



Toyota Technical Education Network (T-TEN)

Associate in Applied Arts and Sciences (AAAS)

Planning Guide 2017-2018

EPC 7124

Program Information:

Length of Program: 209-214 Credits, 8 Quarters
Completion Award: A.A.A.S.
Enrollment: Fall of odd years and Summer of even years
Approximate Quarterly Costs:
Uniform fee \$50
Tools and Equipment (estimated total cost) \$4000
Additional Instructional Fees \$25-\$85
(in addition to tuition, books ~\$250 and parking ~\$50)

Website: <http://www.shoreline.edu/auto/toyota.aspx>

Program Advisor:

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Program Description:

The Associate in Applied Arts and Sciences degree is designed to provide students with the knowledge and skills leading to an entry-level position as a Toyota Technician. Students interested in advancement are encouraged to pursue a four-year baccalaureate degree using the Engineering Associate in Science (AS-DTA) degree planning guide.

Toyota Technician —What is it?

Shoreline Community College offers an Associate degree in Applied Arts and Science for students who are interested in entering the automotive service industry. Toyota’s Technician Training and Education Network (T-TEN) Program provides students with the fundamental skills to succeed in the workplace along with valuable hands-on experience. Students alternate quarters between classroom instruction and paid dealership training. As students progress through the curriculum, they learn about the major automobile components and systems, including brakes, suspension, emissions, transmissions, electrical systems, heating and air conditioning, power trains and engine management systems. Students develop skills in automotive systems, diagnostics, and repairs. Students will also develop an understanding of automotive service business principles as applied to the service technician. In their internship placement, students work under the guidance of a master technician at a sponsoring Toyota or Lexus dealership. These paid internships give students the opportunity to integrate their learning and to further develop their skills in automotive service technology.

Program Outcomes:

Students who successfully complete this program **-by achieving a grade of 2.0 or better for each individual course in the program-** should be able to:

1. Apply fundamentals of automotive service training, including the basics of automotive diagnostics and repair, pre-delivery inspection and warranty repair procedures.
2. Identify, inspect, disassemble and assemble basic components of automotive power plants.
3. Apply knowledge of the function, construction, operation, troubleshooting and servicing of disc, drum and ABS brake systems, steering, suspension and wheel alignment.
4. Use electronic engine analyzers and scanners to test and diagnose ignition, fuel injection and emission systems.
5. Apply understanding of electrical principles, semi-conductors, microprocessors and wiring diagrams to diagnose and repair malfunctions of automotive electrical systems.
6. Apply knowledge of the function, construction, operation, troubleshooting and service of front- and rear- wheel drive, manual and automatic transmissions and transaxles.
7. Test, service and repair heating and air-conditioning systems.

Career Opportunities—What can I do with a Certificate in Toyota Technology

The demand for dealer-trained technicians should remain strong over the next decade. Employment opportunities exist as a Toyota or Lexus Service Technician.

Potential employers include: All Toyota and Lexus Dealerships. For more, please visit career information and resources at www.shoreline.edu/acc/CareerCounseling.aspx.

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Program Prerequisites:

- Dealership Permission
- A high school diploma or GED
- Instructor Permission
- Valid Driver’s License
- DMV Report/ Driving Record
- Dealers require drug testing
- Instructor Interview

Courses marked with an * are the General Education/Related Instruction requirements for this program.

A.A.S. Degree – 209-214 credits

GENERAL EDUCATION CORE REQUIREMENTS 15-20 Credits				
Courses	QTR	GR	CR	
ENGL& 101* English Composition I or BTWRT 215* Bus. Communications			5	
Multicultural Understanding: <i>See Approved List</i>			3-5	
Quantitative/Symbolic Reasoning: Bus 102* Business Mathematics or Math 70* Preparation for Algebra			5	
Human Relations: <i>See Approved List</i>			2-5	

RECOMMENDATIONS:

Automotive Core Requirements 193 credits				
Courses	QTR	GR	CR	
AUTOT 180T Fundamentals of Auto Service Training			9	
AUTOT 181T Engine Repair			11	
AUTOT 183T Brakes and Suspension			21	
AUTOT 184T Manual Gear Trains and Transaxles			7	
AUTOT 185T Engine Control Systems			16	
AUTOT 186T Electrical Systems			21	
AUTOT 187T Automatic Transmissions			11	
AUTOT 188T Heating and Air Conditioning			8	
AUTOT 189T Engine Emissions Management Systems			9	
AUTOT 291 Cooperative Dealership Experience I			20	
AUTOT 292 Cooperative Dealership Experience II			20	
AUTOT 293 Cooperative Dealership Experience III			20	
AUTOT 294 Cooperative Dealership Experience IV			20	

<u>APPROVAL TO GRADUATE</u>	
_____ <i>Student Name & SID</i>	_____ <i>Date</i>
_____ <i>Faculty Advisory</i>	_____ <i>Date</i>
_____ <i>Division Dean</i>	_____ <i>Date</i>
_____ <i>Credential Approval</i>	_____ <i>Date</i>

Note: Every effort has been made to ensure the accuracy of the information in this publication. However, the information is subject to change without notice and final career decisions are the responsibility of the student.