

BIG BEND COMMUNITY COLLEGE

AVIATION

Unmanned Aircraft Systems (UAS)



Due to the growing use of UAS and sensor technology in such areas as agriculture, entertainment, law enforcement, construction, recreation, wildlife, forestry, search and rescue operations, and independent consulting there is great demand for UAS related certifications.

UAS certifications can prepare students with the knowledge, skills, and abilities to perform UAS operations in a broad range of industries. These certificates include sensor technologies, data collection and management, flight operations and mission planning, and the analysis of data and information using global positioning system (GPS) and geographical information system (GIS) tools.

ENTRY REQUIREMENTS

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

CERTIFICATE OPTION & REQUIREMENTS

Unmanned Aircraft Systems (UAS) Professional Remote Pilot Certificate of Accomplishment (19 Credits)

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| <ul style="list-style-type: none"> <input type="checkbox"/> UMS 107 – Commercial Remote Pilot Cert. (2) <input type="checkbox"/> UMS 112 – UAS Ground School (5) | <ul style="list-style-type: none"> <input type="checkbox"/> UAS 142 – UAS Flight Lab (6) <input type="checkbox"/> UAS 208 – UAS Mission Planning (6) |
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Unmanned Aircraft Systems (UAS) Remote Sensing Analyst Certificate of Accomplishment (16 Credits Total)

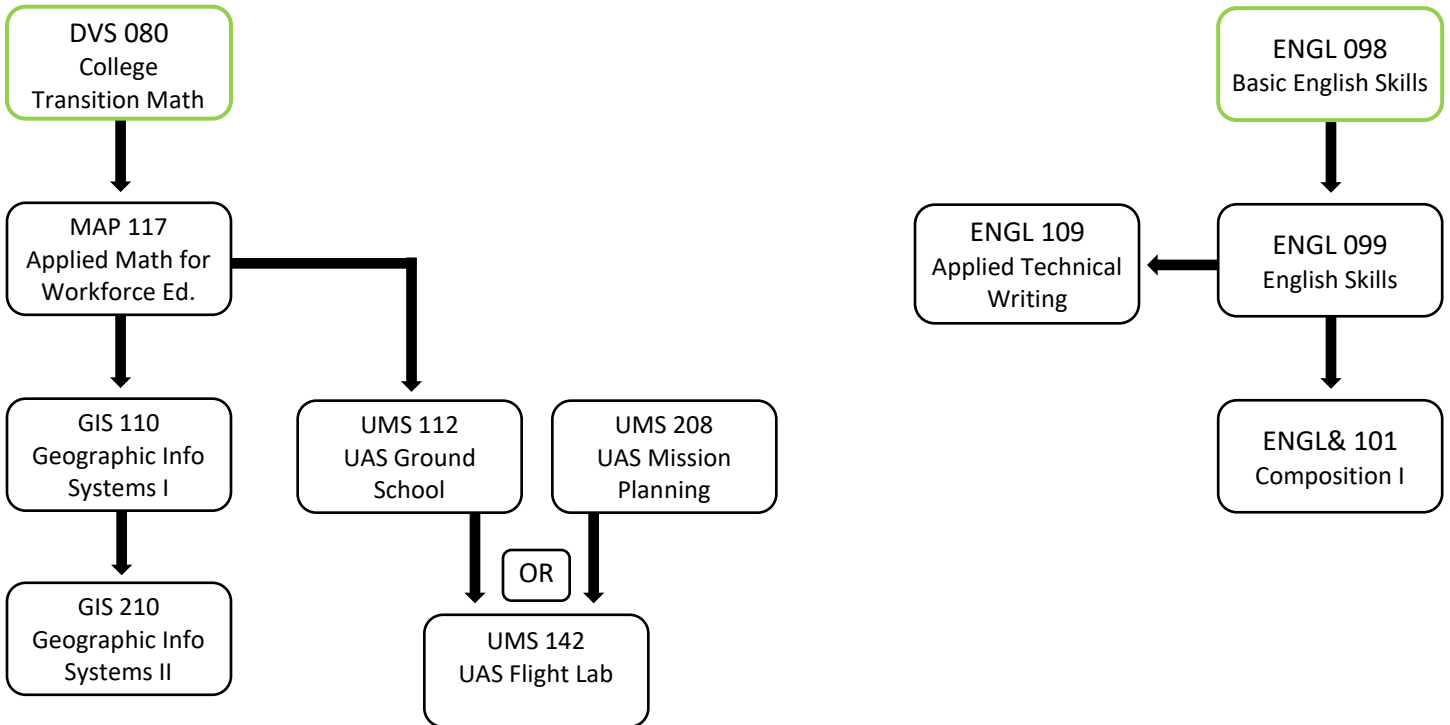
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|--|---|
| <ul style="list-style-type: none"> <input type="checkbox"/> UMS 107 – Commercial Remote Pilot Cert. (2) <input type="checkbox"/> UMS 112 – UAS Ground School (5) | <ul style="list-style-type: none"> <input type="checkbox"/> GIS 110 – Geographic Information Systems I (4) <input type="checkbox"/> GIS 210 – Geographic Information Systems II (5) |
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Unmanned Aircraft Systems (UAS) Operations Certificate of Achievement (48 Credits Total)

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| <ul style="list-style-type: none"> <input type="checkbox"/> CMST& 210 – Interpersonal Communication (5) OR
CMST& 220 – Public Speaking (5) <input type="checkbox"/> ENGL 109 – Applied Technical Writing (3)
<i>(may be substituted for ENGL& 101)</i> <input type="checkbox"/> FAD 150 – Industrial First Aid & CPR (2) <input type="checkbox"/> MAP 117 – Applied Math for Workforce Education
Programs I (5) <input type="checkbox"/> SOC& 101 – Introduction to Sociology (5) OR
PSYC& 100 – General Psychology (5) | <ul style="list-style-type: none"> <input type="checkbox"/> UMS 107 – Commercial Remote Pilot Cert. (2) <input type="checkbox"/> UMS 112 – UAS Ground School (5) <input type="checkbox"/> UMS 142 – UAS Flight Lab (6) <input type="checkbox"/> UMS 208 – UAS Mission Planning (6) <input type="checkbox"/> GIS 110 – Geographic Information Systems I (4) <input type="checkbox"/> GIS 210 – Geographic Information Systems II (5) |
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UAS PRE-REQUISITE FLOW CHART

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



KEY

STARTING POINT of SEQUENCE	 PRE-requisite	 CO-requisite
[F = fall W = winter Sp = spring Su = summer]		

**BIG BEND COMMUNITY COLLEGE
WORKFORCE EDUCATION PROGRAM REQUIREMENTS**

Certificate of Accomplishment

Students working toward a Certificate of Accomplishment need to develop a program plan with the faculty advisor in their Workforce Education area of interest. The Certificate of Achievement is designed to provide recognition for the student who does not complete a Certificate of Achievement or an Associate in Applied Science degree program.

Changes or substitutions for course work in the college catalog must be listed and approved by the advisor. It is essential that students meet quarterly with their advisor before registration to review progress and plan their program.

Each program plan must be approved by the Workforce Education program advisor and Dean of Workforce Education. Certificates will be issued out of the Dean of Workforce Education Instructional Services office.

Certificate of Accomplishment **QTR & YR Completed:** _____

Certificate of Achievement **QTR & YR Completed:** _____

Title of Certificate:

Advisor Approval:

Advisor

Date

Program Completion Approval:

Dean of Workforce Education

Date

Instructional Services Office Assistant

Date