



Coursing – Credits – Hours for the related Subject Matter

It is ADDA's intent to provide a fair and equal opportunity to all institutions to meet the hourly instruction in all subject matters related to training and education in the design drafting trade. In order to accomplish this fairness ADDA works to assure future employers an understandable baseline of hands-on instruction in each subject area.

ADDA bases Curriculum Certification on minimum contact hours related to physical instruction, required lab time, practical exposure time and research required to complete each specific study area using the following formulas to convert.

Program Identification

Scholastic Any program which is a post-secondary educational facility.
Offers an Associate Degree or Higher to program completers
All completers must have a High School Diploma or GED

Technical Any program which is a secondary or post-secondary facility
Offers a Diploma or Certificate to program completers

ADDA does not adjust training requirements based on program identification. Curriculum at a specified level is certified based on content and the delivery of the required drawing and design courses, mathematics, technical subjects and general coursing related to the profession.

Scholastic Program Conversion Data

1 Semester Hour	=	75 Contact Hours
1 Trimester Hour	=	65 Contact Hours
1 Quarter Hour	=	50 Contact Hours
1 College Lab Hour	=	15 Contact Hours

Technical Program Conversion Data

1 Clock Hour High School Class	=	150 Max Contact Hours for entire year
1 High School Block Class	=	150 Contact Hours for 1 HS Semester Class

The application of the above formulas cannot alone serve as a basis for conclusion, but it does produce a figure which special consideration should be given with respect to quantity of content and additional academic level of courses when included in the curriculum. **Hours listed below must be converted to Clock Hours to obtain a useable baseline.**

Hour Type = Credit / Hours Course Identification – Enter one of the following

S=Semester T=Trimester Q=Quarter L= Lab Hour C=Clock Hours B=Block Hour

Space A = Total Course Hours converted to Clock Hours

Space B = Total Lab Hours per Course (Does not apply to High School and Some Post-Secondary Programs)

Space C = Outside Work and Special Projects

Total = Total Clock Hours of all Course Hours

Examples of Scholastic Program Analysis on the following page

Scholastic Program Example

Program Type Scholastic Hour Type Semester X Trimester Quarter

Technical Drawing & Design – Related Coursing (including CAD)

Engineering Graphics I 1 credit hour - 2 lab hours			
A Course Hours 75	B. Lab Hours 30	C. Outside Hours 20	Total 125
CAD Drafting II 2 credit hours – 1 lab hour			
A Course Hours 150	B. Lab Hours 15	C. Outside Hours 30	Total 195

Continue with additional related coursing

Descriptive Geometry (Can be included in Technical Drawing Coursing – Additional Hours Req'd.)

Geometry 1 credit hour – 1 lab hour			
A Course Hours 75	B. Lab Hours 15	C. Outside Hours 0	Total 90
Pre Calculus 1 credit hour			
A Course Hours 75	B. Lab Hours 0	C. Outside Hours 0	Total 75

Continue with additional related coursing

Physical Sciences (Physics, Chemistry, Other Sciences)

Chemistry II 3 credit hours 2 lab hours			
A Course Hours 225	B. Lab Hours 30	C. Outside Hours 0	Total 255
Physics II 2 credit hours - 1 lab hour			
A Course Hours 150	B. Lab Hours 15	C. Outside Hours 0	Total 165

Continue with additional related coursing

Mathematics (Algebra I, Algebra II, Trigonometry – Analytic Geometry – Calculus – etc.)

Algebra I (1 credit hour) (0 lab hours)			
A Course Hours 75	B. Lab Hours 0	C. Outside Hours 0	Total 75
Calculus (1 credit hour) (0 lab hours)			
A Course Hours 75	B. Lab Hours 0	C. Outside Hours 0	Total 75

Continue with additional related coursing

Design Fundamentals (Strengths of Materials, Piping, Hydraulics, Welding, etc.)

Strength of Materials 2 credit hours			
A Course Hours 150	B. Lab Hours 0	C. Outside Hours 0	Total 150
Structural Design 2 credit hours – 1 lab hour			
A Course Hours 150	B. Lab Hours 15	C. Outside Hours 0	Total 165

Continue with additional related coursing

Related General Coursing (Word-processing, Computer, Business)

Speech (1 credit hour) (0 lab hour)			
A Course Hours 75	B. Lab Hours 0	C. Outside Hours 0	Total 75
Accounting I (1 credit hour)			
A Course Hours 75	B. Lab Hours 0	C. Outside Hours 0	Total 75

Continue with additional related coursing

Total Program Hours

(See Curriculum Instruction Pack Section II, Item 3 for required hours)



Program Type **Scholastic** Hour Type Semester _____ Trimester _____ Quarter _____

Technical Drawing & Design – Related Coursing (including CAD)

A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
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A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total

Continue with additional related coursing

Descriptive Geometry (Can be included in Technical Drawing Coursing – Additional Hours Reqd.)

A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
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A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total

Continue with additional related coursing

**Physical Sciences (Physics, Chemistry, Other Sciences)**

A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
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Continue with additional related coursing

Mathematics (Algebra I, Algebra II, Trigonometry – Analytic Geometry – Calculus – etc.)

A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
A Course Hours	B. Lab Hours	C. Outside Hours	Total
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A Course Hours	B. Lab Hours	C. Outside Hours	Total

Continue with additional related coursing

Design Fundamentals (Strengths of Materials, Piping, Hydraulics, Welding, etc.)

[illegible]

Continue with additional related coursing

Related General Coursing (Word-processing, Computer, Business)

[illegible]

Continue with additional related coursing

Total Program Hours

(See Curriculum Instruction Pack Section II, Item 3 for required hours)