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AUTOMOTIVE TECHNOLOGY



Toyota • Scion • Lexus



*Associate in Applied Science in Automotive Technology
Certificates of Completion in Five Automotive Programs
Dealer-based Internships with Honda and Toyota*

MORE INFORMATION:
GATEWAYCC.EDU/AUTOMOTIVE

Disclaimer: This document is for informational purposes only. The official programs description can be found here: <http://www.maricopa.edu/academic/ccta/>



*The information provided in this Guide is subject to change. Updated 7/18/16

Welcome to the Automotive Technology Program at GateWay Community College.

If you have any questions about the enclosed program material, please feel free to contact any of the following program contacts:

Steve Folks, Automotive Technology Program Director, Faculty, and Honda Program Coordinator
Phone (602) 286-8630 Email: folks@gatewaycc.edu

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1	<p>Submit 'Student Information Form'</p> <p>https://eims.maricopa.edu/MAW/MAW.html</p>	Enrollment Services IE 1214	(602) 286-8200
2	<p>Verify in-state residency by filling out Prop 300 form.</p> <p>http://www.maricopa.edu/residency/ Click Student Residency Form</p>	Enrollment Services IE 1214	(602) 286-8200
3	<p>Request Official Transcripts from all other educational agencies to be forwarded to Admissions & Records</p> <p>GateWay Community College Attn: Admissions and Records 108 North 40th Street Phoenix, AZ 85034</p>	Enrollment Services IE 1214	(602) 286-8200
4	<p>Fill out Request for Transcript Evaluation</p> <p>http://www.gatewaycc.edu/forms/transcript-evaluation-request</p>	Enrollment Services IE 1214	(602) 286-8055
5	<p>Take Course Placement Test (if applicable)</p> <p>Some courses and programs require test scores prior to enrollment. No fee required. _BRING PICTURE ID Call for times</p>	Testing Center IE 1252	(602) 286-8160
6	<p>Apply for Financial Aid and Scholarships, if interested</p> <p>http://www.gatewaycc.edu/Pay/FinancialAid/Apply.aspx http://www.fafsa.ed.gov/index.htm</p>	Enrollment Services IE 1214	(855) 622-2332
7	<p>Meet with an Industrial Technology Program Advisor</p> <p>Explore your program options, obtain registration advisement and setup a program of study plan.</p>	Enrollment Services IE 1214	(602) 286-8174
8	<p>Register for Courses</p> <p>Schedule Available at http://classes.sis.maricopa.edu/ Enroll online at https://my.maricopa.edu/</p>	Enrollment Services IE 1214	(602) 286-8200
9	<p>Pay Tuition and Fees</p> <p>Payment Plans and Payment Extensions Available. Ask for Details.</p>	Enrollment Services IE 1214	(602) 286-8200
10	<p>Obtain Student ID, Optional</p> <p>Enrollment Services — BRING PICTURE ID</p>	Enrollment Services IE 1214	(602) 286-8141
11	<p>Obtain Parking Decal, Required</p> <p>Required if parking a vehicle on campus</p>	Enrollment Services IE 1214	(602) 286-8200
12	<p>Purchase Books</p> <p>Bookstore or online at www.efollet.com</p>	Main Building, Bookstore MA 1200	(602) 286-8400

Career Description

Prepare for one of the hottest jobs around. Learn to diagnose, repair, and perform maintenance on automobiles and light trucks. As an Automotive Technician, you will need the skills to accurately diagnose and demonstrate quality workmanship. If you have an interest in a particular area, larger repair shops often employ specialized mechanics. Areas of specialization include air conditioning, drivability/emissions, steering & suspension, electrical, transmission and heavy-line mechanics. You can find employment in car dealerships, independent garages, private companies, government agencies, or you can choose self-employment.

How to Get Started

GateWay's Automotive Technology program partners with two auto makers to produce highly trained and qualified technicians through Toyota's Toyota Technical Education Network (T-TEN) and Honda's Professional Automotive Career Training (PACT). GateWay offers five certificates and one degree program. Each of these certificates signifies to a potential or present employer that you are qualified for an entry-level position as a general or specialized mechanic. Our Associate in Applied Science Degree may include paid work experience at a local dealership or independent repair facility.

Employment Outlook

In Arizona, job openings for Automotive Technicians are expected to increase 10% over 10 years, creating approximately 840 jobs annually. Please visit ONetOnline.org for up to date salary and job opening information.



Program Costs

Tuition and fees are set by the Maricopa Community College District Governing Board. Tuition is based on the 2014-2015 tuition rate of \$86 per credit hour (for in-county students). Tuition and fees are subject to change. Additional fees may apply. Financial Aid and Child Care are available to those who qualify.

Accreditation

GateWay Community College's Automotive Technology programs are accredited by the National Automotive Technicians Education Foundation.

GateWay Community College is a Maricopa Community College, accredited by the Commission on Institutions of Higher Education of the North Central Association of Colleges and Schools (30 North LaSalle Street, Suite 2400, Chicago, IL. 60602-2504. Phone (800) 621-7440)

Certificate of Completion (CCL) in Automotive Technology and Associate in Applied Science (AAS) in Automotive Technology

Course Pre-Fix	Course Name	Credits	Advisor Notes
Certificate of Completion Required Courses			
AUT103AA	Automotive Electrical Systems	6	
AUT104AA	Automotive Fuel Systems	3	
AUT105AA	Engine Performance and Diagnosis	3	
AUT106AC	Engine Overhaul and Reconditioning: Heads and Valves	3	
AUT107AD	Automotive Air Conditioning	4	
AUT108AB	Front End Suspension, Steering and Alignment	4	
AUT109AC	Automotive Brake Systems	4	
AUT110AC	Automotive Drive Trains	4	
AUT123AA	Automatic Transmissions	4	
AUT130	Automotive Quick Service	4	
AUT215AA	Automotive and Electrical/Electronic Systems II	4	
AUT240	Hybrid Vehicle Overview	2	
Restricted Electives	Select 6 Credits from: (AUT101, AUT210+, AUT233+, AUT270AC+, AUT298AC, AUT296++, OSH106)	6	
Total Required Credits for Certificate of Completion		51	
Associate in Applied Science Required Courses			
	Certificate of Completion in Automotive Technology	51	
CRE101 or CRE111+ or Equivalent	Critical Reading or Critical Reading for Business and Industry or Equivalent by Assessment	3	
ENG101+	First-Year Composition	3	
ENG102+ or ENG111+	First-Year Composition or Technical Writing	3	
MAT112+	Mathematical Concepts/Applications OR Completion of higher level mathematics course	3	
	Communications <i>(course must be on the approved list of course to meet the AAS degree in General Education Requirements)</i>	3	
	Humanities/Fine Arts <i>(course must be on the approved list of course to meet the AAS degree in General Education Requirements)</i>	3	
	Social/Behavioral Science <i>(course must be on the approved list of course to meet the AAS degree in General Education Requirements)</i>	3	
Total Required Credits for Associate in Applied Science		71	

To receive this certification and/or degree, students must earn a grade 'C' or better in all courses within the program.

Note: (+) Indicates a prerequisite and/or co requisite is required
 (++) indicates any module/suffixed courses

Certificate of Completion in Air Conditioning and Electrical Accessories,
 Certificate of Completion in Automotive Suspension, Steering and Brakes
 Certificate of Completion in Engine Performance and Diagnosis
 Certificate of Completion in Automotive Drive Trains

Course Pre-Fix	Course Name	Credits	Advisor Notes
Certificate of Completion in Air Conditioning and Electrical Accessories			
AUT103AA	Automotive Electrical Systems	6	
AUT107AA	Automotive Air Conditioning	3	
AUT215AA	Automotive Electrical/Electronic Systems II	4	
Total Required Credits for Certificate of Completion		13	
Certificate of Completion in Automotive Suspension, Steering and Brakes			
AUT108AB	Front End Suspension, Steering and Alignment	4	
AUT109AC	Automotive Brake Systems	4	
AUT130	Automotive Quick Service	4	
Total Required Credits for Certificate of Completion		12	
Certificate of Completion in Engine Performance and Diagnosis			
AUT103AA	Automotive Electrical Systems	6	
AUT104AA	Automotive Fuel Systems	3	
AUT105AA	Engine Performance and Diagnosis	3	
AUT210+ or AUT233+	Automotive Emission Systems, or Computerized Engine Controls	3	
Total Required Credits for Certificate of Completion		15	
Certificate of Completion in Automotive Drive Trains			
AUT106AC	Engine Overhaul and Reconditioning: Heads and Valves	3	
AUT110AC	Automotive Power Trains	4	
AUT123AA	Automatic Transmissions	4	
Total Required Credits for Certificate of Completion		11	

To receive this certification and/or degree, students must earn a grade 'C' or better in all courses within the program.

Note: (+) Indicates a prerequisite and/or co requisite is required
 (++) indicates any module/suffixed courses

Suggested Course Sequence: Automotive Degree and Certificate Programs

FALL START: General Automotive Classes

1st Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
AUT130	4	\$344	\$40	Yes
AUT103AA	6	\$516	\$40	Yes
AUT109AC	4	\$344	\$40	Yes
General Studies	<i>Required general education classes can be taken at any other MCCCD Colleges</i>			
2nd Semester, Spring				
Course	Credit	Tuition	Course Fees	Book
AUT104AA	3	\$258	\$40	Yes
AUT105AA	3	\$258	\$40	Yes
AUT106AC	3	\$258	\$40	Yes
AUT215AA	4	\$344	\$40	Yes
General Studies	<i>Required general education core classes can be taken at any other MCCCD Colleges</i>			
Summer Session				
Course	Credit	Tuition	Course Fees	Book
AUT240	2	\$172	\$20	Yes
AUT210	3	\$258	\$40	Yes
3rd Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
AUT108AB	4	\$344	\$40	Yes
AUT123AA	4	\$344	\$40	Yes
General Studies	<i>Required general education core classes can be taken at any other MCCCD Colleges</i>			
4th Semester, Spring				
Course	Credit	Tuition	Course Fees	Book
AUT110AC	4	\$344	\$40	Yes
AUT 107AD	4	\$344	\$40	Yes
General Studies	<i>Required general education core classes can be taken at any other MCCCD Colleges</i>			

Suggested Course Sequence: Automotive Degree and Certificate Programs

FALL START: Toyota T-Ten Classes

1st Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
AUT130	4	\$344	\$40	Yes
AUT103AA	6	\$516	\$40	Yes
AUT106AC	3	\$258	\$40	Yes
General Studies	<i>Required general education classes can be taken at any other MCCCD Colleges</i>			
2nd Semester, Spring				
Course	Credit	Tuition	Course Fees	Book
AUT104AA	3	\$258	\$40	Yes
AUT105AA	3	\$258	\$40	Yes
AUT215AA	4	\$344	\$40	Yes
AUT 210	3	\$258	\$40	Yes
General Studies	<i>Required general education core classes can be taken at any other MCCCD Colleges</i>			
Summer Session				
Course	Credit	Tuition	Course Fees	Book
AUT270AA	1	\$86	-	-
General Studies	<i>Required general education core classes can be taken at any other MCCCD Colleges</i>			
3rd Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
AUT108AB	4	\$344	\$40	Yes
AUT109AC	4	\$344	\$40	Yes
AUT110AC	4	\$344	\$40	Yes
AUT270AA	1	\$86	-	-
General Studies	<i>Required general education core classes can be taken at any other MCCCD Colleges</i>			
4th Semester, Spring				
Course	Credit	Tuition	Course Fees	Book
AUT123AA	4	\$344	\$40	Yes
AUT 240	2	\$172	\$20	Yes
AUT107AD	4	\$344	\$40	Yes
AUT270AA	1	\$86	-	-
General Studies	<i>Required general education core classes can be taken at any other MCCCD Colleges</i>			

Suggested Course Sequence: Automotive Degree and Certificate Programs

FALL START: HONDA PACT Classes

1st Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
AUT130	4	\$344	\$40	Yes
AUT103AA	6	\$516	\$40	Yes
AUT106AC	3	\$258	\$40	Yes
General Studies	<i>Required general education classes can be taken at any other MCCCD Colleges</i>			
2nd Semester, Spring				
Course	Credit	Tuition	Course Fees	Book
AUT215AA	4	\$344	\$40	Yes
AUT109AC	4	\$344	\$40	Yes
AUT108AB	4	\$344	\$40	Yes
General Studies	<i>Required general education core classes can be taken at any other MCCCD Colleges</i>			
Summer Session				
Course	Credit	Tuition	Course Fees	Book
AUT270AC	3	\$258	-	-
General Studies	<i>Required general education core classes can be taken at any other MCCCD Colleges</i>			
3rd Semester, Fall				
Course	Credit	Tuition	Course Fees	Book
AUT104AA	3	\$258	\$40	Yes
AUT105AA	3	\$258	\$40	Yes
AUT210	3	\$258	\$40	Yes
AUT110AC	4	\$344	\$40	Yes
General Studies	<i>Required general education core classes can be taken at any other MCCCD Colleges</i>			
4th Semester, Spring				
Course	Credit	Tuition	Course Fees	Book
AUT123AA	4	\$344	\$40	Yes
AUT240	2	\$172	\$20	Yes
AUT107AD	4	\$344	\$40	Yes
General Studies	<i>Required general education core classes can be taken at any other MCCCD Colleges</i>			



Toyota T-TEN Internship Information & Requirements

Toyota • Scion • Lexus TECHNICIAN DEVELOPMENT

The Toyota Technical Education Network (T-Ten) is a two-year automotive program designed to upgrade the technical competency and professional level of the incoming dealership technician. The curriculum is designed by Toyota and GateWay Community College (GWCC) and leads to an Associate of Applied Science Degree in Automotive Service Technology or certificate. The program involves not only attending classroom lecture and laboratory on Toyota products at GWCC, but also requires the student to work at a Toyota dealership.

The total program lasts two years with approximately 32 weeks spent at GateWay Community College and approximately 32-44 weeks at a Toyota dealership. Each semester consists of rotating 8 weeks class at GateWay (8:00 am - 3:00 pm) and 8 weeks paid work experience opportunities at a Toyota Dealer.

Since considerable time is spent at the dealership, it is a requirement of the program for the student to have a sponsoring Toyota dealer. The student will receive assistance in location and identification of participating Toyota dealerships. The main responsibility of the dealership is to provide training related employment for the student during his/her cooperative work experience periods.

Program Requirements

- Completed Application (back of information packet)
- Valid Arizona Driver's License (with no suspensions)
- Three-Year DMV Driving Record (Maximum 3-Point Violation)
- Enrollment in the Associates of Applied Science or Certificate of Completion in Automotive Technology at GateWay Community College
- Interview with GWC Toyota Program Director and chosen Dealer
- Additional dealer requirements – drug test, background check, Minimum 18 years of age



Honda PACT Internship Information & Requirements



At PACT schools like GateWay, students are taught by ASE certified instructors who are also Honda certified. Each school is equipped with the special tools and equipment required in every dealer, as well as the training material found in the Training Centers. The curriculum conforms to NATEF's stringent guidelines as well as meets the needs of the local dealerships and community.

Students in the PACT programs have the opportunity to work at local dealerships to gain real world experience. Students will also get to work with the specialized tools to supplement their own tool set, as well as the opportunity to earn wages while going to school.

Students that make the commitment to join the Honda team secure their future in the automotive industry and must meet the performance standards set up by the dealership while attending school as a full-time student. Students will also need to maintain satisfactory grades and need to have a basic automotive tool set to work from to participate in the program. Each graduating student is recognized by American Honda for their commitment as a PACT student. Honda PACT certification is recognized at Honda & Acura dealers nationwide. *Please note, classes in the first year are in the morning (7:30 am - 12:15 pm), second year in the afternoon (12:45 pm — 5:15 pm).*

Program Requirements

- Completed Application (back of information packet)
- Valid Arizona Drivers License (with no suspensions)
- Three-Year DMV Driving Record (Maximum 3-Point Violation)
- Enrollment in the Associates of Applied Science or Certificate of Completion in Automotive Technology at GateWay Community College
- Interview with GWC Honda Program Director and chosen Dealer
- Additional dealer requirements – drug test, background check, Minimum 18 years of age



Automotive Technology Degree and Certificate Cost Estimates

Program	Tuition	Course Fees	Total
Associate of Science in Automotive Technology	\$6,106	\$520	\$6,626
Certificate of Completion in Automotive Technology	\$4,386	\$520	\$4,906
Certificate of Completion in Air Conditioning and Electrical Accessories	\$1,118	\$120	\$1,238
Certificate of Completion in Automotive Suspension, Steering and Brakes	\$1,032	\$120	\$1,152
Certificate of Completion in Engine Performance and Diagnosis	\$1,290	\$160	\$1,350
Certificate of Completion in Automotive Drive Trains	\$946	\$120	\$1,066

Please note that these are only estimates and do not include books. These estimates may change based on increases to tuition, course fees and book costs. Estimates are based on the 2014-2015 tuition rates for in-county students. Additional fees may apply.

STUDENT SERVICES

Admissions, Registration and Records.....	(602) 286-8200
Apprenticeship Programs.....	(602) 286-8681
Assessment/Testing Center.....	(602) 286-8160
Bookstore.....	(602) 286-8400
Cafeteria.....	(602) 286-8308
Career and Employment Services Center.....	(602) 286-8500
College Safety.....	(602) 286-8911
Cashier's Office.....	(602) 286-8200
Cashier's TIP Hotline.....	(602) 286-8286
Children's Learning Center.....	(602) 286-8130
College Information.....	(602) 286-8000
Counseling.....	(602) 286-8900
Disability Services.....	(602) 286-8191
Financial Aid.....	(855) 622-2332
Learning Center.....	(602) 286-8800
Library.....	(602) 286-8454
Phone Registration.....	(602) 286-8100
Student Activities/Clubs.....	(602) 286-8700
Veterans Services.....	(602) 286-8076