

TRADESMAN	Course #	Hours	Cost	Days
CARPENTRY I	BUILD 200 (APP) 8601A2	75.0	\$340.00	Mon/Wed

This course provides the student with information, knowledge and skill level in rough and finish carpentry. The course will cover hand and power tools, construction of a house/storage shed and other structures. Instruction will focus in the area of framing, construction materials, building codes, and site preparation.

CARPENTRY II	BUILD 202 (APP) 8601 A4	75.0	\$340.00	Tues/Thurs
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This course is an advance level of Carpentry I class. Students are return students who have completed Carpentry I



CONCRETE FINISHER	BUILD 301 (T&I) 8701 T1	60.0	\$300.00	Tues/Thurs
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This course student's lay and bind building materials, such as brick, structural tile, concrete block, cinder block, glass block, and terra-cotta block, with mortar and other substances to construct or repair walls, partitions, arches, sewers, and other structures.

CONSTRUCTION SITE I	BUILD 101 (T&I) 8601 A6	60.0	\$300.00	Mon/Wed
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PREPARATION - This course offers broad based skills and practical hands on experience in Carpentry, Electricity, Plumbing and Roofing. Students will learn how to build, repair, set-up and clean-up of commercial and residential construction sites.

MASONRY	BUILD 222 (T&I) 8512 T1	75.0	\$320.00	Mon/Wed
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This course is designed to prepare students to understand and apply the basic principles of brick and block laying. Students will be required to lay various geometric of walls, stairs and corners

OSHA SAFETY TRAINING	OSHA 30	30.0	\$200.00	M T W Th
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Construction Training - To enable motivated citizens to compete for construction projects. This training is for participants to become OSHA 30 certified and to gain the knowledge and skills essential in working safely and effectively as a construction laborer. Successful participant of the training program will receive an OSHA 30 Certification Card.

ELECTRICITY I FIRST SEMESTER	ELECT 101 (APP) 8533A1	81.0	\$340.00	Mon/Wed
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Fundamental Calculations & Wiring - This program consists of electrical theory, AC/DC fundamentals, electrical wiring, Ohm's Law, devices, circuits, blueprint reading, Electrical Code application to home, business, and industries. National Electrical Code, trade math, trade terminology, and some trade science and physics will be introduced.

ELECTRICITY I SECOND SEMESTER	ELECT I02 (APP) 8534A2	81.0	\$340.00	Tues/Thurs
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Continuation Fundamental Calculations & Wiring - This program consists of electrical theory, AC/DC fundamentals, electrical wiring, Ohm's Law, devices, circuits, blueprint reading, Electrical Code application to home, business, and industries. National Electrical Code, trade math, trade terminology, and some trade science and physics will be introduced. (2/2 SEMESTERS - 162 HOURS)

ELECTRICITY II SECOND SEMESTER	ELECT 104 (APP) 8533A4	75.0	\$34 0.00	Mon/Wed
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Continuation Commercial/Industrial Calculations, Codes, Interpretations and Blue Print Reading - This is the second level of electricity and is a study and analysis of electrical theory and code application pertaining to commercial, industrial, and business projects. Additional application of Ohm's Law and electrical formulas are learned. Emphasis will be directed toward devices, circuits, and materials.

ELECTRICITY III SECOND SEMESTER	ELECT 106 (APP) 8533A6	45.0	\$220.00	Mon
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Continuation Residential/Business Calculations, Codes, Interpretations, and Blue Print Reading - This course consists of electrical Code application as it pertains to homes, businesses, and industries. Instructions on electrical blue print reading are provided.

ELECTRICITY IV SECOND SEMESTER ELECT 108 (APP) 8533A8 45.0 \$220.00 Mon

Continuation Motor Control, Codes, Interpretations and Blue Print Reading consist of electrical and mechanical components and how they are connected together to control different types of motors. Students will learn theory and practical application dealing with control relays, control circuits, electronic timer, overload relays, and motors. The course will provide a natural progression into the basic concepts needed to trouble-shoot control systems.



PLUMBING I FIRST SEMESTER BUILD 110 (APP) 8550A1 75.0 \$320.00 Mon/Wed

Techniques & Theory - Instruction will be given in the area of basic plumbing tools and terminology, pipes and fittings, joining pipes and fittings including plastic, copper, galvanized, black, no-hub, cast-iron, and spigots; soldering and brazing, trade math, safety, water heaters, sewage disposal drainage, fixture building drains and single line drawings. Students will focus on residential, commercial, and industrial installation practices including cross connections, gas codes, blue print reading, BOCA Mechanical code studies, and fire sprinklers.

PLUMBING I SECOND SEMESTER BUILD 112 (APP) 8551 A2 75.0 \$320.00 Tues/Thurs

Continuation of Techniques & Theory - in the area of basic plumbing tools and terminology, pipes and fittings, joining pipes and fittings including plastic, copper, galvanized, black, no-hub, cast-iron, and spigots; soldering and brazing, trade math, safety, water heaters, sewage disposal drainage, fixture building drains and single line drawings. Students will focus on residential, commercial, and industrial installation practices including cross connections, gas codes, blue print reading, BOCA Mechanical code studies, and fire sprinklers. (2 SEMESTERS - 150 HOURS)

PLUMBING II SECOND SEMESTER BUILD 123 (APP) 8552A4 75.0 \$320.00 Tues/Thurs

Continuation of Measurement & Blue Prints Reading – This course studies blue print reading and sketching, isometric pipe drawing, interpreting residential and commercial blue prints. Plumbing math is thoroughly explored during the first semester to serve as a foundation for the second semester’s course work.

PLUMBING III SECOND SEMESTER BUILD 133 (APP) 8553A6 45.0 \$220.00 Mon

Continuation of Residential/Commercial Codes - This course is a study and analysis of the plumbing codes that are followed by the craft persons to complete plumbing projects throughout the Commonwealth of Virginia.

 PLUMBING IV SECOND SEMESTER BUILD 143 (APP) 8601A8 81.0 \$220.00 Tues/Thurs

GAS FITTER - This course is a study and analysis of the gas and piping codes that has applications in the local, Commonwealth of Virginia, and National codes to complete plumbing/gas projects.

 PLUMBING V Backflow BUILD 160 (APP) 8601A9 75.0 \$350.00 Mon/Wed

BACKFLOW DEVICES - This post trade course is designed for licensed plumber that needs an endorsement to their existing plumbing license required by law. This endorsement then allows them to legally test and maintain backflow prevention devices.