

BIG BEND COMMUNITY COLLEGE

INDUSTRY, MANUFACTURING & TRADES AGRICULTURE TECHNOLOGY & MANAGEMENT

NAME: _____



BBCC provides students interested in Agricultural Technology and Management a comprehensive Associate in Applied Science (AAS) degree with three customized pathways intended to provide graduates with the skills needed to independently operate or support local, regional and national agriculture industries. This degree plan specifically outlines pathways for students interested in specializing in Agricultural Business, Agronomy, and/or the use of Unmanned Aerial Vehicles (UAVs). The three specialization options include:

- Ag Business
- Agronomy
- Unmanned Systems

ENTRY REQUIREMENTS

- Complete Admissions and Placement processes Meet with Ag Coordinator/Advisor

DEGREE REQUIREMENTS

Related Instruction (18 – 22 credits)

- | | |
|---|--|
| <input type="checkbox"/> BUS 120 – Human Relations on the Job (4) or
<i>PSYC& 100 – General Psychology (5) or
SOC& 100 – Introduction to Sociology (5)</i> | <input type="checkbox"/> ENGL 109 – Applied Technical Writing (3) or
<i>ENGL& 101 – Composition I (5)</i> |
| <input type="checkbox"/> CMST 100 – Human Communications (4) or
<i>CMST& 210 – Interpersonal Communications (5) or
CMST& 220 – Public Speaking (5)</i> | <input type="checkbox"/> FAD 150 – Industrial First Aid & CPR (2)
<input type="checkbox"/> BUS 102 – Business Mathematics (5) or
MAP 103 – Applied Mathematics (5) or
MAP 117 – Applied Math for Workforce Programs (5) |

Program Core (55 – 67 credits)

- | | |
|---|---|
| <input type="checkbox"/> AGR 101 – Introduction to Ag Industry & Careers (2)
<input type="checkbox"/> AGR 120 – Introduction to Precision Agriculture (5)
<input type="checkbox"/> AGR 212 – Ag Safety and Pesticides (5)
<input type="checkbox"/> AGR 241 – Farm & Ranch Management (5)
<input type="checkbox"/> AGR 261 – Plant Science (5)
<input type="checkbox"/> AGR 263 – Soils (5)
<input type="checkbox"/> AGR 271 – Ag Sales & Marketing (5)
<input type="checkbox"/> AGR 272 – Food Sustainability & Safety (5) | <input type="checkbox"/> AGR 295 – Work-based Learning Internship (4) and
AGR 297 – Work-based Learning Seminar (1)
or
CDL 100 – Commercial Driver’s License (17)
<input type="checkbox"/> BIM 110 – Microsoft Office Essentials (3)
<input type="checkbox"/> BUS 200 – Supervision (5)
<input type="checkbox"/> ECON& 201 – Microeconomics (5) |
|---|---|

Ag Business Specialization Option (22 Credits)

- | | |
|--|---|
| <input type="checkbox"/> ACCT 105 – Introduction to Accounting (5)
<input type="checkbox"/> ACCT 262 – Introduction to QuickBooks (2)
<input type="checkbox"/> Advisor Approved Elective (5) | <input type="checkbox"/> BUS& 101 – Introduction to Business (5)
<input type="checkbox"/> BUS 170 – Consumer Finance (5) |
|--|---|

Agronomy Specialization Option (23 Credits)

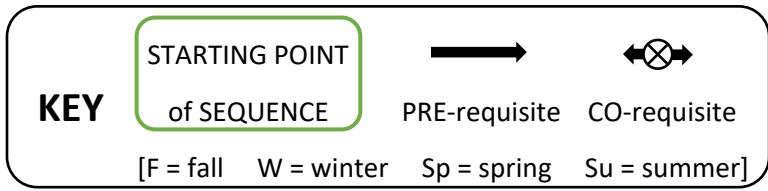
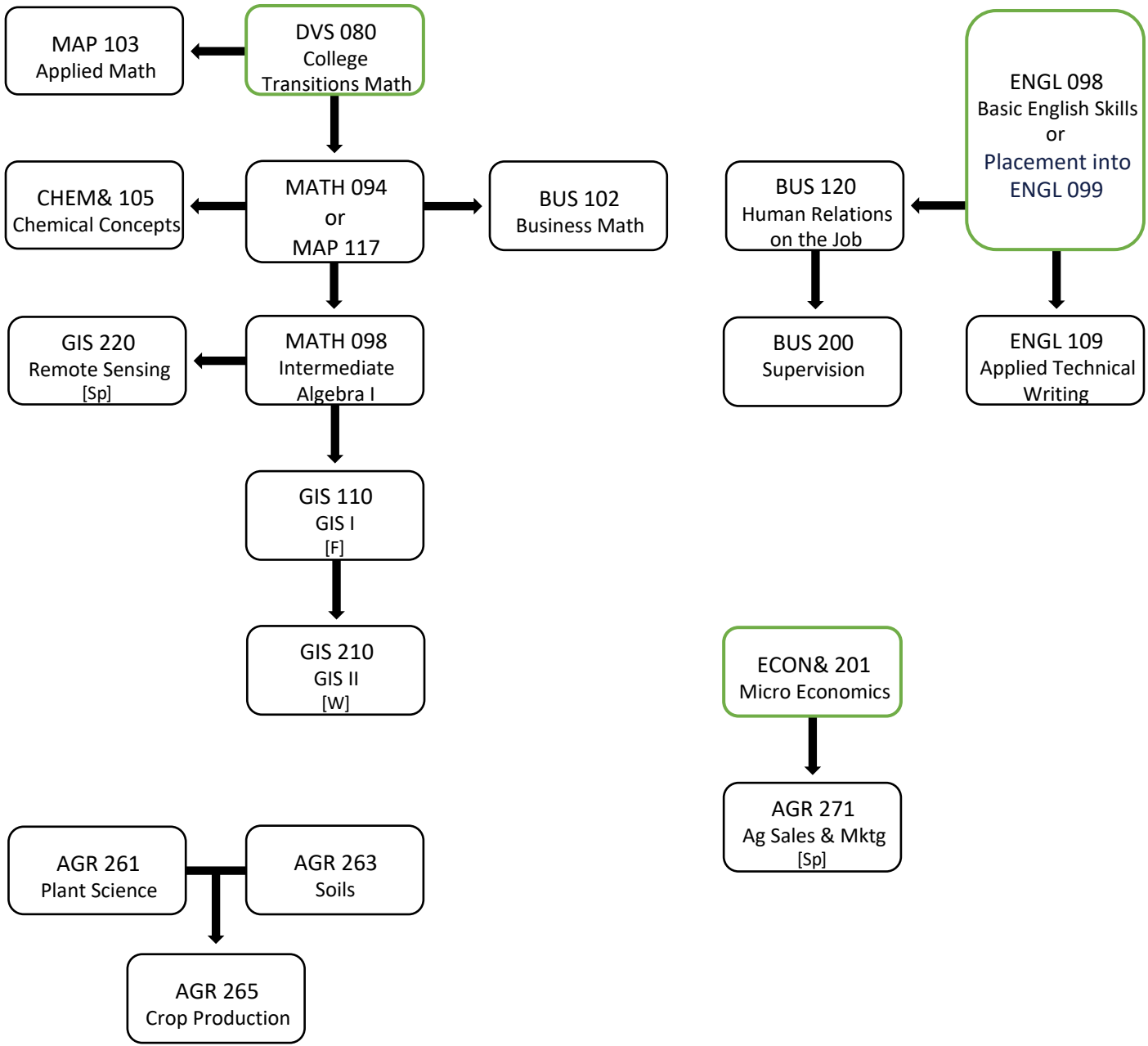
- | | |
|--|--|
| <input type="checkbox"/> AGR 110 – Water Management in Agriculture (3)
<input type="checkbox"/> AGR 211 – Ag Weeds Identification and Controls (5)
<input type="checkbox"/> AGR 251 – Integrated Pest Management (5) | <input type="checkbox"/> AGR 265 – Crop Production (5)
<input type="checkbox"/> CHEM& 105 – Chemical Concepts (5) |
|--|--|

Unmanned Systems Specialization Option (23 Credits)

- | | |
|--|---|
| <input type="checkbox"/> GIS 110 – Geographical Information Systems (GIS) I (4)
<input type="checkbox"/> GIS 210 – Geographical Information Systems (GIS) II (3)
<input type="checkbox"/> GIS 220 – Remote Sensing (3) | <input type="checkbox"/> UMS 112 – UAS Ground School (5)
<input type="checkbox"/> UMS 107 – Commercial Remote Pilot Certification (2)
<input type="checkbox"/> UMS 142 – UAS Flight Lab (6) |
|--|---|

95 – 108 TOTAL DEGREE CREDITS

SID: _____



- Courses WITHOUT PRE-requisites**
- Program Course Requirements
- AGR 101 – Intro to Ag Industry [F]
 - AGR 241 – Farm & Ranch Management [F]
 - AGR 261 – Plant Science [F]
 - AGR 263 – Soils [W]
 - CMST 100 – Human Communications
 - FAD 150 – Industrial First Aid & CPR
- Program Electives or Specializations Courses
- UMS 101 – Intro to UAS [F, Sp]
 - UMS 107 – Remote Pilot Cert [Sp]

NAME: _____

AG BUSINESS QUARTERLY PROGRAM PLAN (YEAR ONE)			
FALL (17 credits)	WINTER (14 credits)	SPRING (13 credits)	SUMMER
AGR 101 (2) AGR 261 (5) BUS& 101 (5) MAP 103/117/BUS 102 (5)	AGR 263 (5) ACCT& 105 (5) BUS 120 (4)	AGR 212 (5) BIM 110 (3) ECON& 201 (5)	AGR 295 and AGR 297
AG BUSINESS QUARTERLY PROGRAM PLAN (YEAR TWO)			
FALL (15 credits)	WINTER (16 credits)	SPRING (15 credits)	SUMMER
ACCT 262 (2) AGR 120 (5) AGR 241 (5) ENGL 109 (3)	AGR 272 (5) BUS 200 (5) CMST 100 (4) FAD 150 (2)	AGR 271 (5) BUS 170 (5) Approved Elective (5)	AGR 295 and AGR 297 or CDL 100

AGRONOMY QUARTERLY PROGRAM PLAN (YEAR ONE)			
FALL (15 credits)	WINTER (15 credits)	SPRING (14 credits)	SUMMER
AGR 101 (2) AGR 261 (5) ENGL 109 (3) MAP 117(5)	AGR 110 (3)* AGR 263 (5) BIM 110 (3) BUS 120 (4)	AGR 251 (5)* CMST 100 (4) ECON& 201 (5)	AGR 295 and AGR 297 or CDL 100
AGRONOMY QUARTERLY PROGRAM PLAN (YEAR TWO)			
FALL (15 credits)	WINTER (16 credits)	SPRING (15 credits)	SUMMER
AGR 120 (5) AGR 241 (5) AGR 265 (5)	AGR 272 (5)* BUS 200 (5) CHEM& 105 (5) FAD 150 (2)	AGR 211 (5)* AGR 212 (5) AGR 271 (5)	AGR 295 and AGR 297 or CDL 100

SID: _____

AG UNMANNED SYSTEMS QUARTERLY PROGRAM PLAN (YEAR ONE)			
FALL (17 credits)	WINTER (14 credits)	SPRING (15 credits)	SUMMER
AGR 101 (2) AGR 261 (5) MAP 103/117/BUS 102 (5) UMS 112 (5)	AGR 263 (5) ECON& 201 (5) GIS 110 (4)	AGR 212 (5) BIM 110 (3) UMS 142 (6) BUS 120 (4)	AGR 295 and AGR 297
AG UNMANNED SYSTEMS QUARTERLY PROGRAM PLAN (YEAR TWO)			
FALL (13 credits)	WINTER (15 credits)	SPRING (12 credits)	SUMMER
AGR 120 (5) AGR 241 (5) ENGL 109 (3)	AGR 272 (5) BUS 200 (4) CMST 100 (4) GIS 210 (3)	AGR 271 (5) FAD 150 (2) GIS 220 (3) UMS 107 (2)	AGR 295 and AGR 297 or CDL 100

QUARTERLY REGISTRATION PLANNING

QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER				REGISTRATION ACCESS CODE _____	
CLASS	TITLE	CREDITS	DAYS	TIME	

QUARTERLY REGISTRATION PLANNING

QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER				REGISTRATION ACCESS CODE _____	
CLASS	TITLE	CREDITS	DAYS	TIME	

QUARTERLY REGISTRATION PLANNING

QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER				REGISTRATION ACCESS CODE _____	
CLASS	TITLE	CREDITS	DAYS	TIME	

QUARTERLY REGISTRATION PLANNING

QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER				REGISTRATION ACCESS CODE _____	
CLASS	TITLE	CREDITS	DAYS	TIME	

NAME: _____

SID: _____

QUARTERLY REGISTRATION PLANNING

QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER				REGISTRATION ACCESS CODE _____	
CLASS	TITLE	CREDITS	DAYS	TIME	

QUARTERLY REGISTRATION PLANNING

QUARTER <input type="checkbox"/> FALL <input type="checkbox"/> WINTER <input type="checkbox"/> SPRING <input type="checkbox"/> SUMMER				REGISTRATION ACCESS CODE _____	
CLASS	TITLE	CREDITS	DAYS	TIME	

NAME: _____

SID: _____

NAME: _____

SID: _____

Big Bend Community College
WORKFORCE EDUCATION PROGRAM REQUIREMENTS
Associate in Applied Science Degree

Credit Requirement: Completion of the total credit requirements of the approved Workforce Education Program Plan. Minimum of 90 quarter hours. It is the student's responsibility to insure that he/she meets all of the technical and general education degree requirements.

MATHEMATICS REQUIREMENT: 3-5 credits* in mathematics courses as stated in the approved Professional/Technical Program Plan.

BUS 102	Business Mathematics
MAP 100	Applied Mathematics (AMT)*
MAP 101	Applied Mathematics (AUT/WLD)
MAP 103	Applied Mathematics (MMT/IET)
MAP 117	Applied Mathematics for Workforce I
MAP 119	Applied Mathematics for Workforce II
MATH& 107	Math in Society
MATH& 141	Pre-calculus I
MATH& 146	Intro to Statistics
MATH 147	Finite Mathematics
*AMT program requires two MAP 100 credits	

WRITTEN COMMUNICATIONS REQUIREMENT: 3-5 credits in written communications courses as stated in the approved Professional/Technical Program Plan.

BUS 121	Business English
ENGL& 101	English Composition I
ENGL 109	Applied Technical Writing

ORAL COMMUNICATIONS REQUIREMENT: 3-5 credits in oral communications courses as stated in the approved Professional/Technical Program Plan.

AVF 225	Effective Communications in Flight Instruction
CMST 100	Human communications
CMST& 210	Interpersonal Communications
CMST& 220	Public Speaking

HUMAN RELATIONS REQUIREMENT: 3-5 credits in human relations courses as stated in the approved Professional/Technical Program Plan.

BUS 120	Human Relations on the Job
EDUC& 115	Child Development
PSYC& 100	General Psychology
SOC& 101	Intro to Sociology

INDUSTRIAL FIRST AID REQUIREMENT: 2 credits in Industrial First Aid or equivalent or higher certification as stated in the approved Professional/Technical Program Plan.

FAD 150	Industrial First Aid and CPR plus Bloodborne Pathogens
Current First Aid/CPR, First Responder, or EMT card	

Student Name _____ SID# _____

Approval: _____

Advisor _____ Date _____

Program Completion Approval: _____

Dean of Workforce Education _____ Date _____

Each program must be approved by the Workforce Education program advisor. Program changes and substitutions must be approved by the program advisor prior to application for degree.