

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

### REMEDIAL SEQUENCE (if required)

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

ENG 1<sup>1</sup> (4) ▶▶  ENG 2 (4)

RDL 1 (4) ▶▶  RDL 2 (6)

MTH 1 (4) ▶▶  MTH 5 (6)  MTH 6 (6)

CHM 2<sup>4</sup> (4)

### GRADUATION REQUIREMENTS

GPA ≥ 2.0  Writing Intensive 1  Writing Intensive 2

### FRESHMAN SEMINAR

FYS 11

### PATHWAYS REQUIRED CORE (course list available online)

<input type="checkbox"/> A	English Composition ENG 110/111 and ENG 112	6
<input type="checkbox"/> B	Life and Physical Sciences CHM 11 OR CHM 17	4

### PATHWAYS FLEXIBLE CORE (course list available online)

<input type="checkbox"/> A	World Cultures and Global Issues HIS 10/11	3
<input type="checkbox"/> D	Individual and Society COMM 11	3
<input type="checkbox"/> E	Scientific World PHY 11	4
<input type="checkbox"/> B or C	Humanities Restricted Elective Select one from Flexible Core B or C <sup>2</sup>	3

**Pathways Total: 23**

<sup>1</sup>Students with prior ENG 1/RDL 1 placements (or English Proficiency Index < 50) will now take ENG 4 or RDL 4. Passing ENG 4 or RDL 4 will allow them to register for ENG 110.

<sup>2</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>3</sup>Reserved for students who have English remedial need, and enroll in ENG 2, RDL 2, or ENG 110 as a corequisite.

<sup>4</sup>CHM 2 is a pre-requisite for CHM 11 and CHM 17. You can place out of CHM 2 by taking a Chemistry Department administered Chemistry Placement Exam or by having scored 75 or higher on the NYS High School Regents Chemistry exam.

## TWO-YEAR ACADEMIC PLAN

### SEMESTER I Freshman

		Credits
<input type="checkbox"/> ACS 10	Intro to Automotive Technology ( <b>Major Requirement</b> )	1
<input type="checkbox"/> ACS 24	Electrical Systems ( <b>Major Requirement</b> )	3
<input type="checkbox"/> ACS 11	Engine Repair ( <b>Major Requirement</b> )	4
<input type="checkbox"/> ENG 110 <sup>1</sup> OR ENG 111	Fundamentals of Writing and Rhetoric <sup>1</sup> OR English Composition I: Writing and Rhetoric ( <b>Required Core A</b> )	3
<input type="checkbox"/> MTH 13	Trigonometry & College Algebra ( <b>Major Requirement</b> )	3
<b>Subtotal:</b>		<b>14</b>

### SEMESTER II Freshman

<input type="checkbox"/> ACS 12	Brake Systems ( <b>Major Requirement</b> )	3
<input type="checkbox"/> ACS 45	Diesel Technology ( <b>Major Requirement</b> )	3
<input type="checkbox"/> ACS 23	Heating & Air Conditioning ( <b>Major Requirement</b> )	3
<input type="checkbox"/> PHY 11	College Physics I ( <b>Flexible Core E</b> )	4
<input type="checkbox"/> ENG 112 OR ENG 113 OR ENG 114 OR ENG 115 OR ENG 116	English Composition II: Writing and Rhetoric OR Writing about Literature OR Writing about Fiction OR Writing about Drama OR Writing about Poetry ( <b>Required Core A</b> )	3
<b>Subtotal:</b>		<b>16</b>

### SEMESTER III

#### Sophomore

<input type="checkbox"/> ACS 25 OR ACS 38	Automatic/Manual Transmission and Drive Trains OR Advanced Vehicle Diagnostics ( <b>Major Requirement</b> )	4
<input type="checkbox"/> ACS 46	Diesel Engine Performance ( <b>Major Requirement</b> )	3
<input type="checkbox"/> ACS 47	Air Brakes and Suspension ( <b>Major Requirement</b> )	3
<input type="checkbox"/> Flexible Core B OR C <sup>2</sup>	Select one from Flexible Core B OR C <sup>2</sup>	3
<input type="checkbox"/> ART 10 OR MUS 10 OR ACS 50	Art Survey OR Music Survey OR Automotive Technology Internship ( <b>Major Requirement</b> )	1
<input type="checkbox"/> PEA OR WFA 10	Physical Education OR Workplace First Aid ( <b>Major Requirement</b> )	1
<b>Subtotal:</b>		<b>15</b>

### SEMESTER IV Sophomore

<input type="checkbox"/> ACS 35 OR 36	Alternate Fuel Technology OR Hybrid/Electric Vehicles ( <b>Major Requirement</b> )	3
<input type="checkbox"/> HIS 10 OR HIS 11 <sup>3</sup>	History of the Modern World OR Introduction to the Modern World <sup>3</sup>	3
<input type="checkbox"/> COMM 11	Fundamentals of Interpersonal Communication ( <b>Flexible Core D</b> )	3
<input type="checkbox"/> CHM 11 <sup>4</sup> OR CHM 17 <sup>4</sup>	General College Chemistry I OR Fundamentals of General Chemistry ( <b>Required Core C</b> )	4
<input type="checkbox"/> ELC 15	Computer Applications in Technology ( <b>Major Requirement</b> )	2
<b>Subtotal:</b>		<b>15</b>

**TOTAL: 60**