



February 24, 2021

**TO:** THE DISTRICT BOARD OF TRUSTEES  
OF VALENCIA COLLEGE

**FROM:** SANFORD C. SHUGART  
President

**RE:** SUBMISSION OF GRANT PROPOSALS

**RECOMMENDED ACTION:**


The President recommends that the District Board of Trustees of Valencia College approve the Submission of Grant Proposals, as presented.


A handwritten signature in black ink, reading "Sanford C. Shugart". The signature is written in a cursive style and is positioned above a horizontal line.

President

RESOURCE DEVELOPMENT MONTHLY REPORT  
 FOR VALENCIA DISTRICT BOARD OF TRUSTEES  
 December 2020



 <b>Grants Submitted</b> <b>12/01/20 - 12/31/20</b>		<b>Total Submitted this month: \$1,011,725</b>
<b>Project Name: Successful Engagement: Active Learning in Mathematics (SEAL-M)</b>		
<p><b>Description:</b> This IUSE Engaged Student Learning Level 3 project will examine the influential factors related to widespread, faculty-led cultural change resulting in increased active learning instructional practices in mathematics courses across the college. Additionally, the impact of active learning on student success in mathematics and equity across key measures, such as retention and progression, as well as student’s sense of belonging will be explored. Pedagogical approaches will focus on face-to-face, online (synchronous and asynchronous), and mixed-mode instruction while also infusing equity-minded practices associated with active learning. The project, Successful Engagement: Active Learning in Mathematics (SEAL-M), will deepen community college mathematics faculty members understanding of active learning to emphasize knowledge construction leading to student success; support faculty using a peer-mentoring program to create an environment encouraging risk-taking, experimentation, improvisation, and resilience; and measure strategic variables of professional development design and individual differences among faculty members that correlate with implementation and adoption of active learning techniques.</p>		
<b>Funding Agency:</b> National Science Foundation	<b>Campus/Program:</b> College Wide	<b>Amount Requested:</b> \$1,011,725
<b>Funding Program:</b> Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR)	<b>Accountable Administrator:</b> Isis Artze Vega	<b>Match (Yes/No):</b> No
<b>Funding Category:</b> Federal	<b>Project Director:</b> Sidra Van de Car	<b>Date Submitted:</b> 12/1/2020

	<b>Grants Awarded</b> 12/01/20 - 12/31/20		<b>Total Awarded this month: \$104,000</b>
<b>Campus/Program</b>	<b>Agency/Opportunity Name</b>	<b>Project</b>	<b>Amount</b>
West Region	Carrier Global Corporation: Energy Management and Control Technology Support	Carrier Global Corporation: EMCT Support (FY 2021)	\$44,000
Continuing Education	City of Orlando Community Investment Program	City of Orlando Community Investment Program: Accelerated Skills Training and English Language Programs (FY 2021)	\$60,000

**December 2020  
Featured Sponsored Project:  
NSF VECTOR**

Funded by the National Science Foundation, the VECTOR (Valencia Engaging for Completion Through Opportunities in Research) program provides scholarships for full time students with demonstrated financial need, minimum GPA of 3.0, with a declared STEM Meta-Major. Scholar selection is also based on a personal interview, demonstrated evidence of prior STEM interest or experience, and letters of recommendation. Selected students receive support from discipline-specific faculty mentors and the VECTOR team, along with immersive research experiences leading to an Undergraduate Research Graduation Distinction, networking opportunities, and preparation for transfer to a four-year institution.



**Significant Accomplishments**  
Curriculum development efforts have resulted in facilitation of a professional development course titled “Using Growth Mindset to Support Underrepresented Students in STEM”.  
Launch of the VECTOR Scholarship Program has also resulted in the development of an embedded research course in “Introduction to Research Course in STEM” as well as a similar theme for New Student Experience curriculum.

***“Being a part of the Vector Scholarship program is one of the greatest things that has happened to me in my academic life.”***  
~VECTOR Scholar

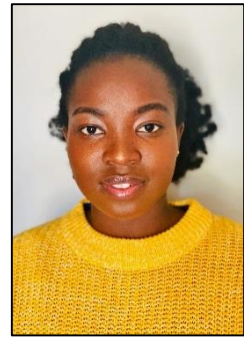
**Program Partner:**  
University of Central Florida



VECTOR cohort meetings allow scholars to engage in research experiences by brainstorming proposal ideas for the National Science Foundation Community College Innovation Challenge.

INDV 3225: Using Growth Mindset to Support Underrepresented Students in STEM (Fall 2019) PD Course	# Served
Conference Course	40
Extended Hybrid Course	8

**~ Focus Stories ~**



Jemima emigrated from Ghana and has completed an A.A. at Valencia College. She plans to pursue a Civil Engineering degree at the UCF. Jemima has been very proactive in her work as the secretary of the National Society of Black Engineers (NSBE) and other organizations. She has already networked with local engineering firms for internship opportunities.



After completing training in automotive repair, Jordyn is pursuing a degree in Wildlife Ecology and plans to transfer to UF in Fall 2021. She is currently the secretary of Valencia Environmental Science Association (VESA) and plans to complete a research project on composting.

<b>Total Students Served</b>	<b>27</b>
Transferring Fall 2020	5
Continuing – Year 2 Cohort 1	1
New – Cohort 2	18