

**SOUTH DAKOTA BOARD OF REGENTS  
ACADEMIC AFFAIRS FORMS**

**Substantive Program Modification Form**

<b>UNIVERSITY:</b>	<b>SDSU</b>
<b>CURRENT PROGRAM DEGREE:</b>	<b>Certificate</b>
<b>CURRENT PROGRAM MAJOR/MINOR:</b>	<b>Unmanned Aircraft Systems [SCERTU.UAS]</b>
<b>CURRENT SPECIALIZATION</b>	<b>N/A</b>
<b>CIP CODE:</b>	<b>36.0207</b>
<b>UNIVERSITY DEPARTMENT:</b>	<b>Geography &amp; Geospatial Sciences</b>
<b>BANNER DEPARTMENT CODE:</b>	<b>SGGS</b>
<b>UNIVERSITY COLLEGE:</b>	<b>College of Natural Sciences</b>
<b>BANNER COLLEGE CODE:</b>	<b>3T</b>

**University Approval**

*To the Board of Regents and the Executive Director: I certify that I have read this proposal, that I believe it to be accurate, and that it has been evaluated and approved as provided by university policy.*

Dennis D. Hedge

\_\_\_\_\_  
Vice President of Academic Affairs or  
President of the University

1/15/2022

\_\_\_\_\_  
Date

**1. This modification addresses a change in:**

- Total credits required within the discipline     Total credits of supportive course work

*Proposed Program CIP Code:* 49.0109, Title: Remote Aircraft Pilot.

Definition: A program that prepares individuals to apply technical knowledge and skills to fly unmanned aircraft system (UAS) for commercial, professional, or personal use, and qualifies individuals to sit for the FAA Remote Pilot Certificate with small unmanned aircraft systems (sUAS) rating knowledge examination. Includes instruction in principles of unmanned aircraft system design and performance; aircraft flight systems and controls; airway safety and traffic regulations; and governmental rules and regulations pertaining to piloting unmanned aircraft.

## **7. Explanation of the Change:**

The certificate in Unmanned Aircraft Systems (UAS) will provide a credential to students and/or individuals who have demonstrated competency in the planning and operation of UAS. The certificate will provide the knowledge and skills necessary to apply this technology to a field of study or field of work. This certificate will also provide the knowledge necessary to attain the FAA Part 107 small Unmanned Aircraft Systems license. UAS is a technology with many applications, some of which include remote sensing, geographic information systems (GIS), precision agriculture, construction, resource management, engineering, cinematography, and emergency services. This change is requested to update the CIP code to accurately reflect the nature of the program.