



Mathematics Engineering Science Achievement Instruction

Vision/Narrative

The grant that funds Gavilan College's MESA Program was recently renewed for another three years. MESA has been the oldest and longest running STEM grant at Gavilan College and will be continuing into its 19th year at Gavilan College. The program provides science, technology, engineering, and math (STEM) academic development to educationally disadvantaged community college students so they will excel academically and transfer to a four-year university. For example.

A. MESA serves an average of 29% of all the Low-income STEM Majors on campus.

B. MESA serves an average of 35% of all the Female STEM Majors on campus

Several highlighted programming areas include the following,

- New and continuing business/industry relationships such as Western Digital, NASA, Lockheed Space Industries, Cisco Systems, and more
- Continued milestone events to honor students progress and family engagement workshops
- New semester-long book loans for expensive STEM Books including physics, calculus, chemistry, and biology
- Partnership with a local community organization to develop a new after-school STEM Program
- Continued partnership with Gavilan College's STEM Grant resulting in key outcomes such as providing a full-time MESA/STEM Counselor

Feedback from Supervisor / Dean



Program Objective 1: Apply for an NSF S-STEM Grant

Strategy and Goal(s):

Strategy #2: Increase student completion and meet institutional goals, improve student services and enhance curriculum and programs.

Goal #1: Increase student, institutional and programmatic outcomes as defined by Institutional Effectiveness, Equity, and other college benchmarks.

IEC Program Review:

No: It is in line with MESA's objectives to transfer and graduate STEM Students .

Progress:

Yes: We have secured the grant writer and are awaiting for official release of the grant.

Activity 1: Secure a grant writer

Personnel Request - *none*

Non-Personnel Request - *none*

Activity 2: Aquire appropriate data for the grant writer

Personnel Request - *none*

Non-Personnel Request - *none*

Activity 3: Submit Grant forms and take through shared governance process

Personnel Request - *none*

Non-Personnel Request - *none*

Rankings:

Ranker	Comments	Rank
Dean		
Vice-President		
Budget Committee		
President's Council		



Program Objective 2: Develop existing and new strategies to collaborative with the STEM III Grant to promote STEM major course success and transfer rates.

Strategy and Goal(s):

Not Applicable: RESUBMITTED: Copied from Academic Year 2017-18

IEC Program Review:

No: New STEM Grant and long time MESA program

Progress:

Yes: The MESA/ STEM Counselor became a voting member on the equity committee, participates in guided pathways activities and will provide online counseling services beginning in the fall.

Activity 1: Enhance the role of the new full time MESA/ STEM Counselor in college wide STEM efforts

Personnel Request - *none*

Non-Personnel Request - *none*

Activity 2: Collaborate on the development of guided STEM pathways to include meeting the objectives of the MESA and the STEM Grants.

Personnel Request - *none*

Non-Personnel Request - *none*

Activity 3: Develop and implement collaborative STEM Activities

Personnel Request - *none*

Non-Personnel Request - *none*

Rankings:

Ranker	Comments	Rank
Dean		
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Program Objective 3: Increase the MESA course success rate by 1.5%

Strategy and Goal(s):

Not Applicable: RESUBMITTED: Copied from Academic Year 2017-18

IEC Program Review:

No: Objective is based on the MESA Grant and meeting Transfer goals in the long-term

Progress:

Yes: Tutorial support services

Activity 1: Provide tutoring services that are dedicated only to MESA Students given funding restrictions

Personnel Request - *none*

Non-Personnel Request - *none*

Activity 2: Continue to provide a dedicated MESA Study center as required by the MESA Grant and a safe space for underrepresented students as highlighted by research presented at the University of Utah and University of San Francisco

Personnel Request - *none*

Non-Personnel Request - *none*

Activity 3: Provide socially and cultural relevant intervention services that include asset based approaches

Personnel Request - *none*

Non-Personnel Request - *none*

Activity 4: Ensure that tutoring services also include non-STEM courses that are essential for transfer such as writing tutors

Personnel Request - *none*

Non-Personnel Request - *none*

Rankings:

Ranker	Comments	Rank
Dean		
Vice-President		



Mathematics Engineering Science Achievement

Academic Year 2018-19

Budget Committee		
President's Council		