



December 2, 2021

TO: THE DISTRICT BOARD OF TRUSTEES OF VALENCIA COLLEGE

FROM: DR. KATHLEEN PLINSKE
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 that reads "Kathleen Plinske". The signature is written in a cursive style.

President

RESOURCE DEVELOPMENT MONTHLY REPORT
 FOR VALENCIA DISTRICT BOARD OF TRUSTEES
 October 2021



	Grants Submitted 10/01/21 - 10/31/21	Total Submitted this month: \$124,000
Project Name: FL Dept. of Education Open Door Grant Program (FY 2022)		
<p>Description: Valencia is applying for “Last Dollar” grants through the FL Dept of Education Open Door program. Last Dollar funding will cover the difference between actual AST program costs and funding provided by federal or state sources (such as WIOA, veteran’s benefits, or other). Since programs must link to the Master Credentials List, Valencia has selected Computer Number Control, Clinical Medical Assistant, Mechatronics/ Industrial Maintenance Technician, Distribution Operations Technician, and Welding II for this program. Funds may only be used for tuition, fees, exam/certification costs, and books. An estimated 44 students will be served with this funding.</p>		
Funding Agency: Florida Department of Education	Campus/Program: Continuing Education	Amount Requested: \$124,000
Funding Program: Open Door Grant Program	Accountable Administrator: Joe Battista	Match (Yes/No): No
Funding Category: State	Project Director: Joe Battista	Date Submitted: 10/15/2021



Grants Awarded
10/01/21 - 10/31/21

Total Awarded this month: \$45,000

Campus/Program	Agency/Opportunity Name	Project	Amount
Valencia Foundation	Wells Fargo Foundation Community Grants	Wells Fargo Foundation Local Community Grants: Horizon Scholars Program Support (FY 2022)	\$15,000
College Wide	Wells Fargo Foundation Racial Equity Listening Sessions	Wells Fargo Foundation Racial Equity Listening Session (FY 2022)	\$20,000
Valencia Foundation	Gene Haas Foundation Scholarship Funding for Postsecondary Programs	Gene Haas Foundation: AST CNC Scholarships (FY 2022)	\$10,000

October 2021

Featured Sponsored Project:
NSF IUSE : Engagement in
Engineering Pathways

In 2017, The National Science Foundation awarded Valencia College a multi-year IUSE (Improving Undergraduate STEM Education) research grant to explore the following research question:

Does participation in peer-led team-learning (PLTL) activities support underrepresented and female students' performance in introductory engineering courses and retention in engineering pathways?

Target Audience: Underrepresented Students in STEM. The majority of individuals in the four courses identified as Hispanic, a group significantly underrepresented in engineering. Female student participants represented 21%

Observed Characteristics of Target Audience prior to project:

- Low retention/Low grades/Low participation
- Low confidence in mathematical and problem-solving abilities

Outcomes:

Number of student participants	518
Students who participated in the PLTL activities remained as committed or felt more committed to the engineering pathway.	97%
Students who felt that their analytical and critical thinking skills had improved by a great or moderate extent by participating in the PLTL activities	86%
Students who felt that the PLTL activities helped improve their understanding of the course material covered in the traditional course.	79%
Growth in the number of students who were comfortable applying mathematical and physical concepts to real-world problems, as shown in the post-survey responses by PLTL students	8%

What is peer-led team-learning (PLTL)?

Peer Leaders are successful former students who complete training in active learning and academic leadership, along with faculty members. PLTL activities are designed/created in collaboration with faculty teaching the course and are implemented in collaboration with faculty teaching introductory engineering courses.

Data collection methods:

- Pre-Post Survey Responses
- Institutional Data collected on Pass/Fail Rates and Choice of Major
- Qualitative Data collected through Classroom Observations and Focus Group Activities



Project Leaders:

- Mohua Kar, Ph.D., Department of Engineering, Valencia College
- Lisa Macon, Ph.D., Department of Computer Science, Valencia College
- Kimberly Luthi, Ph.D., Department of Graduate Studies, Embry-Riddle Aeronautical University