

Drywall/Lather Course Descriptions

Orientation
Safety & Health Certifications
Basic Hand Finishing
Basic Metal Framing
Automatic Taping Tools
Basic Lathing
Drywall Installation / Finish Trims
Framing Ceilings & Soffits
Advanced Hand Finishing
Printreading
Advanced Automatic Taping Tools
Framing Suspended Ceilings
Wet Wall Finishes
Framing Curves & Arches
Ceilings and Soffits
Drywall Acoustical Ceilings
Advanced Printreading
Decorative Trims and Textures
Door / Door Frames
Firestop / Fireproofing
Exterior Insulation Finish Systems (EIFS)
Free-Form Lathing
Light Gage Welding - AWS

ORIENTATION **(40 Hours)**

This course is 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.

SAFETY & HEALTH CERTIFICATIONS **(40 Hours)**

This course will provide 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.

BASIC HAND FINISHING **(40 Hours)**

This course develops basic hand finishing skills using the correct tools and materials. The training will include a description of finishing levels, hand tool manipulation, material identification, selection, and mixture preparation. Key processes and application techniques will be presented. Students will review plans and specifications, calculate and select materials, and complete a wall project to a level four finish.

BASIC METAL FRAMING **(40 Hours)**

Designed to familiarize students with the light gage steel products used in the interior systems industry, this course identifies framing materials, tools, and building methods. Framing construction procedures, drywall application, and attachment of various types of trim will be discussed. Basic math and print reading will be covered as will tool-related safety concerns. Students will use the skills presented to complete a metal framing project as part of this course.

AUTOMATIC TAPING TOOLS **(40 Hours)**

This course will present basic automatic tool techniques and introduce finish schedule interpretation. Hands on instruction with machine tools and the importance of proper use, assembly and breakdown will be included. Basic maintenance and repair techniques and safe handling will be demonstrated. Sanding selections will be reviewed.

BASIC LATHING **(40 Hours)**

This course presents the basic lathing methods used in the industry for exterior/interior installations. Waterproofing, lath and trim installation procedures will be explained and demonstrated. Basic math and print reading will be covered as will tool-related safety concerns. Students will use the skills presented to complete a lathing project as part of this course.

DRYWALL INSTALLATION / FINISH TRIMS **(40 Hours)**

This course will introduce drywall handling methods, applications and recommended levels of drywall finish to achieve the desired aesthetics. An emphasis will be placed on trim attachment and finishing techniques. Various types of finish trim will be identified. Students must demonstrate proficiency in the proper use of automatic taping tools.

FRAMING CEILINGS & SOFFITS **(40 Hours)**

This course identifies the materials used and their application for various types of fire rated walls, ceilings and soffits. It presents methods and procedures used for layout and template development. Drywall and trim applications are discussed. The types of tools used and their associated safety, applied math and print reading fundamentals are reviewed. Students will use the skills presented to complete a ceiling and soffit project as part of this course.

ADVANCED HAND FINISHING **(40 Hours)**

This course will focus on advanced methods and applications using hand tool techniques. The proper sequence of operation, phases and materials to be used in order to produce a higher level finished product to industry standards. Curved and radius wall characteristics for finish levels will be discussed. The course will cover wall frame components, materials used, surface preparation, and application methods. Students will complete a project to a level five standard.

PRINTREADING **(40 Hours)**

This course introduces basic visualization skills needed for reading and interpreting construction prints. It will identify the various components of a typical drawing and highlight 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.

ADVANCED AUTOMATIC TAPING TOOLS **(40 Hours)**

This course will advance the methods, applications and sequences of the bazooka, skim boxes, nail spotters, angle boxes and ergonomics. Students will be required to demonstrate the ability to tape in different situations and the ability to coat all field and butt joints. The levels of finishing and the various finish trims will be discussed. The operation of automatic taping and finishing machine tools including those newly introduced to the industry will be covered.

FRAMING SUSPENDED CEILINGS **(40 Hours)**

This course identifies the materials used for various types of suspended ceilings and drywall grid systems. The principles of suspension layout, suspension methods, and attachment procedures will be presented. Advanced shapes such as domes and stepped soffits will be covered. The types of tools used and their associated safety, applied math and print reading fundamentals are reviewed. Students will use the skills presented to complete a suspended ceiling project as part of this course.

WET WALL FINISHES **(40 Hours)**

This course will present the industry application methods and product mediums typically used for wet wall finishes. The techniques and procedures used to achieve a level five finish to industry standards requires base and top coating of interior surfaces for inspection purposes. Selection and use of painting equipment and coatings will be included in the training.

FRAMING/CURVES & ARCHES **(40 Hours)**

This course provides instruction in framing methods for curves and arches and their related structural limitations. It identifies the various wall and ceiling types and the layout principles, and materials used for each Lath applications and trim are also discussed. Students will use the skills presented to complete a framing project that includes curves and arches as part of this course.

CEILINGS & SOFFITS **(40 Hours)**

This course is designed to provide an advanced level of finishing skill for applications with architecturally detailed ceilings and soffits. Students will be required to determine type and quantity of materials for various designs and differentiate between levels of finish. Guided practice with a combination of hand and automatic tool techniques will promote manipulative ability required for a successful result. A variety of finish trims will be integrated into each method of finish. Training will conclude with inspection criteria for evaluating finish levels.

DRYWALL ACOUSTICAL CEILINGS **(40 Hours)**

This course 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.

ADVANCED PRINTREADING **(40 Hours)**

This course 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.

DECORATIVE TRIMS & TEXTURES **(40 Hours)**

This course provides advanced hand and automatic tool finishing techniques used to apply decorative trims and special surface textures. Training includes product information for metal, paper, plastics and art beads. Special attention will be given to coating and sanding sequence of field and butt joints for selected surface textures.

DOOR / DOOR FRAMES**(40 Hours)**

Designed as an introduction to the doors and door frames used in the interior systems industry, the course discussions will incorporate applicable regulations governing door openings and door selection. Hardware, controlling and locking devices, and door layout and installation techniques will be included. Basic math and print reading will be covered as will tool-related safety concerns. Students will use the skills presented to complete a selected door and door frame installation project as part of this course.

FIRESTOP / FIREPROOFING**(40 Hours)**

An introduction to firestopping, this course will cover types of firestop systems and methods of fire control. Various fire codes and standards for testing firestopping will be reviewed. Basic penetration types and the materials used, including non-combustibles and B-Expands, will be covered. Students will apply and test firestopping material in a controlled environment.

EXTERIOR INSULATION FINISH SYSTEMS (EIFS)**(40 Hours)**

This course is an introduction to exterior insulation finish systems including terminology, definitions, specifications, and properties. It will deal with reinforcing mesh installation and the application of insulation board. Application methods and techniques for primers and finishes will be presented. Students will use the skills presented to complete an EIFS installation project as part of this course.

FREE-FORM LATHING**(40 Hours)**

This course provides a comprehensive study of the theory and techniques used for the development of freeform lathing projects. This course will enable students to interpret gridline drawings, layout and build lath cage work and apply the appropriate lath(s) to achieve the desired or designed form or structure.

LIGHT GAGE WELDING - AWS**(40 Hours)**

This course covers light gage welding methods and techniques. American Welding Society (AWS) welding processes, symbols, materials and safety procedures will be presented. An emphasis on hands-on experience will reinforce proper use of the welding procedures applicable to the interior systems industry. Students will develop the practical skills needed to pass the AWS Light Gage Certification Welding Test.