



# **PROGRAM COMPREHENSIVE REPORT**

**2022 - 2023**

Program Review (S) - MESA

# Program Planning

2022 - 2023

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## General Information

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### **Please enter your program's purpose statement.**

The MESA Community College Programs help underserved and underrepresented students majoring in calculus-based STEM (Science, Technology, Engineering and Mathematics) fields who seek to transfer to a four-year institution.

### **Briefly describe your program and the services that it offers to students.**

The program serves to enrich the experience of students by providing a variety of services to equip MESA students with the skills and attitudes necessary for their successful transfer to a university. The services offered to students are to provide a dedicated, multipurpose study space, tutoring, STEM counselor services, books and equipment, computers, student lockers, study sessions, and leadership, and other professional development opportunities for students.

### **How does your program support VC's mission?**

Our program supports our VC's mission by "places students at the center of their learning experience, supporting them in achieving their personal, academic, and career goals in an anti-racist, liberating, and inclusive environment" through our services and programming offered.

### **SWOT Analysis: What are the strengths of your program?**

Positive relationship with internal and external community

Proactive partnerships with other university, community college MESA programs, K-12, community agencies and corporations

Leadership, Faculty, and Staff support

Learning communities developed to enhance learning experience at VC and in there major

Proactive student support to expand leaderships skill, real-life work experience through networking and speakers

Positive reputation among students that support the ongoing increase in student participation

### **SWOT Analysis: What are the weaknesses of your program?**

Ability to hire staff support

Lack of annual tutor training

Limited collaboration from science faculty

Software to support tracking of members

Space needing upgrades (AC and flooring) to make it a more comfortable study space

### **SWOT Analysis: What are some opportunities for your program?**

Partnerships with campus program to support incoming and returning adults in STEM

Expand study space to allow more students to be part of the learning community

New funding to allow for upgrades in technology and furniture

Expansion of industry partners, allows us to visit industry and connect student with future employers

Articulation options/partnering with universities

### **SWOT Analysis: What are some threats to your program?**

State budget (if recession happens)

Enrollment levels

# Program Planning

## Service Usage

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**How many total student contacts occurred in your program in the previous year?**

3,422

**Describe the trend in usage over the past two years?**

The usage trend increase by a lot as we were in-person, compared to 20-21 being that we were in the pandemic and it limited how much usage we had in the space. 2019-20 was pre-COVID and before we saw student enrollment decline.

**Are there any student gender groups more than 5 points lower than the overall VC student population?**

Yes

**If yes, please describe.**

The number of Females is lower compared to VC Overall, this gap can be that we have more females majoring in a non-calculus based major or other reasons that we have not identified

**Are there any student ethnic groups more than 5 points lower than the overall VC student population?**

Yes

**If yes, please describe.**

Based on the student ethnicity groups my program serves a larger number of Asian and Hispanic compared to the VC Overall students. Among the white student population, the number of students being served is lower than the VC Overall due to our program state requirement of being first generation and demonstrating financial need. When student apply they are asked if they are first generation and receiving financial aid if they don't have both requirements we are unable to provide services due to funding requirements.

**Briefly describe what your program has done to close equity gaps in students accessing your program?**

Our program has done the following things to close equity gaps in student accessing our program by: Partner with other campus programs, collaborating with faculty members to do in-reach, connect with k-12 programs to make early student connection as they transition from high school to community college and beyond. We flexible with our members when meeting program requirements due to family and work commitment. Assess student needs and request through semester surveys, prioritize student sense of belonging through our MESA Picnic Convocation, and offering MESA Open House for all student who declared a STEM major and undecided to learn about our services and if student are not able to meet our program requirement we refer them to other campus programs, STEM student chapters and Project SAIL.

## Six Factors Survey

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### General Observations

The number of surveys completed went up from 2021 to 2022.

**Which of the six factors did your program score the highest on?**

Engaged

**Why do you think your program scored the highest on this factor?**

Based on the 2022 Six Factors all areas scored the same 4.8

**Which of the six factors did your program score the lowest on?**

Direct

**Why do you think your program scored the lowest on this factor?**

Looking at the lowest scored from the last 3 years and directed was the lowest score in 2021 of 4.3, I think this has to due with us being online and adjusting our services as needed.

## SUOs

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**Briefly describe the results of your SUO assessments.**

Our numbers increase in the personal statement in the 2nd assessment compared to the first one

## Program Planning

Which SUO initiative(s) had the greatest impact on improving outcomes for your program?

The Personal Statement

Course Success Rate - COUN, EAC & EOPS only

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## Objective

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### 3-Year Objective

Increase the number of total contacts by 15%

#### What specific actions will you take to meet this objective?

One of MESA's most valuable resources for increasing student engagement and success in STEM is high quality tutoring and group study sessions. By having reliable technology will support the success of our students and our contact of MESA students.

#### Which of the following Educational Master Plan Goals does this objective align with?

Goal 2: Increase our community's access to transfer, workforce preparation, and basic skills education, Goal 5: Effectively manage campus resources to meet student and community needs, Goal 1: Increase the success of our students while closing equity gaps

#### Which of the following Student Equity Plan Goals does this objective align with?

Goal 2: First-Term to Second-Term Persistence, Goal 4: Transfer, Goal 5: Degree/Certificate Completion, Goal 1: Access and Successful Enrollment, Goal 3: Completion of Transfer-Level English and Math

#### Review Type

Comprehensive

#### Program Review Cycle

2022 - 2025

#### Objective Status

Active

#### Completion Date

06/30/2025

#### Resource Requests

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##### Resource Request Status

Active

##### Request Year

2022-2023

##### Resource Request Title (First 3 letters of Program Name+2-digit Year + 2-digit Request Number)

MESA1902

##### Description of Resource Request

Requesting to upgrade our MESA surface pros (5) and adding 3 more, making our request a total of 8 new computers per the recommendation of IT to move forward with Precision Super/Engineering Laptops.

##### Estimated Cost

\$28000

##### Type

Technology

##### New/Replacement

New

##### Previously Requested in Year(s)

2020-2021, 2019-2020

##### Priority

02

##### Primary Contact For This Resource Request

April Montes

**Administrator, Faculty, or Staff Request**

**Equipment, Technology, or Facilities Request**

**Pirate's Code**

bergamot

**Please explain how critical this request is to your program's goals.**

Our program has many ways we served our student population. One major area is offering student the opportunity to check out laptops while they are in our MESA center. STEM students are required to do high-tech projects and Chromebook don't support all the memory STEM software requires. Our program currently has surface pros that have been crashing for the past couple of years and IT has done an amazing job in supporting our needs, but it's time to replace and add a few extra as student financial situations often times does not allow them to purchase high-tech computers. This will provide access to technology to underserved students.

**How many students will be impacted by this request?**

Our program serves on an annual basis a total of 160 students

**What, if any, ongoing maintenance and licensing costs will your request require?**

Unsure at the time, I will need to check with IT ( maybe the cost includes that cost)

**Have you identified funding sources to cover ongoing costs?**

n/a

**How will this resource improve the current learning environment, campus services, or operating conditions on campus?**

This request will allow our student to have access to reliable laptops for homework, projects, MATLAb. It will allow students to complete there UC/CSU applications, printing, and internship applications.

**Objective**

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**3-Year Objective**

Increase student professional opportunities and industry partner relationships by 10%

**What specific actions will you take to meet this objective?**

We will implement a industry advisory board to identify and coordinate professional development to students with local industries

**Which of the following Educational Master Plan Goals does this objective align with?**

Goal 1: Increase the success of our students while closing equity gaps, Goal 3: Strengthen local/regional partnerships and community engagement, Goal 4: Enhance institutional effectiveness and accountability to improve innovation and student outcomes

**Which of the following Student Equity Plan Goals does this objective align with?**

Goal 1: Access and Successful Enrollment, Goal 4: Transfer

**Review Type**

Comprehensive

**Program Review Cycle**

2022 - 2025

**Objective Status**

Active

**Completion Date**

06/30/2025

**Resource Requests**

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**Resource Request Status**

Active

**Request Year**

2022-2023

**Resource Request Title (First 3 letters of Program Name+2-digit Year + 2-digit Request Number)**

MESA1901

**Description of Resource Request**

Hire of a FT Student Support Specialist

**Estimated Cost**

50,000

**Type**

Staff

**New/Replacement**

New

**Previously Requested in Year(s)**

2019-2020

**Priority**

01

**Administrator, Faculty, or Staff Request****Please provide a detailed justification as to why this position is needed.**

As our program continues to grow and serving more students, the program is unable to operate successfully with 1 full-time staff to plan, coordinate, expand industry partners and offer great program activities for all students. Having an additional full time staff will support the program with retention efforts and allow more students to attend out the area professional development conference when needed. Cultivating our industry partnerships is key and we are always looking ways to expand so having the extra staff support to do help coordinate events that we have not been able to do due to limited staff will be a great asset to the needs of our program.

**Equipment, Technology, or Facilities Request****Objective****3-Year Objective**

Improve Student Learning Space

**What specific actions will you take to meet this objective?**

Implementing Weekend study Jams for students who work and are unable to study and get tutoring during the regular week.

**Which of the following Educational Master Plan Goals does this objective align with?**

Goal 1: Increase the success of our students while closing equity gaps

**Which of the following Student Equity Plan Goals does this objective align with?**

Goal 1: Access and Successful Enrollment, Goal 2: First-Term to Second-Term Persistence

**Review Type**

Comprehensive

**Program Review Cycle**

2022 - 2025

**Objective Status**

Active

**Completion Date**

06/30/2025

## Resource Requests

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### Resource Request Status

Active

### Request Year

2022-2023

### Resource Request Title (First 3 letters of Program Name+2-digit Year + 2-digit Request Number)

MESA1904

### Description of Resource Request

New flooring and paint

### Estimated Cost

\$7-10K

### Type

Facilities

### New/Replacement

New

### Previously Requested in Year(s)

2019-2020

### Priority

03

### Administrator, Faculty, or Staff Request

### Equipment, Technology, or Facilities Request

### Pirate's Code

CALENDULA

### **Please explain how critical this request is to your program's goals.**

The MESA center a home away from home for many of them, having a nice and clean space provides them a space where they can think and be more productive. Our carpets are extremely old, we have whole that we cover with a carpet mat and many of our student have allergies and the dust that our carpet collects does not help our student allergies. Although we get our carpets cleaned, they are really old that it doesn't make a big difference.

### **How many students will be impacted by this request?**

We serve 160 students

### **What, if any, ongoing maintenance and licensing costs will your request require?**

n/a

### **Have you identified funding sources to cover ongoing costs?**

n/a

### **How will this resource improve the current learning environment, campus services, or operating conditions on campus?**

This resource will improve the learning environment by having a cleaner space by removing carpet and replacing it with flooring that does not collect as much dust.

## Objective

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### 3-Year Objective

Support our STEM Tutor Training

### **What specific actions will you take to meet this objective?**

Implement a quarterly Tutor training that focus on different tutor practices with support of campus faculty.

**Which of the following Educational Master Plan Goals does this objective align with?**

Goal 1: Increase the success of our students while closing equity gaps, Goal 4: Enhance institutional effectiveness and accountability to improve innovation and student outcomes

**Which of the following Student Equity Plan Goals does this objective align with?**

Goal 2: First-Term to Second-Term Persistence, Goal 1: Access and Successful Enrollment

**Review Type**

Comprehensive

**Program Review Cycle**

2022 - 2025

**Objective Status**

Active

**Completion Date**

06/30/2025

**Resource Requests**

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**Resource Request Status**

Active

**Request Year**

2022-2023

**Resource Request Title (First 3 letters of Program Name+2-digit Year + 2-digit Request Number)**

MESA1905

**Description of Resource Request**

Request for training cost for tutors during the fall semester,

**Estimated Cost**

2,000

**Type**

Other (Not Prioritized)

**New/Replacement**

New

**Previously Requested in Year(s)**

2019-2020

**Priority**

04

**Administrator, Faculty, or Staff Request**

**Please provide a detailed justification as to why this position is needed.**

Funding for training will improve the quality of tutoring is being provide to our student and it will empower our tutors to do there job even better.

**Equipment, Technology, or Facilities Request**

**Please explain how critical this request is to your program's goals.**

Being able to provide our tutors the soft skills and tools to do there job is important to ensure our tutees are being served well.

**How many students will be impacted by this request?**

160

**What, if any, ongoing maintenance and licensing costs will your request require?**

n/a

**Have you identified funding sources to cover ongoing costs?**

n/a

**How will this resource improve the current learning environment, campus services, or operating conditions on campus?**

It will improve tutoring services

## Objective

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### 3-Year Objective

Expand Students Educational Opportunities by 5%

### What specific actions will you take to meet this objective?

Implement a University Tour Program for MESA student that will provide a look into there school of choice during Spring Break and Summer

### Which of the following Educational Master Plan Goals does this objective align with?

Goal 3: Strengthen local/regional partnerships and community engagement

### Which of the following Student Equity Plan Goals does this objective align with?

Goal 4: Transfer

### Review Type

Comprehensive

### Program Review Cycle

2022 - 2025

### Objective Status

Active

### Completion Date

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**Year 2: Discuss Any Challenges You Encountered in Progressing Towards This Objective.**