Objectives of Assignment:
To support key HSI-STEM (the *BIEN in STEM* Project funded by the U.S. Department of Education's Hispanic-Serving Institutions STEM program) grant goals relevant to the position, particularly those related to the development of the proposed *Mathematical & Computational Sciences (MCS) career track*. Following is an excerpt of relevant grant goals and objectives:

- **Develop a model STEM Learning & Professional Pathway (LPP) with emphasis on closing academic and career opportunity gaps for Hispanic students**
- **Apply a *career-first* approach to organizing GCC's STEM Learning & Professional Pathway (LPP), providing Hispanic students with a springboard to in-demand careers in STEM**
    - engage faculty and teams of students where disciplines converge using tools of data analytics to tackle real-world problems, particularly those with social justice implications
    - integrate work-based learning opportunities with more traditional academic learning experiences and support services
- **Develop and enrich strategic institutional and industry partnerships through a new *Alliance for Equity in STEM Careers* focused on sustaining and scaling accessibility of academic and career pathways in STEM**
    - increase the number of students engaged in work-based learning opportunities, while ensuring equitable access for Hispanic and other underserved students

Description of Assignment:
The person that assumes the position will work under the HSI-STEM (Title III, Part F, from U.S. Department of Education) grant, BIEN in STEM, in collaboration with the Project Director and other grant staff for the period of the grant (2021-2026) to achieve the objectives stated above.

Supervision Exercised and Received:
Supervising provided by the relevant instructional dean and the Project Director.

Tasks and/or Activities Required:
- Collaborate with GCC and transfer institution faculty to support the development and articulation of data science curriculum, including working toward stackable certificates that allow multiple on-ramps for students to STEM careers
- Explore and develop new data science curriculum and/or enhancements to existing mathematics curriculum
- Participation in regional and statewide development efforts centered around data science education (e.g., CA Alliance for Data Science Education, West Big Data Innovation Hub, the UC Berkeley Data8 community, GCC Workforce Development Data Science Pathway regional collaboration)
- Collaborate with industry and transfer partners to support the alignment between the emerging MCS program and workforce needs/opportunities

- Increase the number of students engaged in work-based learning opportunities in data science and related MCS areas
- Coordinate with faculty across disciplines to infuse existing curricula with contextualized learning modules that emphasize data analysis and computational skills
- Work with REAL Team Faculty Development Lead and other STEM faculty to develop data science component to work-based learning experiences
- Support the creation, including through faculty development activities, of in-house, hands-on/work-based learning opportunities by engaging students in data - oriented projects
- Facilitate the presentation of GCC student projects at the annual meeting of the Alliance for Equity in STEM Careers designed to foster academic-industry collaboration, build a groundswell of support for future GCC students aspiring to STEM careers
- Participate in and support the "Research-Enhanced Applied Learning" (REAL) professional development program
- Perform other related duties as may be assigned

Preferred Qualifications:
- Currently holding a fulltime or adjunct faculty position in the Mathematics Division at GCC
- Experience and knowledge in programming in languages relevant to data science
- Experience with curriculum development and articulation, particularly related to Statistics curriculum
- Demonstrated ability to maintain positive and effective working relationships with groups on campus across disciplines and assignments
- Demonstrated sensitivity and understanding of diverse backgrounds of community college faculty, staff, and students, including but not limited to academic, socioeconomic, ethnic, and gender, with particular emphasis on HSI issues
- Experience working effectively in a team setting and effectively communicating with faculty, administrators, peers, and students
- Excellent oral and written communication skills

Stipend and/or Released Time:
40% Released Time, plus possible Winter and Summer hourly pay, as approved by Project Director and supervising administrator.

Term of Assignment:
Through Spring 2026, subject to annual review and availability of funds

Application Procedure:
1. Interested faculty members should submit a letter of interest which clearly describes how the candidate is qualified to fulfill the duties of the position as listed on this announcement. The letter of interest must be received by Leticia Estrada (lestrada@glendale.edu) by 4:30 p.m. on the closing date for consideration for this position.
2. A selection committee will interview the candidates for the position and make a final recommendation to Vice President, Instructional Services.

All activities related to this position in no way supplant contractual responsibilities such as office hours, committee assignments and curriculum revision and development. This position is subject to availability of continued funding.

Released Time/Extra Pay Assignment
Application

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APPLICATION FORM

HSI-STEM Project Data Science Math Lead
40% Assignment

Closing Date: May 19, 2022

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Attach Additional Sheets, If Necessary

Name:

Current Position at GCC:	GCC Telephone Extension:

Relevant Experience and Education:

Other:

References:

_____   _____
Employee Signature   Date

All activities related to this position in no way supplant contractual responsibilities
such as office hours, committee assignments and curriculum revision and development.
This position is subject to availability of continued funding.