



Sinte Gleska University

SICANGU LAKOTA OYATE

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ACCREDITED BY
THE HIGHER LEARNING COMMISSION - 1983

RECOGNIZED AS A1994
TRIBAL LAND GRANT INSTITUTION

ESTABLISHED DECEMBER 1970

POSITION DESCRIPTION

Position : Faculty-Advanced Manufacturing	Department : Institute of Technologies
Supervisor : Department Chair - IOT	Contract : 12 months - Salaried

Job Summary:

The Instructor will teach in an accelerated, short-term training program designed in conjunction with the university's NASA project. Advanced Manufacturing is a component of the Building Trades Program. Students in this program will design and manufacture a 3D-printed cement structure. The responsibilities include on-going curriculum development, delivering instruction, and advising students. Program topics will include general instruction on additive manufacturing processes, additive manufacturing safety best practices, application, and hands-on training.

Duties & Responsibilities:

- Instruct a minimum of 3 classes leading to a stackable certificate in Additive Manufacturing.
- Manage lab: organize, maintain, and keep labs updated and secure; ensure safety of students and other faculty/student assistants.
- Assist students in accessing university and community resources that aid retention.
- Participate in university committees and department meetings.
- Collaborate with NASA Project managers, curriculum developers, and other college & university partners to ensure a confident and competent student experience leading to certificates/degrees and workforce placement in local and regional 3D printing of cement structures

Minimum Qualifications & Experience:

- A degree in engineering, robotics, construction technology or a related field with experience in additive manufacturing is preferred; however, the degree may be substituted with experience.
- Applicants should have experience working in the manufacturing and technology field as well as possess skills in any of the following disciplines: mechatronics, robotics, automation controls, PLCs, manufacturing processes, welding, machining, computer aided design, computer aided manufacturing, instrumentation, fluid power, mechanical systems, industrial electricity, quality control, and additive manufacturing.
- Experience with project start-up and grant-funded programs is desirable.

Working Conditions:

Within the classroom environment, this position may require long periods of time sitting at a desk and using a computer. Also requires lab time that may involve long periods standing, moving to various lab stations, handling equipment and working with students to gain experience with a large robotic arm used in the 3D printing process. May require lifting of 50 lbs. or more or the use of devices to aid in lifting.

Confidentiality:

The SGU employees agrees to maintain strict confidentiality regarding FERPA, HIPAA, and the contents of all Sinte Gleska University correspondence, student records, personnel files and fiscal data.

Additional Information:

Sinte Gleska University does not discriminate on the basis of race, color, national origin, sex, religious preference, age, handicap, marital status, political preference, or membership or non-membership in an employee organization, except as allowed by the Indian preference provision of the Civil Rights Act of 1964, as amended.

The SGU employee is responsible for ensuring that his/her personnel file is current with regard to official evidence of educational qualifications and experiences. Failure to do so prior to start of the contract year may result in not receiving compensation commensurate with claimed advancement in promotional steps.

To apply submit a completed SGU job application with a copy of your HS Diploma or equivalent, Resume, Transcripts, Verification of College Degree(s), Certificates, Driver License, Tribal ID or abstract. Submit completed application with attachments to the HR Department. For further information contact Vijayakumar Chebrolu, Human Resource Director @ SGU Administration Building or call 605-856-8261/email vijayakumar.chebrolu@sintegleska.edu.

Applications are available on the SGU website under job opportunities. The position is open until filled. Incomplete applications will not be considered.

Updated: January 11, 2024