Hartnell College - Office of Institutional Advancement
Grant Concept Form

November 2020

1. New/Renewal Grant Project - What do you want to do?

Title: The Equity and Emerging Engineers (E3)

Website: https://www.nasa.gov/stem/murep/includes.html

Abstract: Fill in Abstract below:

MUREP INCLUDES seeks to demonstrably impact the participation of Underrepresented minorities in engineering
fields by 2026 by creating a STEM pipeline from middle school and high school to Hartnell College
by using and creating broad partnerships and stakeholders including workforce development, foster
leadership roles to strengthen and broaden participation of underrepresented minorities in
engineering activities or fields of study. K-12 STEM will assist by creating classes for after
school and summer, support summer bridging activities and classes at Hartnell College, internships
and jobs to support students, and create better equity and access.

2. Alignment with the College Strategic Plan and Feasibility

30
____ % **Goal 1 -** Increase Student Completion   [Link to Hartnell College Strategic Plan](#)

30
____ % **Goal 2 -** Increase Student Completion Efficiency

30
____ % **Goal 3 -** Increase Student Transfer to 4 Year Institute

10
____ % **Goal 4 -** Improve Student Employment Subsequent to Training or Completion

100
_____% **Total (should equal 100)**

Please provide a list of the Hartnell values that this grant fulfills: Hartnell College's Values

focus on education and workforce development needs of the community; student access, learning,
development, and success; excellence in teacher and student services that develop the
intellectual, personal, and social competence; diversity, equity, inclusion; develop strategies
relation to grow our knowledge and strengthen our impact; leadership and empowerment; innovation
through collaboration ;stewardship of resources.

Be prepared to provide data to support scoring below such as Labor Market Data.

* Scoring Criteria (1-5 WEAK to STRONG)

1) Staff expertise/experience in similar projects	4
2) Compelling need in college or community	5
3) Strong business/community/education partnerships	5
4) Aligns with new funding formula	4
5) Low demand on resources (space, equipment, etc.)	5
6) Capable of sustaining project after grant ends	5

Total: __28_____ **(Total should not exceed 30)**

List Accreditation Standards (i.e.; II.A.):   Link to Accreditation Standards

A1, A2, B1,B2

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3. If the project is for broad institutional capacity building, what are the plans for institution-wide development & implementation of proposed activities?

It will support and develop the capacity of the K-12 STEM program.

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4. Does the project align with or overlap with current activities or events? If yes, please provide information about activities and how current directors and program staff are involved in developing this new project/grant proposal.

K-12 current activities, Engineering pathways, Upward Bound.

The project aligns with our Upward Bound partners to support bridging activities and classes for high school students in the summer at Hartnell. It will also support the new Engineering Pathway developed with CSUMB beginning in 2022. This will also allow us to leverage our resources with the Central Coast Fab Lab in which we are partners with to allow more students access to classes and resources they offer. Hartnell STEM students, CSN3 students, and Maestro students are also offered jobs as Student Ambassadors to help support classes offered by K-12 STEM
 and students wanting to be teachers an opportunity to work in classrooms with students to help support the classroom teacher. It also will support Laurencia Walker with concurrent and dual enrollment opportunities for local schools.

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5. Grant Type	Due Date
x New	04/23/2021
Continuation	

Funding Source	Agency/Organization
Public: State x Federal	NASA
Private: Foundation Corporation Individual	

6. Fiscal Information - Fiscal Agent

x   College   Foundation   Indirect Cost Rate: 120,000   Grant Amount: 400,000

7. Does the proposed project require matching funds or in-kind contributions?

x   No   Yes   If yes, explain: N/A

8. Intellectual Property
Will the proposed project include the development of intellectual property?

x   No   Yes   If yes, explain: N/A

9. Grant Timeline

Grant Start Date: ____08/02/2021____   Grant Ending Date: ____08/02/2024____

10. Proposal Lead

- Proposal Lead:
- Title:
- College Department:
- Phone:
- Email:

Julie Stephens-Carrillo
Director K-12 STEM
STEM
8317556970
jstephenscarrillo@hartnell.edu

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11. Additional Partners
Will this project include other agencies?

No   x Yes   If yes, explain: We will continue our partnerships with Upward Bound, MCOE, CSUMB, Chevron, NASA AMES, TECH Museum, Central Coast Fab Lab, Fab Lab Foundation,MESA teachers, Computer History Museum.

12a. Human Resources - Staffing Positions to Support the Grant
What new/continuing positions will be created to meet the proposed project objectives?
Please list the proposed titles and one-sentence job description below; include cost detail and a source of funding.

N/A ;K-12 STEM Director position will be paid from this grant

12b. Will the proposed project require HCCD to eventually absorb the cost of staffing for the project?

No   x Yes   If yes, explain below and complete 16a and 16b:

In order to sustain K-12 Directors position 50% would need to be absorbed by the college, however the dept is looking at alternative funding arrangements to help cover the cost.

13a. Facilities, Furniture and Equipment Resources to Support the Grant
Will new/remodeled space be needed? (e.g. offices, lab and activity space, etc.)?
If so, please confer with Facilities to review the underutilized space map and describe plans below.

Will furniture and equipment be needed (e.g. workstations for staff, computers, phones, chairs, etc.)?
If so, include the estimated cost and source of the funding below.

N/A

13b. Will proposed facilities, furniture and equipment needs continue after grant?

x   No   Yes   If yes, explain below and complete 16a and 16b:

N/A

14a. Impact on Student Affairs and its resources?
What current resources will be used to implement this grant?
What new resources will be needed?

It will affect Upward bound when they support K-12 STEM with outreach of classes and activities
from K-12 STEM to their partner schools, and it will also affect bridging activities and classes
that can be offered.

14b. Impact on Institutional Resource and Information Technology resources?
What new institutional research will be needed? (e.g. evaluation, new data sets, new reports.)
What new informational technology will be needed? (e.g. new or additional software.)

We will need data for annual reports to NASA.

14c. Will proposed institutional research and IT needs continue after grant?

X No   Yes   If yes, explain below and complete 16a and 16b:

N/A

15. Budget Plan – over the term of the grant

	Grant	HCCD Match	Match Other
Personnel Instructional			
Personnel Non-Instructional	$840,000		
Operating			
Equipment			
Indirect	$360,000		
Total	$1,200,000		

Budget Notes:
Most of the grant will goes toward
salary and benefits.

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16a. If proposed activities will continue after grant funding ends, what are the plans for sustainability?
Indicate years and activities that will be included in Program Planning and Assessment (PPA) and Resource Requests.

K-12 STEM will be working with partners to secure annual contracts for services rendered from local schools and after school programs and agencies.

16b. Budget Plan – HCCD institutional commitment – after grant term ends

Fiscal Year:	24-25	25-26	26-27
Personnel Instructional			
Personnel Non-Instructional	$175,000	$175,000	$175,000
Operating			
Other			
Total	$175,000	$175,000	$175,000

Budget Notes:

In order to sustain K-12 Director position, at least 50% of the position would need to be absorbed by the college. However, the dept is looking at alternative funding arrangements to help cover the cost.

17. Academic Senate - New Programs, Curriculum and/or Faculty
Does the proposal include new programs, curriculum, or faculty?

x No   Yes   Proposed date to present to the Academic Senate: _____

List faculty members involved in development:
Mo Yahdi, Tito Polo, Melissa Hornstein, Laura Fatuzzo

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18. The proposed project supports the goals and objectives of Hartnell College *The following signatures are the responsibility of the Proposal Lead:*	

Support	Do Not Support		04/13/2021
X		_____	
		Proposal Lead	**Date**

Support	Do Not Support		
		_____	
		Dean	**Date**

Support	Do Not Support		
		_____	
		VP	**Date**

19. The proposed project supports the goals and objectives of Hartnell College
The following signatures are the responsibility of the Office of Institutional Advancement:

Support	Do Not Support		
		_____	
		Academic Senate	**Date**

Support	Do Not Support		
		_____	
		Vice President of Advancement and Development	**Date**

Support	Do Not Support		
		_____	
		Accounting Manager	**Date**

Support	Do Not Support		
		_____	
		Vice President of Administrative Services	**Date**

Support	Do Not Support		
		_____	
		Vice President of Information Technology	**Date**

Support	Do Not Support		
		_____	
		Vice President of Human Resources	**Date**

Support	Do Not Support		
		_____	
		Director/Vice President (as required)	**Date**

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| **20 . Approval** |
| The proposed project is approved and supports the goals and objectives of Hartnell College. |

Support   Do Not Support

_____

Superintendent/President   **Date**