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

**REMEDIAL SEQUENCE (if required)**
- ESL 1 (8)  
- ESL 2 (6)  
- ESL 3 (6)  
- ENG 9 (4)
- ENG 11 (4)  
- ENG 2 (4)
- RDL 1 (4)  
- RDL 2 (6)
- MTH 1 (4)  
- MTH 5 (6)  
- MTH 6 (6)

**CHM 2 (4)**

**GRADUATION REQUIREMENTS**
- GPA ≥ 2.0  
- ENG 1  
- English Composition (if required)

**FRESHMAN SEMINAR**
- FYS 11

**PATHWAYS REQUIRED CORE (course list available online)**
- A: English Composition ENG 110/111 and 112/113/114/115/116  
- C: Life and Physical Sciences CHM 11 OR CHM 17  
- Total: 6

**PATHWAYS FLEXIBLE CORE (course list available online)**
- A: World Cultures and Global Issues HIS 10/11  
- D: Individual and Society COMM 11  
- E: Scientific World PHY 11  
- B or C: Humanities Restricted Elective Select one from Flexible Core B or C  
- Total: 3

**Pathways Total:** 23

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**TWO-YEAR ACADEMIC PLAN**

**SEMMESTER I Freshman**
- ACS 10: Intro to Automotive Technology (Major Requirement)  
- ACS 24: Electrical Systems (Major Requirement)  
- ACS 11: Engine Repair (Major Requirement)  
- ENG 111: Fundamentals of Writing and Rhetoric \( ^1 \) OR English Composition I: Writing and Rhetoric (Major Requirement)  
- MTH 13: Trigonometry & College Algebra (Major Requirement)  
- Subtotal: 14

**SEMMESTER II Freshman**
- ACS 12: Brake Systems (Major Requirement)  
- ACS 13: Engine Performance (Major Requirement)  
- ACS 21: Steering & Suspension Systems (Major Requirement)  
- PHY 11: College Physics I (Flexible Core E)  
- 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 (Major Requirement)  
- Subtotal: 16

**SEMMESTER III Sophomore**
- ACS 23: Heating & Air Conditioning (Major Requirement)  
- ACS 35 OR 36: Alternate Fuel Technology OR Hybrid/Electric Vehicles (Major Requirement)  
- ACS 25 OR ACS 38: Automatic/Manual Transmission and Drive Trains OR Advanced Vehicle Diagnostics (Major Requirement)  
- Flexible Core B OR C  
- ART 10 OR MUS 10 OR ACS 50: Art Survey OR Music Survey OR Automotive Technology Internship (Major Requirement)  
- PEA OR WFA 10: Physical Education OR Workplace First Aid (Major Requirement)  
- Subtotal: 15

**SEMMESTER IV Sophomore**
- ACS 45: Diesel Technology (Major Requirement)  
- HIS 10 OR HIS 11\(^1\): History of the Modern World OR Introduction to the Modern World \(^3\)  
- COMM 11: Fundamentals of Interpersonal Communication (Flexible Core D)  
- CHM 11\(^4\) OR CHM 17\(^4\): General College Chemistry OR Fundamentals of General Chemistry (Major Requirement)  
- ELC 15: Computer Applications in Technology (Major Requirement)  
- Subtotal: 15

**TOTAL:** 60

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1Students 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.
2Credits 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.
3Reserved for students who have English remedial need, and enroll in ENG 2, RDL 2, or ENG 110 as a corequisite.
4CHM 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.