



2011-2012 Career Planning Guide TOYOTA TECHNICAL EDUCATION NETWORK (T-TEN) Associate in Applied Arts & Sciences Degree (A.A.A.S.)

Shoreline Community College

16101 Greenwood Avenue North
Shoreline, Washington 98133
Length of Program: 167-172 Credits, 8 quarters
Completion Award: A.A.A.S. Degree

Program Advisors:

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<http://www.shoreline.edu/auto>

Approximate Quarterly Costs

Check quarterly class schedule for Tuition Table	
Parking Fee Per Quarter	\$15
Uniform Fee	\$50
Book costs vary widely. Average quarterly cost	\$100
Tools and Equipment (estimated total cost)	\$4000
Additional Instructional Fees	\$25-\$85
Enrollment: Fall, Winter, Spring, Summer	

PROGRAM DESCRIPTION

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 Technical Education Network Program (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 diagnostics, tune-ups and repairs. Students will also develop an understanding of automotive service business principles as they apply 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 further develop their skills in automotive service technology.

PROGRAM OUTCOMES

Students who successfully complete this 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 tune 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

Upon completion, graduates may be hired by a new car dealership. The demand for dealer-trained technicians should remain strong over the next decade.

POTENTIAL POSITIONS

Toyota Service Technician. With additional experience many technicians can become a Parts or Service Manager; some may seek positions in sales, management or open their own related business. Entry-level salaries range from \$ 20,000 to \$ 24,000 depending on location and the individual's production abilities. For employment outlook, see the U.S. Dept. of Labor Occupational Outlook Handbook at <http://www.bls.gov/OCO/>.

AUTOMOTIVE SERVICE TECHNOLOGY: TOYOTA T-TEN

Shoreline Community College: A.A.A.S. Degree

PROGRAM PREREQUISITES

- Instructor Permission
- Automotive Skills Test
- Valid Driver's License
- Proof of Insurability
- Some dealers require drug testing
- Instructor Interview

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

PROGRAM REQUIREMENTS

<u>Automotive Class Requirements</u>			<u>Cr.</u>	<u>Gr</u>
AUTOT	160	Fund of Auto Serv Traing	9	___
AUTOT	161	Engine Repair	9	___
AUTOT	163	Brakes & Suspension	9	___
AUTOT	164	Manu Gear Trains/Transax	9	___
AUTOT	165	Engine Mgmt/Emission Sys	9	___
AUTOT	166	Electrical Systems	9	___
AUTOT	167	Auto Trans/Transaxles	9	___
AUTOT	168	Heating and Air Con	9	___
AUTOT	291	Coop Dealer Exper I	20	___
AUTOT	292	Coop Dealer Exper II	20	___
AUTOT	293	Coop Dealer Exper III	20	___
AUTOT	294	Coop Dealer Exp IV	20	___

<u>General Education Core Requirements</u>			<u>Cr.</u>	<u>Gr.</u>
BUSTC	215*	Prof Communications <i>or</i>	5	___
ENGL&	101*	English Composition I	5	___
BUS	102*	Business Mathematics <i>or</i>	5	___
MATH	070*	Preparation for Algebra	5	___
_____	_____*	Human Relations:		
		See Approved List	2-5	___
_____	_____*	Multicultural Understanding:		
		See Approved List	3-5	___

Total Credits Required 167-172

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 reader.

7124

STUDENT NAME

STUDENT I.D.

APPROVAL TO GRADUATE

ADVISOR APPROVAL

DATE

DIVISION DEAN APPROVAL

DATE

CREDENTIALS APPROVAL

DATE