

Proposed 2019-2020 Strong Workforce Projects

Listed in order of priority based on scoring from the CTEAC Committee



The SWP allocation from the state will be announced July 2019, however, approved projects must be entered into the online portal by **June 1, 2019**. Based on last year's allocation, the estimated amount available is **\$641,000**. All funded SWP projects have a 30-month (2.5 year) term.

1. Enhancing Employability with Mechanical Engineering Technology

Cost: \$78,441

According to labor market data and feedback from regional employers there is a need for workers trained in mechanical engineering technology at the 2-year level. Mt. SAC has the largest engineering transfer program in the state of California (CSU/UC Clearinghouse data), and is well positioned to train students for these opportunities. This project would develop a Mechanical Engineering Technology program offering an Accrediting Board of Engineering and Technology (ABET) recognized mechanical engineering technology associate degree, a Fundamentals of Engineering Technology certificate, a Mechanical Engineering Technology Level 1 Certificate, and a Mechanical Engineering Technology Level 2 certificate. **Costs include program development by faculty utilizing reassigned time, ABET certification expenses, faculty professional development, supplies, equipment, program marketing funds, and one mechanical engineering student tutor.**

2. Enhancing Employability with Engineering Technology

Cost: \$134,934

According to the U.S. Department of Labor Bureau of Labor Statistics, employment of engineering technicians for civil, chemical, computer software and electrical is projected to grow by 9%, 8%, 24% and 7% respectively from 2016 to 2026. In addition, the aging workforce is retiring and not being replaced in the region with more than two jobs for every graduate based on coecc.net data. This project would create nine engineering technology certificates and four Accrediting Board of Engineering and Technology (ABET) recognized associate degrees in the fields of Civil Engineering Technology, Electrical and Computer Engineering Technology, Chemical and Materials Engineering Technology and Software Engineering. **Costs include development of four programs by faculty utilizing reassigned time, ABET certification expenses, faculty professional development, supplies, equipment, program marketing funds, and one student tutor.**

3. Health Careers II

Cost: \$78,000

The School of Continuing Education Short-Term Vocational department continues to expand the Health Career pathway. The four programs in this grant, Surgical Technician, Pharmacy Technician, In-Home Support Services/Personal Care Aide, and Home Health Aide, will fill the gaps in healthcare training identified by the Regional Adult Education Consortium and are all in high demand occupations. These training programs will be designed to provide the unemployed, underemployed, and low-skilled individuals with employment skills in a short period of time for

immediate entry into the health careers workforce and career ladder. **Costs include equipment, professional experts for clinical lab support, and faculty professional development.**

4. Child Development Apprenticeship

Cost: \$134,958

From 2016-2019 the Child Development Center used Strong Workforce funding to develop and operate a very successful CTE Child Development Internship program. This success lead the CDC to develop and submit an application for an Early Childhood Education Teacher Apprenticeship with the California Division of Apprenticeship Standards (DAS). The application is in the final stages of approval and once granted, it will be first DAS apprenticeship to be offered at Mt. SAC. Additional SWP funds will improve and deepen the expert weekly one-on-one student coaching and support from a CDC Specialist/Teacher, provide students with more specified training such as Pediatric CPR/1st Aid, and provide student professional development and job interview skills essential for attaining employment at higher wage employer such as school districts. **Costs include a faculty program coordinator paid at the applicable non-instructional hourly rate, two professional experts necessary to meet State licensing adult-child ratio requirements, supplies, equipment, textbooks, instructional materials, Pediatric CPR/1st Aid training, and specialized apprenticeship coaching skills workshops.**

5. School of Continuing Education – Emergency Medical Technician (EMT)

Cost: \$77,350

The Emergency Medical Technician (EMT) program has transitioned to noncredit. This transition allows flexibility to the program as well as allow Mt. SAC to offer the courses more times during the year and serve a greater number of students. As the EMT program transitioned to SCE, it became clear that additional equipment would need to be purchased for the program. This equipment will be used in both the SCE Health Careers Sim Lab and the Health Careers Resource Center. In addition, technical experts will be needed for to teach the additional clinicals that will be offered and to meet the state requirement for student/faculty ratios. **Costs include equipment, technical experts hired as professional experts, and instructional supplies.**

6. Enhancing Employability with Surveying Technician Training

Cost: \$52,655

Surveying technicians perform critical work to support the Southern California economy. With the aging population of surveying workers and the lack of training programs offering certification, labor market data shows a significant labor shortage. There is also a lack of community college surveying technology programs in Los Angeles County; currently only East LA College offers training and averages one graduate per year. This proposal would create a new surveying technology certificate and a new course, with program content aligned with the National Society of Professional Surveyors designed for students to pass the surveying fundamentals exam and to place students into the workforce. **Costs include program development by faculty utilizing reassigned time, supplies, equipment, one Surveying student tutor, program marketing funds, and faculty professional development.**

7. Sign Language Interpreters Enhanced Internships/Mentoring

Cost: \$39,549

Students training to be Sign Language interpreters, especially at the two-year level, are in desperate need of the full spectrum of support when they transition to a working professional. Strong Workforce funding will provide the necessary support to develop a new certification, "Bridging the Gap," which will provide students extra support while transitioning to a working professional. This new program will have distance classes available, zero-cost or low-cost materials, and real internship opportunities in the community. **Costs include program development by adjunct faculty as a professional expert, faculty professional development, development of internship opportunities with local agencies/organizations, and instructional material development.**

8. Geotechnology Certificate

Cost: \$33,800

From 2016-2019 the Earth Sciences and Astronomy Department used Strong Workforce funding to develop a new CTE-focused certificate to meet a demonstrated labor market need in a variety of sectors for geotechnical jobs: environmental techs, petroleum techs, soils techs, solid waste techs, water agency aids and techs, and other entry-level positions in private and public sectors. Existing faculty members require field training to teach two of the new methods classes (GEOL 31 and GEOL 33) which contain a suite of specific skills, techniques, laboratory methods, and specialized instrumentation. SWP funding will be used for two faculty members to perform externships in businesses during Winter and Summer intersessions to gain the skills necessary to teach the new courses, and equipment identified by the Advisory Committee as necessary for field work. **Costs include faculty performing externships at the applicable non-instructional hourly rate and equipment.**

9. Commercial Music

Cost: \$161,039

SWP funding will be used to create a Commercial Music AS degree program. Analysis of labor market data, the department review processes, and surveys of students indicate there is need for this program. Commercial Music graduates will have creative, performance, and production skills for commercial musical settings and be prepared for immediate placement as music directors/composers, musicians and singers, audio/video equipment technicians, and sound engineering technicians. **Costs include faculty program development at the applicable non-instructional hourly rate, equipment (31 iMacs, software licenses, hardware interfaces, and instruments), and faculty professional development.**