

Academy of Automotive & Construction Technologies

BUILDING & CONSTRUCTION TRADES PATHWAY (120)

Course Type	Course Code	Course Title	Course Description	Post Secondary Connection
Introductory Course	IS102/103	College and Career Essentials	College and Career Readiness is a year-long course is designed to help students learn and practice valuable skills to help them to be career and college ready. Students will demonstrate their understanding of career paths through a variety of assessments, project, job simulations, speeches, research assignments, online portfolio, and a research paper. Students will identify academic interest, skills, values and personality types, research employers and industries, gain experience with public speaking and interview skills, familiarize themselves with college and job search tools, strengthen writing skills, learn goal setting, solidify research techniques, and write a research paper utilizing correct MLA format.	
Concentrator	IS800/801	Auto Technology 1	Students learn the fundamentals of automotive repairs and maintenance. They learn shop safety instructions, the use of tools, parts identification, and unit functions. Careers related to vehicle Maintenance, Service and Repair are discussed and explored.	Articulation: SBVC
Capstone Course I	IS802/803	Auto Technology 2	This Capstone level course provides more specific areas of focus such as system diagnosis, advanced service, maintenance and repair the instruction will also concentrate on support systems such as engine performance, braking, steering, cooling, and electrical/electronic components. The student will also be exposed to transmissions and differentials.	Articulation: SBVC
	IS804/805	Auto Technology 3	This Advanced Studies level course will provide students with the opportunity to function in a variety of roles within this pathway. Students will demonstrate competency in the skills and knowledge acquired in introductory and concentration level courses. Students will participate in work-based learning opportunities which can lead to internships. Students that successfully complete the course of study will qualify for industry recognized certifications. Upon completion of this course, students will be prepared for an entry level position at a vehicle rep.	Articulation: SBVC