

Automotive Technology Toyota/Lexus Associate in Science

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 academic as well as automotive lecture/laboratory instruction focusing on Toyota/Lexus products at the MassBay Automotive Technology Center. MassBay's T-TEN program earned the 2010 Award by Toyota USA for being about the top two T-TEN programs in the nation. Students are 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 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 successful 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 (WR 100) or completion of Intro to Language (LN 090)
- MassBay placement into Introductory Algebra (MA 095) or completion of Basic Math Studies (MA 090)
- 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, Law and Society (LA 230), Psychology, Sociology

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
	Social Science Elective	3
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AT 220	Cooperative Education II	3
		credits:
		18
		Total Credits:
		74