

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

## FALL 2022-SPRING 2023

### REMEDIAL SEQUENCE (if required)

ESL 1 (8) ▶▶  ESL 2 (6) ▶▶  ESL 3 (6) ▶▶  ENG 9 (4)

ENG 11 (4) ▶▶  ENG 21 (4)

RDL 11 (4) ▶▶  RDL 21 (6)

MTH 12 (4) ▶▶  MTH 52 (6) ▶▶  MTH 62 (6)

CHM 2 (4)

### GRADUATION REQUIREMENT

GPA ≥ 2.0  Writing Intensive 1  Writing Intensive 2

### FRESHMAN SEMINAR

FYS 11

<sup>1</sup>ENG 1/ENG 2 & RDL 1/RDL 2 are no longer offered. Students with ENG/RDL developmental need will now enroll in corequisite course ENG 100 (if English Proficiency Index is 0-49), **OR** ENG 110 (if English Proficiency Index is 50-64).

<sup>2</sup>MTH 1/MTH 5/MTH 6 are no longer available. STEM students who are CUNY Math Proficient, or have Math developmental need will now enroll in corequisite course MTH 28.5.

For MTH 28 enrollment, CUNY Math Proficient STEM students will also have to meet one of the following criteria:

Mathematics high school GPA of at least 70 and successful completion of a course beyond Algebra 1, **OR** New York State Regents Trigonometry Score of at least 65, **OR** New York State Regents Common Core Algebra 2 Score of at least 65

<sup>3</sup>Student must enroll in ENG 110 in order to take HIS 11.

<sup>4</sup>3 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.**

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

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

### REQUIRED COMMON CORE

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

### FLEXIBLE COMMON CORE (Course list at: <http://www.bcc.cuny.edu/pathways/?p=Flexible-Common-Core>)

<input type="checkbox"/> A	World Cultures and Global Issues HIS 10 History of the Modern World <b>OR</b> HIS 11 <sup>3</sup> 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	(3 credits of Humanities Restricted Electives) <sup>4</sup>	3
<b>Subtotal:</b>		<b>13</b>

### MAJOR REQUIREMENTS<sup>5</sup>

<input type="checkbox"/> ACS 10	Introduction to Automotive Technology	1
<input type="checkbox"/> ACS 11	Engine Repair	4
<input type="checkbox"/> ACS 12 <sup>6</sup>	Brakes Systems <sup>6</sup>	3
<input type="checkbox"/> ACS 25 or ACS 38	Automatic/Manual Transmission and Drive Trains <b>OR</b> Advanced Vehicle Diagnostics	4
<input type="checkbox"/> ACS 23	Heating and Air Conditioning	3
<input type="checkbox"/> ASC 24	Electrical Systems	3
<input type="checkbox"/> ACS 35 <b>OR</b> ACS 36	Alternate Fuel Technology <b>OR</b> Hybrid/Electric Vehicles	3
<input type="checkbox"/> ART 10 <b>OR</b> MUS 10 <b>OR</b> ACS 50	Art Survey <b>OR</b> Music Survey <b>OR</b> Automotive Technology Internship	1
<input type="checkbox"/> ELC 15	Computer Applications in Technology	2
<input type="checkbox"/> PEA <b>OR</b> WFA 10	Physical Education <b>OR</b> Workplace First Aid	1
<b>Automotive Technology Option Requirements</b>		
<input type="checkbox"/> ACS 13	Engine Performance	3
<input type="checkbox"/> ACS 45	Diesel Technology	3
<input type="checkbox"/> ACS 21	Steering and Suspension Systems	3
<b>Subtotal:</b>		<b>34</b>
<b>TOTAL:</b>		<b>60</b>