Automotive Technology
Toyota/Lexus

Associate in Science

DIVISION OF AUTOMOTIVE TECHNOLOGY

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 Toyota/Lexus products. Students are also required to work at an approved 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 has the academic and administrative responsibility for the program, which is certified by the ASE Education Foundation (ASEEF) 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:

- Placement into EN 101X English Composition (Accelerated)
- MassBay placement into MA 98 Intermediate Algebra or completion of MA 95 Introductory Algebra
- Valid driver's license (May be subject to dealership review of driving record and drug testing)

PROGRAM FOOTNOTES:

Math Elective:
Any 3/4 credit 100 level mathematics course or higher (not MAC)

Humanities Electives:
Art, Communication, English (EN 103 or higher), ESL (ES 100 or higher; up to 6 credits), Film, Foreign Language, Humanities, Literature, Music, Oral Communication, Philosophy, Photography, Sign Language, Theater Arts

Social Science Electives:
Anthropology, Economics, Geography, Government, History, Law, Psychology, Sociology

Graduation Requirements
All assigned University of Toyota e-modules must be completed. Minimum of 650 hours of supervised co-op education. Minimum of (2) ASE certifications (A1 – A8)

Quantitative skills are a MassBay graduation competency for associate degree programs. Prior to graduation, students must demonstrate this competency by completing a 100-level math course (not MAC); or placing into a 200-level mathematics course.

COURSE	COURSE TITLE	CREDITS
Semester 1	*Fall*	
AT 101	Introduction to Automotive Service	4
AT 102	Automotive Electrical Fundamentals	4
AT 208	Advanced Electrical Systems and Diagnosis	5
CS 100	Computers and Technology	3
	credits:	16
Semester 2	*Spring*	
AT 114	Automotive Brake Systems	4
AT 116	Suspension, Steering, and Handling	4
AT 120	Cooperative Education I	1
EN 101	English Composition I	3
AT 212	Automotive Air Conditioning & Climate Control	4
	credits:	16
Semester 3	*Summer*	
AT 220	Cooperative Education II	1
AT 113	Engine Diagnosis and Repair	5
	Math Elective	3/4
	credits:	9/10
Semester 4	*Fall*	
AT 207	Engine Control Systems I	4
AT 209	Engine Control Systems II	4
AT 230	Cooperative Education III	1
EN 102	English Composition II	3
CT 100	Critical Thinking	3
	credits:	15
Semester 5	*Spring*	
AT 119	Manual Transmission and Drive Systems	4
AT 205	Automatic Transmission: Fundamentals and Diagnosis	4
AT 214	Toyota Hybrid Systems and Diagnosis	3
	Social Science Elective	3
	Humanities/Social Science Elective	3
	credits:	17
	Total Credits:	**73/74**