

# AUTOMOTIVE TECHNOLOGY

## Electric Vehicles Option

### A.A.S. Degree\*

<sup>1</sup>Students 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.

<sup>2</sup>Students with Math Proficiency Index (MPI) of 0-59 enroll in corequisite course MTH 21.5 OR MTH 23.5. Students with MPI of 39 or lower are strongly encouraged to enroll in Math Start/CUNY Start. Students planning to transfer to a four-year college should take MTH 30 or 31.

<sup>3</sup>In an effort to provide students with a well-rounded learning experience, students are encouraged to fulfill this requirement by selecting courses from Flexible Core B or C from disciplines **OTHER THAN** COMM, MEST, or HIS. See [Common Core Pathways course listing](#).

<sup>4</sup>ACS 50 Prerequisites are ACS 10, ACS 11, ACS 12, ACS 21, ACS 24, and a Driver's License.

<sup>5</sup>ACS 35 Prerequisites are ACS 11 and ACS 24. ACS 36 Prerequisites are ACS 11, ACS 24.

<sup>6</sup>HIS 11 is reserved for students who enroll in ENG 110 as a corequisite.

**\*Note: In order to graduate, students must meet all requirements, including, completing all required courses with appropriate grades, completing two writing intensive courses, and earning a minimum GPA of 2.0, and [applying for graduation](#).**

#### SEMESTER I Freshman

	Prerequisite/Corequisite	
<input type="checkbox"/> <b>Required Core A:</b> English Composition I - ENG 100 Integrated Reading and Writing <b>OR</b> ENG 110 Fundamentals of Writing and Rhetoric <b>OR</b> ENG 111 Writing and Rhetoric <sup>1</sup>	See footnote <sup>1</sup>	3
<input type="checkbox"/> <b>Required Core B:</b> MTH 28 College Algebra and Elementary Trigonometry <b>OR</b> MTH 28.5 College Algebra and Elementary Trigonometry Corequisite <sup>2</sup>	See footnote <sup>2</sup>	3
<input type="checkbox"/> ACS 10 Intro to Automotive Technology	Corequisite: ENG 110, if required; and MTH 28.5, if required	1
<input type="checkbox"/> ACS 11 Engine Repair	Corequisite: ACS 10	4
<input type="checkbox"/> ACS 24 Electrical Systems	Corequisite: ACS 10	3
<b>Subtotal:</b>		<b>14</b>

#### SEMESTER II Freshman

	Prerequisite/Corequisite	
<input type="checkbox"/> <b>Required Core A:</b> ENG 112 Composition and Rhetoric II <b>OR</b> ENG 113 Writing About Literature <b>OR</b> ENG 114 Written Composition and Prose Fiction <b>OR</b> ENG 115 Written Composition and Drama <b>OR</b> ENG 116 Written Composition and Poetry	ENG 100, 110, or 111	3
<input type="checkbox"/> <b>Flexible Core E:</b> PHY 11 College Physics I	MTH 28 or 28.5, if required Corequisite: ENG 110	4
<input type="checkbox"/> ACS 12 Brake Systems	Corequisite: ACS 10	3
<input type="checkbox"/> ACS 55 Introduction to Electric Vehicles	ACS 24	3
<input type="checkbox"/> ACS 21 Steering & Suspension Systems	ACS 10, ACS 24	3
<b>Subtotal:</b>		<b>16</b>

#### SEMESTER III Sophomore

	Prerequisite/Corequisite	
<input type="checkbox"/> <b>Flexible Core B OR C:</b> Select one from Flexible Core B OR C <sup>3</sup>	See footnote <sup>3</sup>	3
<input type="checkbox"/> <b>Choose ONE:</b> ART 10 Art Survey <b>OR</b> MUS 10 Music Survey <b>OR</b> ACS 50 <sup>4</sup> Automotive Technology Internship <sup>4</sup>	<a href="#">See catalog</a> <sup>4</sup>	1
<input type="checkbox"/> ACS 23 Heating & Air Conditioning	ACS 10, ACS 24	3
<input type="checkbox"/> <b>Choose ONE:</b> ACS 56 Autonomous Vehicle Systems	ACS 24, ACS 55	3
<input type="checkbox"/> <b>Choose ONE:</b> ACS 35 Alternative Fuel Technology <sup>5</sup> <b>OR</b> ACS 36 Hybrid/Electric Vehicles <sup>5</sup>	See footnote <sup>5</sup>	3
<input type="checkbox"/> <b>Choose ONE:</b> PEA Physical Education <b>OR</b> WFA 10 Workplace First Aid	<a href="#">See catalog</a>	1
<b>Subtotal:</b>		<b>14</b>

#### SEMESTER IV Sophomore

	Prerequisite/Corequisite	
<input type="checkbox"/> <b>Required Core C:</b> Choose ONE - CHM 11 General College Chemistry I <b>OR</b> CHM 17 Fundamentals of General Chemistry	<a href="#">See catalog</a>	4
<input type="checkbox"/> <b>Flexible Core A:</b> HIS 10 History of the Modern World <b>OR</b> HIS 11 <sup>6</sup> Introduction to the Modern World <sup>6</sup>	<a href="#">See catalog</a>	3
<input type="checkbox"/> <b>Flexible Core D:</b> COMM 11 Fundamentals of Interpersonal Communication	Corequisite: ENG 110, if required	3
<input type="checkbox"/> ACS 57 Electric Vehicle Performance and Diagnosis	ACS 55, ACS 56	4
<input type="checkbox"/> ELC 15 Computer Applications in Technology	Corequisite: MTH 28.5, if required	2
<b>Subtotal:</b>		<b>16</b>

**TOTAL: 60**