

Competencies by Level & Discipline

Alignment with ADDA Curriculum Certification Requirements

Alignment with Examination Study & Preparation Criteria

Architectural Apprentice Drafter *

1. Professional Drafting Practices in the Workplace – Communications
2. Drafting Equipment – Media – Reproduction
3. Architectural Sketching – Orthographic Projection
4. Lines – Lettering – General Terminology
5. Mathematics and Geometry
6. Architectural Products – Styles – History – Identification and Terminology
7. Site Layout – Identifications and Terminology
8. Drawing Identification – Architectural Numbering – Drawing Management
9. Dimensioning and Notations
10. Floor Plan Layout – Relationships – Identification and Terminology
11. HVAC – Plumbing – Electrical Plans – Identification and Terminology
12. Roof Plans – Identification and Terminology
13. Elevations
14. Framing – Framing Plans – Identification and Terminology
15. Foundation Plans – Identification and Terminology
16. Sections, Stairs and Steps
17. Building Codes and Governing Bodies
18. Schedules – Doors – Windows – Finishes
19. Estimations – Specifications – Calculations
20. Definitions and Building Materials

Mechanical Apprentice Drafter *

1. Abbreviations – Terms – Identification
2. Drafting Equipment – Media – Reproduction
3. Shapes – Lettering – Geometric Symbolology
4. Dimensioning and Notations
5. Orthographic Projections – Identification and Terminology
6. Geometric Construction and Descriptive Geometry
7. MultiView Drawing – Identification and Terminology
8. Sectional Views – Identification and Terminology
9. Auxiliary Views – Identification and Terminology
10. Pictorials – Identification and Terminology
11. Basic Welding – Symbols – Identification and Terminology
12. Basic Tolerancing – GD&T
13. Basic Math and Geometry – Drafting Math
14. Drawing Implementation - Identification – Numbering – Drawing Management
15. Professional Drafting Practices in the Workplace – Communications

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Architectural Certified Drafter *

1. Abbreviations – Terms – Identification
2. Drafting Processes – Communication
3. Details – Notations
4. Site Drawings and Topography
5. Floor Plans and Layouts
6. Exterior Views – Elevations
7. Building Materials
8. Roofs and Roof Plans
9. Building Codes & ADA Codes
10. General Building Systems
11. Stairs and Steps
12. Electrical
13. HVAC
14. Schedules
15. Plumbing
16. Geometry – Lines – Math
17. Foundations

Mechanical Certified Drafter *

1. General Terminology - Identification
2. Equipment – Techniques – Drawing Rules and Principles
3. Dimensioning and Layouts
4. Descriptive Geometry
5. Multi View Drawing – Identification and Terminology
6. Sectional Views – Identification and Terminology
7. Pictorials – Identification and Terminology
8. Auxiliary Views – Identification and Terminology
9. Revolutions – Usage and Applications
10. Intersections – Usage and Applications
11. Geometric Dimensioning & Tolerancing
12. Working Drawings - Identification – Numbering
13. Threads – Fasteners – Connections – Welding
14. Drafting Math and Geometry
15. Drawing Management



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Notes.....

* Competencies are depicted based on the current expansion of the Apprentice, Certified Drafter and Certified Design Drafter Examinations now being developed, recently developed or revised.

All areas listed are covered in the current examinations. However the competencies listed, may be explained more specifically for clarification prior to the actual examination release.

Currently ADDA has released the Apprentice Examination, Revised Certified Drafter Examinations and the related Review Materials. NOTE... ALL are in ALPHA Format.... Therefor the examinations and materials are subject to errors and correction over the next 12 months.

ADDA will release the BETA versions in September of 2011.

ADDA will consider making special allowances based on the developmental and software operational errors if they occur. However, as of February 18, 2011 any errors should occur only within the areas of the format scores are delivered.

Examinations will be available on-line only.