

# BIG BEND COMMUNITY COLLEGE

## INDUSTRY, MANUFACTURING, AND TRADES AGRICULTURAL MECHANICS TECHNOLOGY (AGM)

NAME:



Mechanics is the science of things in motion. Agricultural mechanics is concerned with these principles as they apply to the repair and maintenance of cultivation machines. BBCC offers students interested in Agricultural Mechanics Technology a one-year Certificate of Achievement and a two-year Associate of Applied Science (AAS) degree. AGM students will gain in-depth knowledge and skills relating to hydraulic, braking, drivetrain, diesel, electrical, and mechanical systems. Program graduates will leave BBCC with the skills needed to support local, regional, and national agricultural businesses as the Service Technicians and Farm Equipment Mechanics of tomorrow.

### ENTRY REQUIREMENTS

- Complete Admissions and Placement processes
- Meet with AGM advisor prior to enrolling

SID:

### CREDENTIAL REQUIREMENTS

#### AGM Certificate of Achievement ( 64 Credits )

- |   |   |
|---|---|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> AGM 102 – Agricultural Workplace Safety (1)</li> <li><input type="checkbox"/> AGM 103 – Agricultural Equipment Operation (3)</li> <li><input type="checkbox"/> AGM 109 – Measuring and Tools Identification (2)</li> <li><input type="checkbox"/> AGM 141 – Hydraulics I (6)</li> <li><input type="checkbox"/> AGM 151 – Drivetrains I (6)</li> <li><input type="checkbox"/> AUT 111 – Automotive Engine Service (9)</li> <li><input type="checkbox"/> AUT 121 – Automotive Electrical &amp; Electronic Sys (15)</li> <li><input type="checkbox"/> WLD 145 – Agricultural Welding (4)</li> <li><input type="checkbox"/> FAD 150 – Industrial First-Aid &amp; CPR (2)</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> BUS 120 – Human Relations on the Job (4)<br/>OR SOC&amp; 101 – Intro to Sociology (5)<br/>OR PSYCH&amp; 100 – General Psychology (5)</li> <li><input type="checkbox"/> CMST 100 – Human Communications 4<br/>OR CMST&amp; 220 – Public Speaking (5)<br/>OR CMST&amp; 210 – Interpersonal Communications (5)</li> <li><input type="checkbox"/> ENGL 109 – Applied Technical Writing (3)<br/>OR ENGL&amp; 101 – English Composition I (5)</li> <li><input type="checkbox"/> MAP 117 – Applied Math for Workforce Ed. (5)</li> </ul> |
|---|---|

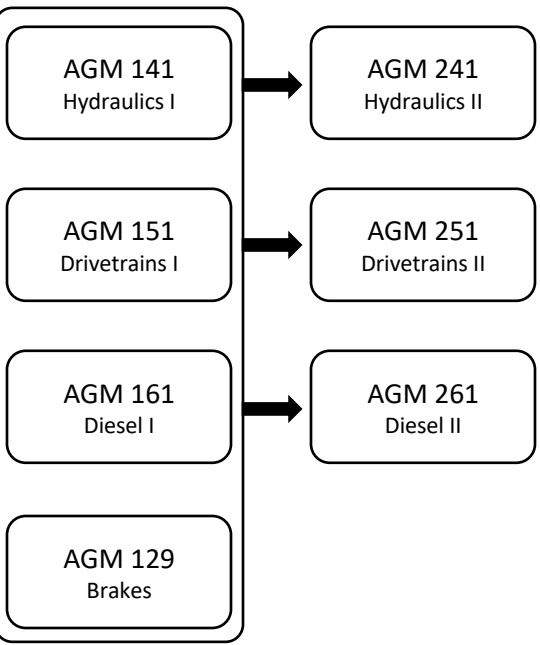
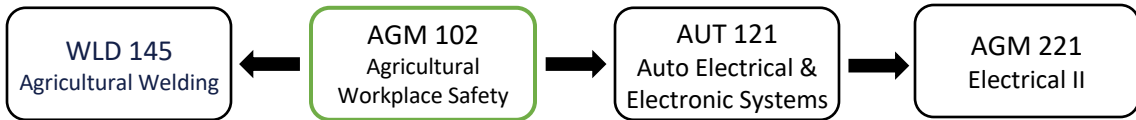
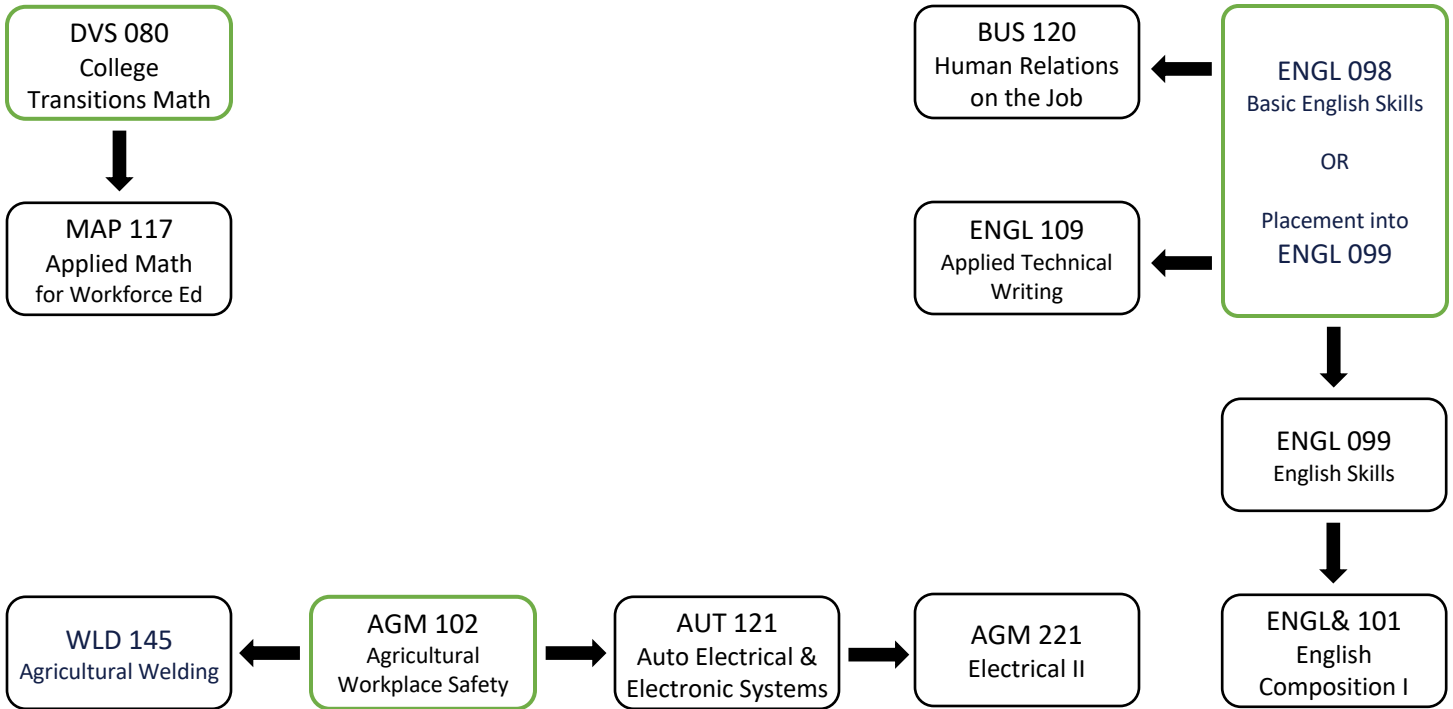
#### AGM Associate of Applied Science Degree (In addition to the Certificate of Achievement)

- |   |  |
|---|--|
| <ul style="list-style-type: none"> <li><input type="checkbox"/> AGM 129 – Brakes (5)</li> <li><input type="checkbox"/> AGM 161 – Diesel I (5)</li> <li><input type="checkbox"/> AGM 221 – Electrical II (6)</li> <li><input type="checkbox"/> AGM 241 – Hydraulics II (5)</li> <li><input type="checkbox"/> AGM 251 – Drivetrains II (5)</li> </ul> | <ul style="list-style-type: none"> <li><input type="checkbox"/> AGM 261 – Diesel II (6)</li> <li><input type="checkbox"/> AGM 291 – Diagnostics (capstone) (8)</li> <li><input type="checkbox"/> AGR 295 – Work-based Learning (5)</li> <li><input type="checkbox"/> AGR 297 – Work-based Learning Seminar (1)</li> <li><input type="checkbox"/> AUT 231 – Automotive Heating and A/C (6)</li> </ul> |
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116 TOTAL DEGREE CREDITS

[PROGRAM/DEGREE] PRE-REQUISITE FLOW CHART

Start by talking with your assigned advisor to determine which courses to take first based on your placement scores.



**Courses WITHOUT PRE-requisites**  
AGM 102 – Agricultural Workplace Safety

**KEY**

STARTING POINT of SEQUENCE

PRE-requisite

CO-requisite

[F = fall W = winter Sp = spring Su = summer]

**AGRICULTURAL MECHANIC TECHNOLOGY DEGREE - QUARTERLY PROGRAM PLAN (YEAR ONE)**

| AGRICULTURAL MECHANIC TECHNOLOGY DEGREE - QUARTERLY PROGRAM PLAN (YEAR ONE)  |  |  |   |
|--|--|--|---|
| FALL (14)  | WINTER (19)  | SPRING (19)  | SUMMER (9)                                |
| AGM 102 (1)<br>AGM 109 (2)<br>AGM 151 (6)<br>MAP 117 (5)   | AUT 121 (15)<br>WLD 145 (4)  | AGM 141 (6)<br>AUT 111 (9)<br>BUS 120 (4)  | AGR 295 (5)<br>AGR 297 (1)<br>AGM 103 (3) |
| ADVISING   |  |  |   |
| FALL (CR)  | WINTER (CR)  | SPRING (CR)  |   |
| <input type="checkbox"/> BCC Foundation scholarship app<br><input type="checkbox"/> Fill out FAFSA or WAFSA for next year<br><input type="checkbox"/> Meet with your advisor | <input type="checkbox"/> Assess program plan with advisor<br><input type="checkbox"/> Complete letter of intent for Year 2 | <input type="checkbox"/> Assess program plan with advisor<br><input type="checkbox"/> Prepare for Year 2 mandatory orientation |   |

**AGRICULTURAL MECHANIC TECHNOLOGY DEGREE - QUARTERLY PROGRAM PLAN (YEAR TWO)**

| AGRICULTURAL MECHANIC TECHNOLOGY DEGREE - QUARTERLY PROGRAM PLAN (YEAR TWO)  |  |  |  |
|--|--|--|--|
| FALL (20)  | WINTER (16)  | SPRING (19)  |  |
| AGM 161 (5)<br>AGM 221 (6)<br>AGM 241 (5)<br>CMST 100 (4)  | AGM 251 (5)<br>AGM 261 (6)<br>AGM 129 (5)  | AGM 291 (8)<br>AUT 231 (6)<br>FAD 150 (2)<br>ENG 109 (3)   |  |
| ADVISING   |  |  |  |
| FALL   | WINTER   | SPRING   |  |
| <input type="checkbox"/> BCC Foundation scholarship app<br><input type="checkbox"/> Fill out FAFSA or WAFSA for next year<br><input type="checkbox"/> Meet with your advisor | <input type="checkbox"/> Assess program plan with advisor<br><input type="checkbox"/> Complete letter of intent for Year 2 | <input type="checkbox"/> Assess program plan with advisor<br><input type="checkbox"/> Prepare for Year 2 mandatory orientation |  |

**AGRICULTURAL MECHANIC TECHNOLOGY CERTIFICATE - QUARTERLY PROGRAM PLAN**

| AGRICULTURAL MECHANIC TECHNOLOGY CERTIFICATE - QUARTERLY PROGRAM PLAN  |   |  |   |
|--|---|--|---|
| FALL (CR)  | WINTER (CR)   | SPRING (CR)  | SUMMER (CR)   |
| AGM 102 (1)<br>AGM 109 (2)<br>AGM 151 (6)<br>MAP 117 (5)<br>CMST 100 (4)   | AUT 121 (15)<br>WLD 145 (4)<br>FAD 150 (2)  | AGM 141 (6)<br>AUT 111 (9)<br>BUS 120 (4)<br>ENG 109 (3)   | AGM 103 (3)   |
| ADVISING   |   |  |   |
| FALL   | WINTER  | SPRING   |   |
| <input type="checkbox"/> BCC Foundation scholarship app<br><input type="checkbox"/> Fill out FAFSA or WAFSA for next year<br><input type="checkbox"/> Meet with your advisor | <input type="checkbox"/> Assess program plan with advisor<br><input type="checkbox"/> Complete letter of intent for Year 2<br><input type="checkbox"/> Apply for graduation | <input type="checkbox"/> Assess program plan with advisor<br><input type="checkbox"/> Prepare for Year 2 mandatory orientation | <input type="checkbox"/> Log internship hours for portfolio |