

2007-08 Catalog: Programs of Study

Automotive Service Technology (5609)

Workforce Certificate

An automotive specialist is a specialist who knows how to diagnose, repair and maintain the ever-advancing computerized systems in today's automobiles. The lack of qualified candidates has become so critical, our Automotive Service Technology program has partnered with local car dealerships and garages to address the shortage of qualified automotive technicians.

Your coursework in the Automotive program will include classroom theory and extensive hands-on lab application. You will use the latest technology and methods to locate, diagnose and repair problems. You'll learn to properly service engines, automatic and manual transmissions, drive trains, automotive HVAC (heating, ventilation, and air conditioning) systems, brakes, steering and suspension. Each course is designed to offer the training and information needed to pass ASE certification testing for the covered area.

Internships

Employers contact us daily for talented candidates. Many are willing to hire students part-time while they are in school. It is possible to earn an income and gain on-the-job experience while completing your education.

Career Opportunities, Rapid Placement

The job rate is expected to grow as much as 20% annually. This certificate program prepares you for immediate employment. The Automotive program has a better than 90% annual placement record for graduates.

Annual Salaries

Graduates with internship experience enter the field at about \$30,000 a year. Certified technicians with experience begin at about \$40,000.

Application Procedure

The Test of Adult Basic Education (TABE) is a major criterion in a student's completion of the program. Students who fail to meet the State of Florida's designated exit score will be required to complete the Vocational Preparatory Instruction (VPI). In order to complete the program successfully, students must achieve or surpass the designated exit score(s). See [Standards of Academic Progress](#).

Students in this program should be advised by the instructor or program manager before enrolling in courses.

Cost

Estimated cost of tuition is \$3,492 (tuition rated for Florida residents, as of 7/06). Contact the program manager for additional costs (materials, fees, textbooks).

Need More Information? Contact:

[Automotive and Transportation Department](#), 904.633.8334
Or call 904.633.5901.

Curriculum

Course Number and Title		Contact	Workforce
Professional Courses		Hours	Credits
*VPI 0100	Basic Reading Skills		
*VPI 0200	Basic Mathematical Skills		
*VPI 0300	Basic Language Skills		
AER 0940X	Postsecondary Internship (Optional)		
AER 0001	Introduction to Automotive Technology	135	4.50
or AER 0936	Technical Career Exploration	30	1.00
and AER 0010	Beginning Automotive Service Technology	105	3.50
AER 0005	Basic Automotive Concepts I	142	4.50
AER 0006	Basic Automotive Concepts II	143	5.00
AER 0300	Electrical Systems I	117	4.00
AER 0590	Engines	135	4.50
AER 0414	Brake Systems	135	4.50
AER 0452	Steering and Suspension Systems	135	4.50
AER 0170	Air Conditioning and Heating Systems	135	4.50
AER 0230	Manual Drive Trains and Axles	135	4.50
AER 0254	Automotive Transmissions and Transaxles I	92	3.00
AER 0255	Automotive Transmissions and Transaxles II	93	3.00
AER 0301	Electrical Systems II	118	4.00
AER 0501	Engine Performance I	142	4.50
AER 0502	Engine Performance II	143	5.00
Total Contact Hours		1,800	60.00

*Students who have satisfactory test scores are not required to take these courses.

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 To request information, contact the Learner Support Center at info@fccj.edu or 904.646.2300.

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