**FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE**

**AUTOMOTIVE SYSTEMS TECHNOLOGY (A60160)**

Effective: Fall 2022

Revised: 12/17/21

Length: 5 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

Award: Associate in Applied Science

**Fall Semester 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | Class | Lab | Clinical | Credit |
| AUT151 | Brake Systems  | 2 | 3 | 0 | 3 |
| AUT151A | Brakes Systems Lab | 0 | 3 | 0 | 1 |
| TRN110 | Intro to Transp Tech | 1 | 2 | 0 | 2 |
| TRN120 | Basic Transp Electricity | 4 | 3 | 0 | 5 |
| TRN170 | PC Skills for Transp | 1 | 2 | 0 | 2 |
|  | Humanities/Fine Arts Elective | 3 | 0 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **11** | **13** | **0** | **16** |

**Spring Semester 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | Class | Lab | Clinical | Credit |
| AUT113 | Automotive Servicing 1 | 0 | 6 | 0 | 2 |
| AUT141 | Suspension & Steering Sys | 2 | 3 | 0 | 3 |
| AUT141A | Suspension & Steering Sys Lab | 0 | 3 | 0 | 1 |
| AUT163 | Adv Auto Electricity | 2 | 3 | 0 | 3 |
| AUT163A | Adv Auto Electricity Lab | 0 | 3 | 0 | 1 |
| TRN140 | Transp Climate Control | 1 | 2 | 0 | 2 |
| TRN140A | Transp Climate Cont Lab | 1 | 2 | 0 | 2 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **6** | **22** | **0** | **14** |

**Summer Semester 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | Class | Lab | Clinical | Credit |
| AUT181 | Engine Performance 1 | 2 | 3 | 0 | 3 |
| ATT125 | Hybrid-Electric Trans | 2 | 4 | 0 | 4 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **4** | **7** | **0** | **7** |

**Fall Semester 2**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | Class | Lab | Clinical | Credit |
| AUT116 | Engine Repair | 2 | 3 | 0 | 3 |
| AUT116A | Engine Repair Lab | 0 | 3 | 0 | 1 |
| AUT183 | Engine Performance 2 | 2 | 6 | 0 | 4 |
| \*ENG110 | Freshman Composition | 3 | 0 | 0 | 3 |
| or |  |  |  |  |  |
| ENG111 | Writing & Inquiry | 3 | 0 | 0 | 3 |
|  | Soc/Behav Science Elective | 3 | 0 | 0 | 3 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **10** | **12** | **0** | **14** |

## Spring Semester 2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Prefix No.** | Title | Class | Lab | Clinical | Credit |
| AUT221 | Auto Transm/Transaxles | 2 | 3 | 0 | 3 |
| AUT221A | Auto Transm/Transax Lab | 0 | 3 | 0 | 1 |
| AUT231 | Man Trans/Axles/Drtrains | 2 | 3 | 0 | 3 |
| AUT231A | Man Trans/Ax/Drtrains Lab | 0 | 3 | 0 | 1 |
| COM120 | Intro Interpersonal Com | 3 | 0 | 0 | 3 |
| or |  |  |  |  |  |
| COM231 | Public Speaking | 3 | 0 | 0 | 3 |
| PHY122 | Applied Physics II | 3 | 2 | 0 | 4 |
|  |  | ----- | ----- | ----- | ----- |
|  | **Totals** | **10** | **14** | **0** | **15** |

**TOTAL REQUIRED CREDITS... 66**

**Work-Based Learning Option**: NA

**Note:** Students may **not** take an introductory foreign language to fulfill the Humanities/Fine Arts requirement.

**\*Note:** The acceptance of transfer credit is ultimately up to the receiving institution. Where choices are available it is best to contact the institution you plan to attend to maximize your selection. See your advisor for assistance in selecting courses. ENG-110 is not transferable.