


Automotive Technology

Toyota/Lexus

Associate in Science

 MassBay courses are offered days, evenings, weekends, and online. View the complete list of online courses at www.massbay.edu/uploadedFiles/online.pdf. Check current course availability at www.massbay.edu/courses

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 program involves academic as well as automotive lecture/ laboratory instruction focusing on state-of-the-art Toyota/ Lexus dealership as part of the implementation of the T-TEN Program is a collaborative effort of MassBay Community College and Toyota. The College has 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 may also earn technical course credits from the University of Toyota/Lexus College.

Upon completion, the Associate in Science Degree in Automotive Service Technology with a concentration in Toyota (T-TEN) is awarded.

ADMISSION REQUIREMENTS

Minimum eligibility for admission to this program includes:

- 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

Humanities Electives: Art, Communications, Film, Foreign Language, Humanities, Literature, Music, Oral Communication, Philosophy, Photography, Oral Communication, Sign Language, Theater Arts

Social Science Electives: Anthropology, Geography, History, Economics, Government, Psychology, Sociology, Law and Society (LA 230)

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
CS 100	Computers and Technology	3
MAC 101	Technical Math	3
CT 100	Critical Thinking	3
		credits:
		18
<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
EN 101	Freshman English I	3
	Humanities Elective	3
		credits:
		17
<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
EN 102	Freshman English II	3
	Humanities Elective	3
		credits:
		18
<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 Control	3
AT 220	Cooperative Education II	3
	Social Science Elective	3
	Social Science Elective	3
		credits:
		18
		Total Credits:
		74