

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, laboratory, or lecture/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 1/2 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
Introduction to the Interior Systems program. Content includes safe and proper usage of hand tools, power/powder tools, an introduction to trade related math, beginning blueprint reading and layout. Certifications will include Ramset/Red Head or Hilti low velocity power/powder actuated tools and scaffold erector/dismantler (welded frame).

AP AC 202 Safety and Health Certifications (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: Cross listed as AP DL 202/AP PL 202; may be taken two times
Designed to incorporate learning theories, methods and techniques that meet the needs of the Interior Systems industry. Content includes certification in forklift, aerial lift, American Red Cross, First Aid/CPR and OSHA 10.

AP AC 203 Printreading (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: Cross listed as AP DL 203/AP PL 203; may be taken two times
This course is designed to teach the basics of reading, understanding and visualizing the blueprints. Terms, symbols and definitions from several trades will be incorporated. Prints showing both residential and commercial application will be used. Related safety, math and blueprint reading will be covered.

AP AC 204 Advanced Printreading (1.5)
1 hour lecture-1 1/2 hours laboratory
Prerequisite: A minimum grade of 'C' in AP AC 203/AP DL 203
Note: Cross listed as AP DL 204/AP PL 204; may be taken two times
This course will give the student more in depth training related to on the job conditions. Basic estimating, material take offs and organizing jobs will be included.

AP AC 205 Acoustical Ceilings (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
Instruction in acoustical ceilings, seismic codes and the theory behind them. Practical application in wall molds and trims, ceiling layout and material identification.

AP AC 206 Standard Acoustical Grids (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
Instruction in acoustical grid installation such as 2 x 4 and 2 x 2 flat "H" pattern, radius, gable and diagonal ceilings.

AP AC 207 Suspended Ceilings (1.5)
1 hour lecture-1 1/2 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 1/2 hours laboratory
Note: May be taken 2 times
Focus on advanced knowledge and skills required to construct square and slant faced, tapered, concealed, drywall suspension, and sloped soffits.

AP AC 209 Prefab/Sound Panels (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
Instruction in the technical knowledge and skills required for installation of sound panels and prefabricated wall and ceiling panel systems.

AP AC 210 Concealed/Glue-up/Staple-up System (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
Instruction in concealed and semi-concealed ceilings and soffits. Both technical knowledge and skills will be used in assembling these ceilings.

AP AC 211 Compasso (1.5)
1 hour lecture-1 1/2 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 1/2 hours laboratory
Note: May be taken 2 times
Instruction in the technical knowledge and skills needed to work with these "high end" products. Hand tools and gloves are mandatory.

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	Units
AP C 201 Orientation I	1.5
AP C 202 Orientation II	1.5
AP WE 111 Carpentry Work Experience	16
Electives (Select 14 courses)	
AP C 203 Blueprint I	1.5
AP C 204 Blueprint II	1.5
AP C 205 Foundations	1.5
AP C 206 Flatworks	1.5
AP C 207 Tilt-Up	1.5
AP C 208 Wall Forms	1.5
AP C 209 Gang Forms	1.5
AP C 210 Patented Forming Systems	1.5
AP C 211 Architectural Concrete	1.5
AP C 212 Column Forms	1.5
AP C 213 Beam & Deck Forming	1.5
AP C 214 Wall Framing I	1.5
AP C 215 Wall Framing II	1.5
AP C 216 Floor Framing	1.5
AP C 217 Stair Building I	1.5
AP C 218 Stair Building II	1.5
AP C 219 Exterior Details I	1.5
AP C 221 Roof Framing I	1.5
AP C 223 Metal Framing	1.5
AP C 225 Formwork Problems	1.5
AP C 226 Bridge Construction	1.5
AP C 227 Stairs & Ramps	1.5
AP C 228 Stair Trim	1.5
AP C 229 Basic Cabinetry	1.5
AP C 230 Cabinetry Installation	1.5
AP C 235 Residential/Commercial Molding	1.5
AP C 236 Plastic Laminates	1.5
AP C 237 Introduction to Door Hardware	1.5
AP C 238 Wood/Metal Jamb and Pre-hung Doors	1.5
AP C 239 Hinge and Door-Closure Hardware	1.5
AP C 240 Cylindrical and Mortise Locksets	1.5
AP C 245 Commercial Fixtures	1.5
AP C 246 Showcases and Loose Store Fixtures	1.5
AP C 247 Basic Suspended Scaffold	1.5
AP C 248 Advanced Suspended Scaffold	1.5
AP C 249 Basic Systems Scaffold	1.5
AP C 250 Intermediate Systems Scaffold	1.5

AP C 251	Advanced Systems Scaffold	1.5
AP C 252	Basic Frame Scaffold	1.5
AP C 253	Intermediate Frame Scaffold	1.5
AP C 254	Advanced Frame Scaffold	1.5
AP C 255	Basic Tube & Clamp Scaffold	1.5
AP C 256	Confined Space	1.5
AP C 257	Specialty Scaffold Applications	1.5
AP C 258	Scaffold Reshoring	1.5
AP C 259	Scaffold - Printreading	1.5
AP C 260	Scaffold - Advanced Printreading	1.5
AP C 197	Carpentry Topics	1.5
TOTAL UNITS		40

COURSE OFFERINGS

AP C 197 Carpentry Topics (.5-4)

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

Prerequisite: Indentured apprentice to the Carpenters Joint Apprenticeship and Training Committee for Southern California

Note: May be taken 4 times

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

AP C 201 Orientation I (1.5)

1 hour lecture-1/2 hours laboratory

Prerequisite: Indentured apprentice to the Carpenters Joint Apprenticeship and Training Committee for Southern California

Note: May be taken 2 times

This course will introduce the use of various hand and power tools used in the trade. Students will be introduced to the history of trade apprenticeships. Construction math and job site safety practices will also be covered.

AP C 202 Orientation II (1.5)

1 hour lecture-1/2 hours laboratory

Prerequisite: AP C 201

Note: May be taken 2 times

This course will provide the apprentice with various safety competencies. A student will demonstrate the ability to construct a welded frame scaffold to OSHA standards as well as the operation of a lift truck. In addition they will be introduced to blueprints and their use.

AP C 203 Blueprint I (1.5)

1 hour lecture-1/2 hours laboratory

Note: May be taken 2 times

This course is the first of two classes in blueprint reading. The course will cover the fundamental functions and structure of blueprints. Construction drawings, line symbols, freehand sketching as well as pictorial drawings will be covered.

AP C 204 Blueprint II (1.5)

1 hour lecture-1/2 hours laboratory

Prerequisite: AP C 203

Note: May be taken 2 times

This course is the second of two classes in blueprint reading. This course will cover foundation prints, commercial prints, residential prints and estimating. Construction specifications will also be covered.

AP C 205 Foundations (1.5)

1 hour lecture-1/2 hours laboratory

Note: May be taken 2 times

This course will focus on the use of concrete in the construction industry. Basic layout techniques will be studied and applied for foundations. Related safety, math and blueprint reading will be covered.

AP C 206 Flatworks (1.5)

1 hour lecture-1/2 hours laboratory

Note: May be taken 2 times

This course is designed to show the various applications of forming to include slab-on-grade, driveways and walks, and curb and gutter forms. Related safety, math and blueprint reading will be covered.

AP C 207 Tilt-Up (1.5)

1 hour lecture-1/2 hours laboratory

Note: May be taken 2 times

This course is designed to give an overview of the Tilt-up industry. Form techniques and panel hardware will be discussed. Related safety, math and blueprint reading will be covered.

AP C 208 Wall Forms (1.5)

1 hour lecture-1/2 hours laboratory

Note: May be taken 2 times

This course will introduce the basic techniques of poured-in-place concrete wall form construction. Related safety, math and blueprint reading will be covered.

AP C 209 Gang Forms (1.5)

1 hour lecture-1/2 hours laboratory

Note: May be taken 2 times

This course will present the various applications of pre-fabricated wall forming systems. Related safety, blueprint reading will be covered.

AP C 210 Patented Forming Systems (1.5)

1 hour lecture-1/2 hours laboratory

Note: May be taken 2 times

Proprietary wall forming systems such as Atlas, EFCO, and Symons are an integral part of the concrete industry. Students will be instructed in the application and rigging of these systems.

AP C 211 Architectural Concrete (1.5)

1 hour lecture-1/2 hours laboratory

Note: May be taken 2 times

In this course the forming of poured-in-place columns will be covered, with instruction and practice in both job-built.

AP C 212 Column Forms (1.5)

1 hour lecture-1/2 hours laboratory

Note: May be taken 2 times

In this course the forming of poured-in-space columns will be covered, with instruction and practice in both job-built and the proprietary systems, and the shoring and forming of drop heads. Estimating, safety, and rigging of materials will be included. Math and blueprint reading will be covered.

AP C 213 Beam and Deck Forming (1.5)

1 hour lecture-1/2 hours laboratory

Note: May be taken 2 times

This course will introduce the use of various wood and patented forming systems used in the construction of concrete beams and decks. Metal beam forms and capitals will be taught in this class. Layout and builders level skills will be used in this class.

AP C 214 Wall Framing I (1.5)

1 hour lecture-1/2 hours laboratory

Note: May be taken 2 times

This course provides an introduction to the theory and practice of wall framing. Students start by learning to read floor plans, and then laying out wall locations, plate and detail, as well as openings and structural connections. Construction math and job site safety practices will also be covered.

AP C 215 Wall Framing II (1.5)

1 hour lecture-1/2 hours laboratory

Prerequisite: AP C 214

Note: May be taken 2 times

This class covers layout, assembly, and erection of both standard and raked walls. Application of bracing, plumbing and aligning walls will also be covered. Construction math, blueprint reading and job site safety practices will also be covered.

AP C 216 Floor Framing (1.5)

1 hour lecture-1/2 hours laboratory

Note: May be taken 2 times

This course will cover the layout and construction of both residential and commercial floor framing. The use of building codes and blueprint reading will be covered. Fall protection along with job site and math will also be covered.

- AP C 217 Stair Building I (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 Stair construction is an integral part of carpenter's trade. This course presents stair theory, related mathematics, code requirements and basic layout stringers, treads and risers. Students will layout, cut and erect a straight-run stair. Blueprint reading and safety will also be covered.
- AP C 218 Stair Building II (1.5)**
1 hour lecture-1 ½ hours laboratory
Prerequisite: AP C 217
Note: May be taken 2 times
 This course builds upon the concepts presented in Stair Building I. This class will teach students about winders, u-shaped and radius stair building, as well as code requirements and mathematical calculations. Blueprint reading and safety will also be covered.
- AP C 219 Exterior Details I (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 This course teaches students to read blueprints related to building exteriors such as elevations, sections, and schedules. Construction of structural and architectural elements such as balconies, fireplaces, bay windows, columns and pop-outs. Blueprint reading, mathematical calculations and safety will also be covered.
- AP C 220 Exterior Details II (1.5)**
1 hour lecture-1 ½ hours laboratory
Prerequisite: AP C 219
Note: May be taken 2 times
 A continuation of Exterior Details I, this course will review the reading of relevant drawings, and include hands-on training in window installation, door and window trim, as well as various sidings and trims. Mathematical calculations and safety will also be covered.
- AP C 221 Roof Framing I (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 Roof construction is one of the most challenging and satisfying facets of carpentry. This basic course will introduce rafter theory and layout. Students will construct a gable roof using conventional and truss methods. Mathematical calculations for various rafter lengths and safety will also be covered.
- AP C 223 Metal Framing (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 This course introduces the student to the technology of metal framing. Tools and materials will be covered along with floor and wall construction, including openings and structural connections, and metal truss roof systems. Mathematical calculations for various rafter lengths and safety will also be covered.
- AP C 225 Formwork Problems (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 This course will address form design, material estimating and problems relative to form construction. Related safety, math and blueprint reading will be covered.
- AP C 226 Bridge Construction (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 This course is to give an overview of basic bridge construction. Related safety, math and blueprint reading will be covered.
- AP C 227 Stairs & Ramps (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 This course is designed to teach the various techniques used to form stairs and ramp structures. Related safety, math and blueprint reading will be covered.
- AP C 228 Stair Trim (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 Covers a variety of moldings, installation for interior stairs, blueprint, and finish schedules, math and related safety regulations.
- AP C 229 Basic Cabinetry (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 Introduction to basic cabinet construction. Blueprint and finish schedules will be covered as well as related safety and math.
- AP C 230 Cabinetry Installation (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 Students will learn how to install base and wall-hung cabinets, learn scribing techniques, and how to read blueprint and finish schedules. Related safety and math will also be covered.
- AP C 235 Residential/Commercial Molding (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 Introduction to various moldings and the specific installation techniques of each. Blueprint, finish schedules, related safety and math will also be covered.
- AP C 236 Plastic Laminates (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 Introduction to the manufacture and installation of plastic laminates on horizontal and vertical surfaces to include instruction in cutting and scribing. Blueprint, finish schedules, and related safety and math will also be covered.
- AP C 237 Introduction to Door Hardware (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 Introduction to doors and door hardware schedules, specifications and manufacturer's catalogs. Fire codes that govern the hardware industry as well as how to identify various door hardware including locksets, closures, hinges, panic hardware and door sweeps etc. Blueprint, finish schedules, and related safety and math will also be covered.
- AP C 238 Wood/Metal Jambs and Pre-hung Doors (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 Introduction to the various types of metal and wood door jambs and instruction on proper assembly. Shop demonstrations will include proper installation and techniques to scribe a new door to an existing jamb. Blueprint, finish schedules, and related safety and math will also be covered.
- AP C 239 Hinge and Door-Closure Hardware (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 Introduction to the selection and installation of proper hinge and door-closure hardware. Blueprints, finish schedules, and related safety and math will also be covered.
- AP C 240 Cylindrical and Mortise Locksets (1.5)**
1 hour lecture-1 ½ hours laboratory
Note: May be taken 2 times
 Introduction to proper selection and installation of cylindrical and mortise locksets and exit devices. Students will gain hands-on experience in the proper selection of power tools for installing various types of locksets in commercial and residential properties. Blueprint, finish schedules, and related safety and math will also be covered.

- AP C 245 Commercial Fixtures (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 This course includes print interpretation and fabrication techniques used in the preparation and installation of commercial store fixtures. An emphasis will be placed on accurate measuring, proper hand and power tool use, and safety. Students will calculate materials to create cut lists, and fabricate, assemble and install wall panel and valance fixtures.
- AP C 246 Showcases and Loose Store Fixtures (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 This course includes the basic cabinetmaking skills and construction techniques used in the installation of commercial store fixtures. An emphasis will be placed on measuring, hand and power tool use and safety. Students will interpret prints and material bills for the handling, locating and accurate placement of showcase components and loose store fixtures.
- AP C 247 Basic Suspended Scaffold (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Basic techniques and procedures associated with suspended scaffolds. The terminology and use of scaffold components in a cable suspended configuration will be the focus of this training. Construction practices and safety will be taken into consideration as students erect equipment using project design plans for this cable suspended scaffold.
- AP C 248 Advanced Suspended Scaffold (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Advanced techniques and procedures required when constructing suspended scaffolds supported by structural members. Students will identify the suitable structural components for this application type. The methods used to determine load bearing capability of structural elements will be presented. The hazards and precautionary techniques associated with safely building this type of suspended platform will be the focus of this training.
- AP C 249 Basic Systems Scaffold (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Basic techniques and procedures associated with systems scaffold components. Terminology and components unique to this category of equipment will be discussed. Construction practices and safety considerations will be a major focus of the class. Students will identify and erect equipment using the custom configurations for jobsites where this type of scaffold is most frequently utilized.
- AP C 250 Intermediate Systems Scaffold (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Enhancement of basic system scaffold erecting ability through the application of cantilevered design methods. The variation of standard system construction techniques and procedures necessary to safely erect platforms extending beyond a typical scaffold base arrangement will be covered. Students will apply methods and erect equipment using custom configurations for jobsites where this type of skill is most valuable.
- AP C 251 Advanced Systems Scaffold (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Advanced techniques and procedures required when constructing scaffolds used in industrial boiler installation or repair applications. Students will identify surface obstacles and unique shapes indicative of this application. Students will apply common solutions for bridging voids and following equipment contours to construct the selected industrial simulated scaffold projects.
- AP C 252 Basic Frame Scaffold (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Basic techniques and procedures associated with frame scaffold components. The terminology and components unique to this category of equipment will be discussed. Construction practices and safety considerations will be a major focus of the class. Students will identify and erect equipment using basic configurations suitable for jobsites where this type of scaffold is most frequently utilized.
- AP C 253 Intermediate Frame Scaffold (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Augmentation of basic frame scaffold erecting ability through the introduction of obstacle and height problem solving skills. The variation of standard construction techniques and procedures necessary to accommodate structural, equipment or overhead restrictions will be provided. A major focus of the class will be construction practices and safety considerations. Students will identify and erect equipment using custom configurations for jobsites where this type of skill is most valuable.
- AP C 254 Advanced Frame Scaffold (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Advanced techniques and procedures associated with ground supported frame scaffold. Use of scaffold components for construction of various heavy-duty (industrial) elevated platforms will be the focus of this training. Safety precautions, building procedures and material utilization will be incorporated into the assigned tasks. Students will erect heavy-duty large scale platform scaffolds using project plans and designs for this industrial scaffold application.
- AP C 255 Basic Tube and Clamp Scaffold (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Basic techniques and procedures associated with tube and clamp scaffold components and erection methods. The terminology and components unique to this category of equipment will be discussed. Construction practices and safety considerations will be a major focus of the class. Students will identify and erect equipment using the custom configurations for jobsites where this type of scaffold is most frequently utilized.
- AP C 256 Confined Space (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Instruction in safe access, entry and monitoring methods for confined space. Both CAL-OSHA and Federal OSHA regulation are covered in detail. The importance of a respirator fit test and respiratory protection training are covered in this course.
- AP C 257 Specialty Scaffold Applications (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Specialty scaffold applications focusing on ramps, chutes, and mobile towers suitable for light and heavy duty use. Students will identify the characteristics of commercial and industrial scaffold construction. The selected projects for this class will introduce the techniques and procedures used for access/egress, debris handling, and maintenance scaffolds.
- AP C 258 Scaffold Reshoring (1.5)**
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Presents modified principles and techniques for the use of shoring equipment in a re-shore application. The importance of uniform loading and alignment of tower/tandem tower configurations will be explained. Students will identify and erect scaffold equipment using three types of configurations suitable for scaffold re-shoring purposes.

AP C 259 Scaffold-Printreading (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Fundamentals of reading construction prints. Scaffold print views, lines, dimensioning methods, symbols and details will be covered. In addition to print interpretation, sketching techniques will be introduced and students will draw several scaffold views incorporating the basic print elements presented during the class.

AP C 260 Scaffold-Advanced Printreading (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 Expansion of basic printreading ability to include project take-off, estimation, and layout accuracy. Methods used to determine datum and reference locations will be covered. References will be taken from multi-view drawings and students will evaluate the information to locate and orient scaffold for accurate site placement.

Drywall/Lather (AP DL)

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 PL 205 Basic Lathing	1.5
AP DL 206 Framing Ceilings and Soffits	1.5
AP DL 207 Basic Metal Framing	1.5
AP DL 208 Framing Suspended Ceilings	1.5
AP DL 209 Framing Curves and Arches	1.5
AP DL 210 Light Gage Welding - AWS	1.5
AP WE 112 Drywall/Acoustical Work Experience	16
Electives (Select 3 courses)	
AP DL/AP PL/ AP AC 204 Advanced Printreading	1.5
AP DL 211 Light Gage - L.A. City Certificate	1.5
AP DL 212 Basic Hand Finishing	1.5
AP DL 213 Drywall Acoustical Ceilings	1.5
AP DL 214 Door/Door Frames	1.5
AP DL/ AP PL 215 Exterior Insulation Finish Systems	1.5
AP DL/ AP PL 216 Firestopping Procedures	1.5
AP DL 217 Free-Form Lathing	1.5
AP DL 218 Machine Taping	1.5
AP DL 219 Hand Taping	1.5
AP DL 220 Gypsum Board Application and Finish Trim	1.5
AP DL 221 Advanced Hand Tool Finishing	1.5
AP DL 222 Advanced Machine Tool Finishing	1.5
TOTAL UNITS	34

COURSE OFFERINGS

AP DL 197 Drywall/Lather Topics (.5-4)
 Units awarded in topics courses are dependent upon the number of hours required of the student. Any combination of lecture, laboratory, or lecture/laboratory may be scheduled by the department. Refer to Class Schedule.

Prerequisite: Indentured apprentice to the Carpenters Joint Apprenticeship and Training Committee for Southern California
Note: May be taken 4 times
 Topics in Drywall/Lather. See Class Schedule for specific topic offered. Course title will designate subject covered.

AP DL 201 Orientation (1.5)
1 hour lecture-1 1/2 hours laboratory
Prerequisite: Indentured apprentice to a designated Joint Apprenticeship and Training Committee
Note: Cross listed as AP PL 201/ AP AC 201; may be taken two times
 Introduction to the Interior Systems program. Content includes safe and proper usage of hand tools, power/powder tools, an introduction to trade related math, beginning blueprint reading and layout. Certifications will include Ramset/Red Head or Hilti low velocity power/powder actuated tools and scaffold erector/dis-mantler (welded frame).

AP DL 202 Safety and Health Certifications (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: Cross listed as AP PL 202/ AP AC 202; may be taken two times
 Designed to incorporate learning theories, methods and techniques that meet the needs of the Interior Systems industry. Content includes certification in forklift, aerial lift, American Red Cross, First Aid/CPR and OSHA 10.

AP DL 203 Printreading (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: Cross listed as AP PL 203/ AP AC 203; may be taken two times
 This course is designed to teach the basics of reading, understanding and visualizing the blueprints. Terms, symbols and definitions from several trades will be incorporated. Prints showing both residential and commercial application will be used. Related safety, math and blueprint reading will be covered.

AP DL 204 Advanced Printreading (1.5)
1 hour lecture-1 1/2 hours laboratory
Prerequisite: A minimum grade of 'C' in AP DL/AP AC 203
Note: Cross listed as AP PL 204/ AP AC 204; may be taken two times
 This course will give the student more in depth training related to on the job conditions. Basic estimating, material take offs and organizing jobs will be included.

AP DL 205 Basic Lathing (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: Cross listed as AP PL 205; may be taken 2 times
 This course will cover the different styles and techniques of structural framing compared to light gage framing. Proper waterproofing, lath or drywall and trim will be explained, demonstrated and applied to the framing. Related safety, math and blueprint reading will be covered.

AP DL 206 Framing Ceilings and Soffits (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 This course is designed to provide instruction in the basics of framing ceilings and soffits with drywall and lath application. Related safety, math and blueprint reading will be covered.

AP DL 207 Basic Metal Framing (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 An in-depth study of basic material identification, print layout, framing, drywall applications and proper trim applications for the Drywall/Lath industry. Safety, math and blueprint reading will be covered.

AP DL 208 Framing Suspended Ceilings (1.5)
1 hour lecture-1 1/2 hours laboratory
Note: May be taken 2 times
 This course is designed to provide related classroom instruction with the technical skills and knowledge to successfully frame any suspended ceiling in drywall and lath. Related hand and power tool safety, math and blueprint reading will be covered.