

Automotive Technology

TSEP

Certificate

DIVISION OF TRANSPORTATION & ENERGY

The Technician's Technical Education Network (T-TEN) 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 products at the MassBay Automotive Technology Center. Students are required to work at a Toyota/ Lexus dealership as part of the cooperative education phase of their training. 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 Certificate 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)

COURSE	COURSE TITLE	CREDITS
Certificate I Undercarriage Repair		
AI 100*	Automotive Fundamentals	1
AI 106	Automotive Brake Systems	3
AI 204	Auto Suspension Systems	3
AI 121	Cooperative Education I	2
MAC 101*	Technical Math	3
SF 131*	Oral Communication	3
WR 100*	College Writing	4
Total Credits:		19
Certificate II Drive Systems		
AI 100*	Automotive Fundamentals	1
AI 103	Automotive Engine Diagnosis and Repairs	5
AI 202	Manual Transmission & Drive Lines	3
AI 203	Automatic Transmission	3
AI 122	Cooperative Education II	2
MAC 101*	Technical Math	3
SF 131*	Oral Communication	3
WR 100*	College Writing	4
Total Credits:		24
Certificate III Electrical/Engine Performance/ HVAC		
AI 100*	Automotive Fundamentals	1
AI 102	Automotive Electrical Fundamentals	5
AI 105	Heating and Air-Conditioning Theory	3
AI 200	Engine Performance	5
AI 123	Cooperative Education III	2
MAC 101*	Technical Math	3
SF 131*	Oral Communication	3
WR 100*	College Writing	4
Total Credits:		26

*These courses only have to be taken once.