

Automotive Technology

Toyota/Lexus

Certificate Program

DIVISION OF TRANSPORTATION & ENERGY

The Toyota Technical Education Network (T-TEN) program is designed to provide the technical competence and professionalism needed to become a dealership technician. The T-TEN program involves automotive lecture/laboratory instruction focusing on Toyota/Lexus products at the MassBay Automotive Technology Center. Students are also required to work at a Toyota/Lexus dealership as part of the cooperative education phase of their training. The T-TEN program is a collaborative effort between MassBay Community College and Toyota. The College retains the academic and administrative responsibility for the program, which is certified by the National Automotive Technicians Education Foundation (NATEF) in all eight performance areas.

Students also earn technical course credits from the University of Toyota/Lexus College.

Upon successful completion, the Certificate in Automotive Technology with a concentration in Toyota (T-TEN) is awarded.

ADMISSION REQUIREMENTS

- MassBay placement into College Writing EN 100 or completion of Intro to Language EN 090
- MassBay placement into Intermediate Algebra MA 098 or completion of Introductory Algebra MA 095
- Valid driver's license (May be subject to dealership review of driving record and drug testing)

PROGRAM FOOTNOTES

- Minimum (18) University of Toyota e-modules must be completed.
- Complete all mandatory TPORT assignments.
- Minimum of 650 hours of supervised dealer co-op education.
- Minimum of (2) ASE certifications.

For more information about the costs of this program and employment opportunities after completion, please visit our gainful employment page: <http://www.massbay.edu/gainfulemployment.aspx>

COURSE	COURSE TITLE	CREDITS
<i>Semester 1</i>		
<i>Fall</i>		
AT 101	Introduction to Automotive Service	4
AT 102	Automotive Electrical Fundamentals	4
AT 109	Technician Portfolio TPORT	1
		credits: 9
<i>Semester 2</i>		
<i>Spring</i>		
AT 113	Engine Diagnosis and Repair	4
AT 114	Automotive Brake Systems	4
AT 116	Suspension, Steering, and Handling	3
		credits: 11
<i>Semester 3</i>		
<i>Summer</i>		
AT 120	Cooperative Education I	3
		credits: 3
<i>Semester 4</i>		
<i>Fall</i>		
AT 213	Hybrid Vehicle General Service	1
AT 205	Automotive Transmission & Drive Systems	6
AT 207	Engine Control Systems I	5
		credits: 12
<i>Semester 5</i>		
<i>Spring</i>		
AT 208	Body Electrical Diagnosis	3
AT 209	Engine Control Systems II	3
AT 212	Automotive Air Conditioning & Climate Controls	3
AT 220	Cooperative Education II	3
		credits: 12
		Total Credits: 47