.

An individualized or group project in cultural or physical anthropology of any nature approved by the instructor and under the personal supervision of the instructor.

ANTH 297 Special Problems in Archaeology (1, 2, 3)

3, 6 or 9 hours laboratory

Note: ANTH 296 and 297 may be taken 4 times as Archaeology AA degree electives for a combined maximum of 6 units.**Transfer acceptability:** CSU; UC - Credit determined by UC upon review of course syllabus.

An individualized or group project in archaeology approved by the instructor and under the personal supervision of the instructor.

Apprenticeship Training (AP)

Acoustical Installer, Carpentry, Drywall/Lather, Electrician, Inside Wireman, Plasterer, Residential Wireman, Sheet Metal, Sound and Communication Systems, Sound Technician

Contact Occupational & Noncredit Programs for further information.

(760) 744-1150, ext. 2600

Office: AA-136

Associate in Arts Degrees -

AA Degree requirements are listed in Section 6 (green pages).

- Acoustical Installer
- Carpentry
- Drywall/Lather
- Electrician
- Inside Wireman
- Plasterer
- Residential Wireman
- Sheet Metal
- Sound and Communication Systems Installer
- Sound Technician

Certificates of Achievement -

Certificate of Achievement requirements are listed in Section 6 (green pages).

- Acoustical Installer
- Carpentry
- Drywall/Lather
- Electrician
- Inside Wireman
- Plasterer
- Residential Wireman

- Sheet Metal
- Sound and Communication Systems Installer
- Sound Technician

PROGRAMS OF STUDY

A program for the training of apprentices, consisting of full-time, on-the-job employment plus related classroom instruction.

A CERTIFICATE OF ACHIEVEMENT and/or JOURNEYPERSON TRADE CERTIFICATE will be awarded to students for each program successfully completed. Students who wish to obtain an Associate in Arts Degree may do so by fulfilling the general graduation requirements in addition to the completion of the apprenticeship courses.

A program is maintained for the training of apprentices in the trades as listed. Students who wish to become apprentices should appear before the appropriate Joint Apprenticeship Committee. Training consists of full-time work on-the-job supplemented by related classroom instruction. All students entered in the apprenticeship work experience program are expected to enter AP WE 110, 111, 112, 113, or 114. A maximum of 16 units, Pass/No Pass only, may be earned in Cooperative Work Experience Education, not to exceed 8 units each semester.

Students whose work or attendance is not satisfactory may be dropped from the program by the College, or other corrective measures may be taken by the Joint Apprenticeship Committee. The College grants academic credit for the successful completion of the training program.

Upon completion of the training program, journeyperson trade certificates and college achievement certificates are awarded at a special completion ceremony.

The final digit in the course number indicates that period of apprenticeship.

SAFETY GLASSES - Education Code 32030-32034 requires that safety glasses be worn in those classes where eye damage might occur. Students in such classes will be so informed by their instructors. Glasses are available at the college bookstore.

Acoustical Installer (AP AC)

A three-year apprenticeship program. Applicants for this program should be directed to the Carpenters Joint Apprenticeship and Training Committee for Southern California, San Diego Carpenters Training Center, 8595 Miralani Drive, San Diego, CA 92126. Telephone (858) 621-2667.

A.A. DEGREE MAJOR OR CERTIFICATE OF ACHIEVEMENT

Program Requirements		Units
AP DL/AP PL/ AP AC 201	Orientation	1.5
AP DL/AP PL/ AP AC 202	Safety and Health Certifications	1.5
AP DL/AP PL/ AP AC 203	Printreading	1.5
AP DL/ AP AC 204	Advanced Printreading	1.5
AP AC 205	Acoustical Ceilings	1.5
AP AC 206	Standard Acoustical Grids	1.5
AP AC 207	Suspended Ceilings	1.5
AP AC 208	Soffits	1.5
AP AC 209	Prefab/Sound Panels	1.5
AP AC 210	Concealed/Glue-Up/Staple-Up System	1.5
AP AC 211	Compass	1.5
AP AC 212	Metal Pan and Security Systems	1.5
AP AC 213	Advanced Acoustical Installation	1.5
AP AC 214	Advanced Acoustical Layout	1.5
AP AC 215	Drywall Acoustical Ceilings	1.5
AP WE 112	Drywall/Acoustical Work Experience	16
TOTAL UNITS		38.5

COURSE OFFERINGS

AP AC 197 Acoustical Topics**(.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.

Note: May be taken 4 times

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

AP AC 201 Orientation**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Prerequisite: Indentured apprentice to a designated Joint Apprenticeship and Training Committee

Note: Cross listed as AP DL 201/AP PL 201; may be taken two times

Designed to introduce the apprentice to the Interior Systems program. The content of the course will include safe and proper use of hand tools, power tools, trade related math, beginning print reading and layout as well as safety certifications. Certifications will include scaffold erector/dismantler (welded frame) and low velocity powder actuated tools.

AP AC 202 Safety and Health Certifications**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: Cross listed as AP DL 202/AP PL 202; may be taken two times

Provides safety and health training that meets the needs of the Interior Systems industry. The content of the course will include certification in Power Industrial Trucks, Aerial Lift, American Red Cross First Aid / CPR / AED, and OSHA 10.

AP AC 203 Printreading**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: Cross listed as AP DL 203/AP PL 203; may be taken two times

Introduces basic visualization skills needed for reading and interpreting construction prints. Identifies the various components of a typical drawing and highlights their significance. Views, elevations, and the role of specifications as they relate to prints will be discussed. Students will complete a basic layout using information from a typical print for a commercial project.

AP AC 204 Advanced Printreading**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Prerequisite: A minimum grade of 'C' in AP AC 203/AP DL 203

Note: Cross listed as AP DL 204; may be taken two times

Will provide in-depth training for on-the-job print reading scenarios. Basic print reading concepts, presented in Printreading, will be reviewed. The role of codes and regulations will be discussed. Advanced layout tasks and solutions to typical construction problems using plans and specifications for a commercial construction project will be included.

AP AC 205 Acoustical Ceilings**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: May be taken 2 times

Instruction in acoustical ceilings, seismic codes and the theory behind them. Wall molds and trims, ceiling layout and material identification. Students will install ceilings using the technical knowledge and skills.

AP AC 206 Standard Acoustical Grids**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: May be taken 2 times

Designed with classroom instruction but will focus more on acoustical grid installation such as 2 x 4 and 2 x 2 flat AH@ pattern, radius, gable and diagonal ceilings.

AP AC 207 Suspended Ceilings**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: May be taken 2 times

Instruction in the technical skills required to install circular ceilings with drops, drywall suspension grid in both square and circular areas.

AP AC 208 Soffits**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: May be taken 2 times

Provides the student with more advanced knowledge and skill in the acoustical

industry. Class will focus on square and slant faced, tapered, concealed, drywall suspension and sloped soffits.

AP AC 209 Prefab/Sound Panels**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: May be taken 2 times

Focuses on the technical knowledge and skills needed for the installation of pre-fabricated wall and ceiling panel systems. Acoustical principles and the theory of sound will be discussed.

AP AC 210 Concealed/Glue-Up/Staple-Up System**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: May be taken 2 times

Designed to show concealed and semi-concealed ceilings and soffits, glue-up and staple-up. Both technical knowledge and skills will be used in assembling these ceilings.

AP AC 211 Compasso**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: May be taken 2 times

Advanced instruction and application in concealed systems to include installation of air bars, double soffits and compasso. Hand tools are mandatory.

AP AC 212 Metal Pan and Security Systems**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: May be taken 2 times

Focuses on the technical knowledge and skills needed to work with these "high end" products.

AP AC 213 Advanced Acoustical Installation**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: May be taken 2 times

Identifies the materials and methods used for the advanced installation of acoustical ceilings. Installation for custom and intricate grid systems will be discussed. Green building rating systems will be applied to selected acoustical materials. Students will use the skills presented to complete a complex acoustical ceiling project as part of this course.

AP AC 214 Advanced Acoustical Layout**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: May be taken 2 times

Explains the advanced layout methods used to complete complex acoustical system installations. Seismic codes and requirements are also reviewed. Layout techniques for establishing intricate geometric designs for ceiling grids will be discussed and practiced. Students will use the skills presented to complete selected multifaceted acoustical ceiling layout projects as part of this course.

AP AC 215 Drywall Acoustical Ceilings**(1.5)**

1 hour lecture - 1 ½ hours laboratory

Note: May be taken 2 times

Identifies the materials and methods used for the installation of acoustical ceilings. Seismic codes, materials, and requirements are also reviewed. Installation for various grid systems will be discussed. Students will use the skills presented to complete an acoustical ceiling project as part of this course.

Carpentry (AP C)

A four-year apprenticeship program. Applicants for this program should be directed to the Carpenters Joint Apprenticeship and Training Committee for Southern California, San Diego Carpenters Training Center, 8595 Miralani Drive, San Diego, CA 92126. Telephone (858) 621-2667.

**A.A. DEGREE MAJOR OR
CERTIFICATE OF ACHIEVEMENT****Program Requirements**

AP C 201	Orientation
AP C 202	Safety and Health Certification
AP WE 111	Carpentry Work Experience

Units

1.5
1.5
16