

Automotive Technology (A.A.S. Degree) *

Electric Vehicle Option

FALL 2023-SPRING 2024

Footnotes:

¹Students with English Proficiency Index (EPI) of 0-49 enroll in corequisite course ENG 100. Students with EPI of 50-64 enroll in corequisite course ENG 110. Students with EPI of at least 65 (or other English proficiency qualification) enroll in ENG 111. Students with ESL need should take appropriate ESL course(s) (Sequence: ESL 01->02->03->09) before enrolling in ENG 110.

²Students are eligible to enroll in MTH 28 if they have successfully completed an elementary algebra math intervention at a CUNY college (e.g., Math Proficiency Workshop, CUNY Start Math, Math Start, or MTH 5), or if they are CUNY Math proficient AND have the appropriate math background in high school. See the Mathematics Course Placement page in the [College Catalog](#).

Students not eligible for MTH 28 or higher courses enroll in corequisite course MTH 28.5. However, note that students with Math Proficiency Index of 39 or lower are strongly encouraged to enroll in Math Start/CUNY Start.

³Student must enroll in ENG 110 in order to take HIS 11.

⁴3 credits of Humanities Restricted Electives must be selected to fulfill Pathways Flexible Core Areas B or C. In order to get the broadest college experience, it is advised that the Humanities elective be chosen from disciplines **OTHER THAN COMM, MEST, or HIS**.

⁵See Degree map at: <http://www.bcc.cuny.edu/academics/academic-advising/degree-maps/> for semester-by-semester sequence.

⁶Students are advised to complete ACS 10, 24, and 11 before taking ACS 12.

*Note:

In order to apply for [graduation](#), students must complete all required courses with appropriate grades, complete two writing intensive courses, and have a minimum GPA of 2.0.

REQUIRED COMMON CORE

<input type="checkbox"/> A <input type="checkbox"/> A	English Composition I ¹ & II ENG 100 ¹ OR ENG 110 ¹ OR ENG 111 ¹ ; AND ENG 112 OR ENG 113 OR ENG 114 OR ENG 115 OR ENG 116	6
<input type="checkbox"/> B	Mathematical and Quantitative Reasoning ² MTH 28 ² College Algebra and Elementary Trigonometry OR MTH 28.5 ² (Corequisite)	3
<input type="checkbox"/> C	Life and Physical Sciences CHM 11 General Chemistry OR CHM 17 Fundamentals of General Chemistry	4
Subtotal:		13

FLEXIBLE COMMON CORE

<input type="checkbox"/> A	World Cultures and Global Issues HIS 10 History of the Modern World OR HIS 11 ³ Introduction to the Modern World	3
<input type="checkbox"/> D	Individual and Society COMM 11 Fundamentals of Interpersonal Communication	3
<input type="checkbox"/> E	Scientific World PHY 11 College Physics I	4
<input type="checkbox"/> B or C	(Humanities Restricted Electives) ⁴	3
Subtotal:		13

MAJOR REQUIREMENTS⁵

<input type="checkbox"/> ACS 10	Introduction to Automotive Technology	1
<input type="checkbox"/> ACS 11	Engine Repair	4
<input type="checkbox"/> ACS 12 ⁶	Brakes Systems ⁶	3
<input type="checkbox"/> ACS 21	Steering and Suspension Systems	3
<input type="checkbox"/> ACS 23	Heating and Air Conditioning	3
<input type="checkbox"/> ASC 24	Electrical Systems	3
<input type="checkbox"/> ACS 36	Hybrid/Electric Vehicles	3
<input type="checkbox"/> ART 10 OR MUS 10 OR ACS 50	Art Survey OR Music Survey OR Automotive Technology Internship	1
<input type="checkbox"/> ELC 15	Computer Applications in Technology	2
<input type="checkbox"/> PEA OR WFA 10	Physical Education OR Workplace First Aid	1
Electric Vehicle Option Requirements		
<input type="checkbox"/> ACS 55	Introduction to Electric Vehicles	3
<input type="checkbox"/> ACS 56	Autonomous Vehicles Systems	3
<input type="checkbox"/> ACS 57	Electric Vehicle Performance and Diagnosis	4
Subtotal:		34
TOTAL:		60