

Carpenter Certificate

(Building Construction Technology – Associate of Applied Science Degree Path)

This certificate program is designed to equip students with the basic carpentry skills necessary to enter the construction industry. Through a blend of classroom theory and hands-on experience, students will be introduced to hand tools, power tools and other equipment commonly used in the industry. Lumber, concrete, and a variety of other materials and hardware, as well as math, blueprint reading, and cost estimation techniques will also be covered.

This certificate program is designed to prepare students for success in careers in the building construction industry, one of the largest industries in the United States today. The skills of a well-trained carpenter are in high demand. This program is well-suited for individuals who enjoy working with their hands in both indoor and outdoor environments. Those who graduate with this certificate are well-rounded in reading and interpreting construction drawings, selecting and utilizing the appropriate building materials, and using hand tools and power tools, both independently and in a team environment.

A certificate will be awarded to students who successfully complete the following courses:

Career Preparation and Related Courses		SUGGESTED SEQUENCE				CREDIT HOURS	CONTACT HOURS
ATAM 1000	Mathematics for the Trades I	■	□	□	□	4	64
CIVIL 1020	OSHA Construction Safety	■	□	□	□	3	48
ATBC 1200	Foundations & Framing	■	□	□	□	2	32
CIVIL 1105	Elementary Surveying	■	□	□	□	3	64
CNST 1180	Construction Systems and Prints	■	□	□	□	3	48
ATBC 1220	Construction Exterior Finishes	□	■	□	□	2	32
ATEE 1200	Residential Wiring & Renovations	□	■	□	□	2	32
ATMT 1650	Millwright Theory I	□	■	□	□	2	32
ATBC 1210	Construction Interior Finishes	□	■	□	□	2	32
ATTR 1150	Technical Report Writing	□	■	□	□	2	32
CNST 1160	Cost Estimating	□	□	■	□	2	32
ATPP 1200	Introduction to Plumbing	□	□	■	□	2	32
CNST 1126	Residential Builder's Pre-License	□	□	■	□	4	64
ATWD 1110	Fundamentals of Gas & Arc Welding	□	□	■	□	2	32
Total						35	576

In cases where prior training or education is documented, specific courses may be substituted for one or more of the above courses as conditions warrant with consent of the apprentice coordinator. Suggested alternate courses, which may also be used as electives toward an associate degree, are listed below for consideration.

Suggested Alternative/Elective Courses:

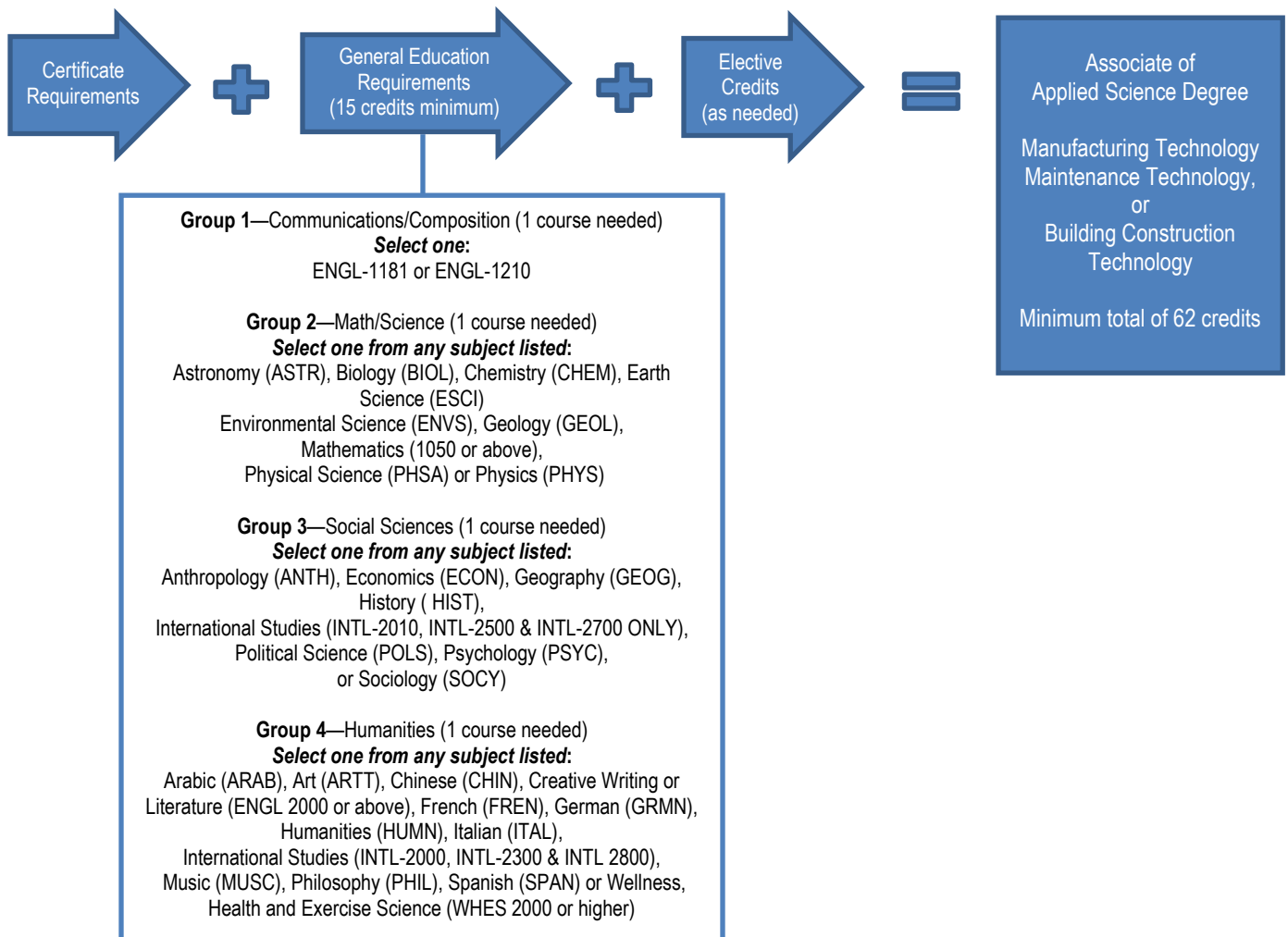
ATMT 1660	Millwright Theory II	CLCT 1200	Fundamentals of Air Conditioning & Refrigeration
ATEE 1000	Introduction to Electrical	ARCH 1010	Architectural Design 1
ATPP 1210	Drain, Waste & Vent	ATWD 1130	Shielded Metal Arc Welding 1 (SMAW)
ATPP 1220	Water Supply & Distribution Systems	ATWD 1140	Gas Metal Arc Welding (MIG)

SEE SECOND PAGE/REVERSE SIDE FOR ASSOCIATE DEGREE REQUIREMENTS

Associate of Applied Science Degree Requirements (Minimum 62 credit hours)

An Associate of Applied Science Degree is offered for those enrolled in or completing an Apprenticeship, Employee-In-Training, or Applied Technology General Certificate Program. Other College requirements apply, including the completion of the general education requirements, as well as attaining a minimum overall total of 62 credit hours. See Apprentice Coordinator or Advisor for details.

Students may graduate with an Associate of Applied Science Degree in Manufacturing Technology, Maintenance Technology or Building Construction Technology, depending on the Apprenticeship, Employee-In-Training or Applied Technology General Certificate Program area of specialty.



Information is subject to change. Please visit www.macomb.edu for the most current information.

For more information on the Carpenter Certificate Program at Macomb, contact the Applied Technology and Apprenticeship Department at 586.445.7414 or apprenticeship@macomb.edu .