

DIVISION OF CAREER & WORKFORCE EDUCATION

AUTOMOTIVE TECHNOLOGY

BACHELOR OF SCIENCE DEGREE

The **Bachelor of Science (B.S.) degree in Automotive Technology** is designed to prepare students for a wide variety of technology-based careers in a pathway emphasizing the automotive industry. Graduates with the Bachelor of Science degree in Automotive Technology will find employment in administrative and supervisory positions in automotive industry-related organizations and assume responsibilities in the areas of product development, post-production support, customer sales and service support, distribution, and training. Graduates will have the practical skills, technical knowledge, and organizational competencies required of mid-level management personnel. The courses will enhance the students' levels of technical competency, computer, math, and science skills, effective communication and interpersonal skills, substantiate workplace and social ethics, the ability to work in teams, and to continue to pursue professional development and lifelong learning.

Students admitted to the Bachelor of Science in Automotive Technology upper-division program must have completed all required lower-division major and general education coursework. For additional information regarding upper-division admission requirements, please refer to the Bachelor of Science in Automotive Technology website: [Automotive Technology - Río Hondo College | Whittier, CA](#)

All courses designated as an upper division major requirement must be completed with a minimum grade of "C" (or "P") or each course in the major.

Required Upper Division Courses	Units	N	IP	C
AUTO 300 Assessment of the Automotive Industry	3			
AUTO 310 The Global Development and Advancement of the Automobile	3			
AUTO 320 The Progressive Growth of Automotive Technology	3			
AUTO 330 Hybrid/Electric Vehicles	3			
AUTO 340 Analyzing Vehicle Electrical/Electronic Systems	3			
AUTO 350 The Future of Automotive Sales and Service	3			
AUTO 360 Analyzing Vehicle Fuels, Lubricants, and Combustion	3			
AUTO 375 The Future of Mobility	3			
AUTO 410 Digital Marketing for the Automotive Industry	3			
Choose two courses from the following: 6 units				
AUTO 400 Analyzing Vehicle Stability, Dynamics, and NVH	3			
AUTO 420 Analyzing Dynamic Functions of Vehicle Drivetrain Systems	3			
AUTO 435 Automotive Manufacturers	3			
AUTO 440 Analyzing Vehicle Safety, Comfort, and Security Systems	3			
AUTO 450 Variable and Fixed Operations of the Automotive Industry	3			
Choose one courses from the following: 3 units				
AUTO 480 Special Topics in Transportation	3			
AUTO 499 Directed Study in Automotive Technology	1			
Upper Division General Education				
Required Course: 3 units				
ENGL 325 - Technical and Professional Writing	3			
Choose two courses from the following: 6 units				
GEOG 310 Environmental Geography	3			
HIST 325 History of Science and Technology	3			
PHIL 325 Applied and Professional Ethics	3			
Total upper division units	45			
Total units needed for Bachelor of Science	120			