

## Automotive Technician (BP/EP) Associate in Applied Science Degree

### Semester Sequence - Full Time

#### Offered at Brooklyn Park and Eden Prairie

#### First Semester

ATEC1050	Introduction to Automotive Technology	2
ATEC1405	Steering and Suspension	4
ATEC1505	Brakes	4
ATEC1615	Basic Electrical	3
ATEC1620	Starting and Charging Systems	3

#### Total Credits 16

#### Second Semester

ATEC1105	Engine Repair I	3
ATEC1110	Engine Repair II	3
ATEC1625	Chassis Electrical	3
ATEC2685	Automotive Industry Internship I	5
PHYS1005	Introductory Physics I	3

#### Total Credits 17

#### Summer Semester

ENGL1070	Technical Writing	3
	or	
ENGL1100	Writing and Research	4
	Choose 3 credits from MnTC Goal Area 7	3

#### Total Credits 6

#### Third Semester

ATEC1205	Automatic Transmissions I	3
ATEC1210	Automatic Transmissions II	3
ATEC1305	Manual Drive Train & Axles	4
ATEC1705	Heating and Air Conditioning	4
	Choose 3 credits from MnTC Goal Area 5	3

#### Total Credits 17

#### Fourth Semester

ATEC1820	Hybrid Electric Vehicle Systems	1
ATEC1850	Ignition Systems	4
ATEC1855	Fuel Systems	4
ATEC1860	Engine Performance	4
	General Education Electives	3

#### Total Credits 16

#### General Education Electives

Choose credits from Hennepin Technical College's Minnesota Transfer Curriculum (MnTC) general education courses.

#### Choose a Total of: 3 credits

**MnTC Goal Area 5**

A complete list of MnTC courses and Goal Areas that can be used to meet General Education requirements can be found at [www.hennepintech.edu](http://www.hennepintech.edu). The same course cannot satisfy more than one MnTC Goal Area requirement.

ECON1200	Principles of Microeconomics	3
ECON1300	Principles of Macroeconomics	3
HIST1400	Contemporary World History	3
POLI1000	Introduction to American Government and Politics	3
PSYC1000	General Psychology	3
PSYC1200	Psychology Throughout the Lifespan	3
PSYC1300	Abnormal Psychology	3
SOCI1100	Introduction to Sociology	3
SOCI1200	Marriage and Family	3
SOCI1400	Race in America	3
SOCI1500	Introduction to Criminal Justice	3
SOCI1600	Food and Society	3

**Choose a Total of: 3 Credits**

**MnTC Goal Area 7**

COMM1200	Intercultural Communication	3
COMM1250	Interpersonal Communication	3
MUSC1010	Influence of Pop/Rock Music	3
PSYC1200	Psychology Throughout the Lifespan	3
PSYC1300	Abnormal Psychology	3
SOCI1200	Marriage and Family	3
SOCI1400	Race in America	3

**Choose a Total of: 3 Credits**

**Graduation (72 Credits)**

Semester listings reflect the recommended sequence. Due to circumstances beyond our control, the information herein is subject to change without notice.

4/7/2023 : BP 5104 / EP 5105