

GEOGRAPHY: Drone Technology Certificate of Achievement

PROGRAM LEARNING OUTCOMES

- Students completing the program will be able to:
1. Explain the basics of drone flightpreparation.
 2. Demonstrate how to download and post-process data acquired with adrone.
 3. Describe UAS laws, air space regulations, andlicensing.
 4. Demonstrate the procedures for analyzing data obtained during a droneflight.
 5. Demonstrate how the data obtained from drone is applied in a selectedprofession.
 6. Explain the how data acquired by drone is used in geospatialapplications.

COMPLETE at least 6 units from one of the following groups

Geography and Geospatial

GEOG 125
Introduction to Geographic Information Systems (GIS)

GEOG 129
Field Data Acquisition and Management

GEOG 160
Introduction to Remote Sensing

or

Administration of Justice

ADJUS 203
Crime Scene Investigation

ADJUS 222
Criminal Investigation

ADJUS 205
Terrorism and Homeland Security

or

Art Digital Media

ARTDM 105
Introduction to Digital Imaging

ARTDM 117
Digital Illustration

or

Biology and Environmental Science

BIOSC 126
Ecology and Field Biology

BIOSC 170
Environmental Science

GEOG 140
Introduction to Weather

or

Business and Entrepreneurship

ARCHI 120
Introduction to Architecture and Environmental Design

CONST 124
Construction Details and Specifications

CONST 170
Fundamentals of Building Inspection

CONST 298
Independent Study

RE 162
Real Estate Appraisal I

RE 201
Advanced Real Estate Studies

or

Horticulture

HORT 110
Introduction to Horticulture and Plant Science

HORT 179
Arboriculture

HORT 180
Introduction to Landscape Architecture

HORT 185
Site Analysis

HORT 298
Independent Study

REQUIRED

GEOG-164
Fundamentals of Drone Operations and Licensing

GEOG-165
Drone Remote Sensing

Entry

Careers in

- The drone technology certificate of achievement program is designed to prepare students to take the Federal Aviation Administration Part 107 commercial drone pilot exam and for entry into careers that employ generalized or specialized applications of drones.

Required
Elective

total minimum required units 12