

**University of Arkansas Community College Hope-Texarkana**  
**ASSOCIATE OF APPLIED SCIENCE IN GENERAL TECHNOLOGY**  
*2024-2025 Catalog*

|  |                       |                          |
|--|-----------------------|--------------------------|
| Student's Last Name:                               | Student's First Name: | Student ID#:             |
| Assigned Advisor:<br>Advisor who enrolled student: | Origination Date:     | Date of Latest Revision: |

**NOTE: Students should check their chosen Technical Certificate program's description in the current catalog for possible pre-requisite courses. These are courses that must be completed before enrolling in the next course in the progression. This sheet does not suggest sequence of attempting courses.**

|   |                                     |
|---|-------------------------------------|
| These courses fulfill remediation requirements only and are mandated by placement test results or multiple measures. Any degree seeking student who is required to take an academic skills course must also take UNVI 10003 College Life Skills.<br>_____ | Placement scores/comments:<br>_____ |
|---|-------------------------------------|

| <b>REQUIRED GENERAL EDUCATION COURSES<br/>(15 Credit Hours Total)</b>   | Credit        | Grade        | Sem/Year<br>Enrolled         | Notes        | ACTS Index<br>Numbers  |
|---|---------------|--------------|------------------------------|--------------|--|
| ENGL10103 Composition I   | 3             |              |                              |              | ENGL 1013  |
| ENGL10203 Composition II <i>or</i><br>ENGL20203 Technical Writing   | 3             |              |                              |              | ENGL 1023<br>ENGL 2023   |
| MATH11003 College Algebra <i>or</i><br>MATH11103 Quantitative Literacy or higher  | 3             |              |                              |              | MATH1103<br>MATH1113   |
| CPSI10003 Introduction to Computers   | 3             |              |                              |              | CPSI 1003  |
| <b>Choose 1 Social Science Elective (3 cr hrs)</b><br>CRJU10203 Introduction to Criminal Justice or<br>ECON21003 Macroeconomics or<br>ECON22003 Microeconomics<br>*GEOG11003 Introduction to Geography or<br>HIST11103 World Civilizations I or<br>HIST11203 World Civilizations II or<br>HIST21103 U.S. History I or<br>HIST21203 U.S. History II or<br>PSYC11003 General Psychology or<br>PSYC21003 Developmental Psychology or<br>SOC10103 Sociology or<br>SOC120103 Social Problems | 3             |              |                              |              | CRJU 1023<br>ECON 2103<br>ECON 2203<br>GEOG 1103<br>HIST 1213<br>HIST 1223<br>HIST 2113<br>HIST 2123<br>PSYC 1103<br>PSYC 2103<br>SOC1 1013<br>SOC1 2013 |
| <b>ELECTIVES: Students must select courses from the following list of Advisor Approved Electives to attain the minimum required credit hours to equal 60 credit hours.</b>  | <b>Credit</b> | <b>Grade</b> | <b>Sem/Year<br/>Enrolled</b> | <b>Notes</b> |  |
| BLAD12001 Knifemaking   | 1             |              |                              |              |  |
| BLAD12202 Bladesmithing   | 2             |              |                              |              |  |
| BLAD14101 Damascus Steel  | 1             |              |                              |              |  |
| BLAD15101 Advanced Bladesmithing - Skill Builders   | 1             |              |                              |              |  |
| BUSI12303 Professionalism in the Workplace  | 3             |              |                              |              |  |
| CTTE12403 Basic Carpentry   | 3             |              |                              |              |  |
| CTTE12503 Basic Plumbing  | 3             |              |                              |              |  |
| DIEL10054 Basic Diesel Shop   | 4             |              |                              |              |  |
| DIEL11035 Engine Systems (Historical: DIES 1104)  | 5             |              |                              |              |  |
| DIEL12034 Diesel Engines  | 4             |              |                              |              |  |
| DIEL13044 Fuel Systems  | 4             |              |                              |              |  |
| DIEL14034 Electrical Systems  | 4             |              |                              |              |  |
| DIEL14104 Diesel Electronics  | 4             |              |                              |              |  |
| DIEL20004 Suspension & Steering (Historical: DIES 2005)   | 4             |              |                              |              |  |
| DIEL20204 Brakes & Hydraulics (Historical: DIES 2025)   | 4             |              |                              |              |  |
| DIEL21034 Clutches & Power Trains (Historical: DIES2105)  | 4             |              |                              |              |  |

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|---|---|--|--|--|
| DIEL22034 Air Conditioning                                      | 4 |  |  |  |
| DIEL22104 Troubleshooting & Inspections (Historical: DIES 2215) | 4 |  |  |  |
| UNVI10003 College Life Skills                                   | 3 |  |  |  |
| ELTE11004 Basic Electricity                                     | 4 |  |  |  |
| ELTE12004 Residential Wiring                                    | 4 |  |  |  |
| ELTE13003 National Electric Code                                | 3 |  |  |  |
| ELTE14003 Industrial Motor & Controls                           | 3 |  |  |  |
| ELTE16003 Industrial & Commercial Wiring                        | 3 |  |  |  |
| HVAC10042 Tubing & Piping                                       | 2 |  |  |  |
| HVAC12044 Principles of Refrigeration                           | 4 |  |  |  |
| HVAC15043 Motors and Controls                                   | 3 |  |  |  |
| HVAC16044 Schematics  | 4 |  |  |  |
| HVAC17003 Air Properties  | 3 |  |  |  |
| HVAC18044 Residential Systems                                   | 4 |  |  |  |
| HVAC19044 AC Systems  | 4 |  |  |  |
| CTTE10003 Blueprint Reading                                     | 3 |  |  |  |
| MSTE11054 Hydraulics/Pneumatics                                 | 4 |  |  |  |
| MSTE13054 Basic Programmable Controllers                        | 4 |  |  |  |
| MSTE14054 Mech. Devices & Systems                               | 4 |  |  |  |
| MSTE24155 Instrumentation & Control                             | 5 |  |  |  |
| MSTE10053 Intro to Machining Processes                          | 3 |  |  |  |
| MSTE10055 Machine Shop Basics I                                 | 5 |  |  |  |
| MSTE12155 Basic Lathe Operations                                | 5 |  |  |  |
| MSTE13155 Basic Knee Mill                                       | 5 |  |  |  |
| PWRT10003 Fundamentals of Modern Power Plants                   | 3 |  |  |  |
| PWRT10303 Introduction to Alternative Energy                    | 3 |  |  |  |
| PWRT12103 Introduction to Power Plant Generation                | 3 |  |  |  |
| PWRT12303 Fossil Fuels  | 3 |  |  |  |
| PWRT13103 Troubleshooting and Repair                            | 3 |  |  |  |
| PVOL20003 Installation Lab                                      | 3 |  |  |  |
| PVOL20103 Solar Electric Design                                 | 3 |  |  |  |
| PVOL20203 PV Systems  | 3 |  |  |  |
| PWRT20003 Intro to Wind Technology                              | 3 |  |  |  |
| TECH11182 General Tool and Safety                               | 2 |  |  |  |
| WELD10253 Basic Welding   | 3 |  |  |  |
| WELD11154 Pipe & Structural Fitting                             | 4 |  |  |  |
| WELD12154 Intro to Arc Welding                                  | 4 |  |  |  |
| WELD13152 Metallurgy  | 2 |  |  |  |
| WELD13256 Position Welding                                      | 6 |  |  |  |
| WELD15253 MIG Welding   | 3 |  |  |  |
| WELD15152 TIG Welding   | 2 |  |  |  |
| WELD17153 Spray Arc Welding                                     | 3 |  |  |  |
| Advisor Approved Elective                                       |   |  |  |  |

**\*Courses are no longer offered but can be accepted as credit if previously earned**

Additional Comments or Notes:

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**Major Technical Discipline:** It is recommended that students obtain at least one Technical Certificate while seeking their Associates of Applied Science in General Technology Degree. The following certificates contain courses that count toward that degree. Students seeking their AAS in Diesel Technology or AAS in Electromechanical, should not seek the AAS General Technology Degree.

| Technical Certificate Choices  | Total Hours | Complete                 | Sem/Year Enrolled | Notes |
|--|-------------|--------------------------|-------------------|-------|
| Technical Certificate in Basic Diesel (21-24 credits)<br><ul style="list-style-type: none"> <li>◦ CP Chassis</li> <li>◦ CP Brakes/Power Train</li> <li>◦ CP Engine Systems</li> <li>◦ CP Electrical Systems</li> </ul> | <b>45</b>   | <input type="checkbox"/> |                   |       |
| Technical Certificate in HVAC (includes the following)<br><ul style="list-style-type: none"> <li>◦ CP HVAC</li> </ul>  | <b>30</b>   | <input type="checkbox"/> |                   |       |
| Technical Certificate in Solar Power Technology<br><ul style="list-style-type: none"> <li>◦ CP Solar Energy Technology</li> </ul>  | <b>29</b>   | <input type="checkbox"/> |                   |       |
| Technical Certificate in Welding Technology<br><ul style="list-style-type: none"> <li>◦ CP Welding Technology</li> </ul>   | <b>29</b>   | <input type="checkbox"/> |                   |       |
| Technical Certificate in Electromechanical Technology<br><ul style="list-style-type: none"> <li>◦ CP Industrial Electricity</li> <li>◦ CP Industrial Maintenance - Mechanical</li> </ul>                               | <b>30</b>   | <input type="checkbox"/> |                   |       |
| Technical Certificate in Construction Technology<br><ul style="list-style-type: none"> <li>◦ CP Construction Technology</li> </ul>   | <b>23</b>   | <input type="checkbox"/> |                   |       |

**[ARKANSAS COURSE TRANSFER SYSTEM \(ACTS\)](#)**

The Arkansas Course Transfer System (ACTS) contains information about the transferability of courses within Arkansas public colleges and universities. Courses not having an ACTS number may also transfer. Please consult the receiving institution for complete transfer information. ACTS may be accessed by visiting <http://adhe.edu>.

I have reviewed this degree plan with my advisor and understand that it represents the most efficient way to achieve my educational goals based on the information that I supplied to my advisor at that time.

**Student's Signature:**

**Date:**

**Advisor's Signature:**

**Date:**