

2019-2020 Program Review - Equipment Requests

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Area	Program	Resource Request Title	Brief Desc of Resource Request	Cost	Previously Requested in Year(s)	Priority				ET Notes
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			<p>Increase student success to equal levels in all of our courses. Goal: Increase student success to equal levels in all of our courses.</p> <p>Criticality: Impact on the Learning or Operating Environment: Annual equipment budget needed to support course offerings. Our budget is currently only in the form of restricted lottery funds and is inadequate to meet re-occurring needs, significantly lags the college average, is much lower per student than the other sciences, and has not increased to meet the continued rising costs of equipment/models. We currently have NO equipment budget to use to replace damaged equipment quickly. Models often break mid-semester and replacing them quickly is vital to continue teaching the required curriculum. We are asking for an annual equipment budget increase separate from our restricted lottery funds.</p> <p>Targets: Course success rate, degrees awarded, equity gaps, and SLOs. Cost Estimate: \$2,000 annually for equipment fund</p> <p>Sustainability/Recurring Costs: this is an annual equipment budget request.</p> <p>Innovation: This addresses equipment, and supplemental material needs to better facilitate student learning, retention, and success. We currently have NO equipment budget to replace damaged equipment/models. Models often break mid-semester and replacing them quickly is vital to continue teaching the required curriculum. Currently required equipment replacement must come from restricted lottery funds meant to support general classroom instruction, thus taking away from our ability to further enhance our non-laboratory based classes, and dramatically limits what can be purchased due to the \$200 per item cap in this category. This negatively impacts our ability to close equity gaps and better serve students across all learning modalities. All Anthropology students are therefore served by this request.</p>	Cost Estimate: \$2,000 annually for equipment fund	2018-2019, 2017-2018, 2016-2017	2		1	1	One year only. Restricted lottery allocation being reviewed.
AA	Anthropology	ANTH1602	Prior request: yes, last three program reviews; has not been fully addressed by the college.							
AA	Chemistry	CHE1804	<p>Replace broken equipment used in Elementary, General, and Organic labs. Would reduce wait times for students who must share equipment and improve their lab experience. In addition, some of the equipment currently in use is potentially dangerous and needs addressing( e.g. 10 year old hot plates with melted power cords) Equipment requested: 10 hot plates for use in Elementary Chemistry (\$2750) 2 Melt-temp apparatus used to test samples in organic lab (\$2000) , replace Vernier temperature, pH probes, and spectrometers used multiple times a semester in General Chemistry V1AL and V1BL (\$8750)</p>	\$13500	2018-2019	1	1	2	2	

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BAS	Facilities, Maintenance, and Operations	FMO1904 Replace Lift Gate on Flat Bed	The current lift gate is malfunctioning and inconsistent. Attempts at repairing it have failed. This has the potential of injuring individuals moving heavy objects. The replacement consists of a new hydraulic motor and lift gate.	\$3000		4	3	20	3	
BAS	Facilities, Maintenance, and Operations	FMO1702 Purchase Backhoe/Front Loader	Purchase new or used backhoe/ front loader for grounds work throughout campus. This equipment is used daily to manage green waste and trash along with special projects throughout the year. The current backhoe (purchased in 1986) is limited in usage due to the need of repairs. For some work, FMO is forced to rent the equipment that is costly and time consuming.	\$90,000	2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014, 2012-2013, 2011-2012	1	1	4	4	
AA	Mathematics and Computer Science	MAT1903	Blinds for Classrooms  Roller Blinds for math classrooms (SCI 350,351,352 and 354). Students are unable to see the projections given in class, due to the sunlight that shines into the classroom. These classrooms currently do not have proper window coverings. This was previously awarded in program review 2 years ago, but the ordering and installment process never occurred. However, the need is still great!	\$5,712.66	2018-2019, 2017-2018	3		5	5	
SA	Off-Campus Programs	OFF1906	Purchase a 20ft storage container to house at the East Campus to properly store emergency materials. This request aligns with ACCJC Accreditation Standard III.B.1 (Physical Resources).	\$3000- \$6000	2018-2019	1	1	3	6	Need to confirm feasibility with landlord. Review size need.
AA	Athletics/Kinesiology	A/K1901	Track and Field Equipment that is over 10 years old that will need to be replaced for competitions and practices. New equipment will help the programs stay in compliance with changing rules and help them recruit more student-athletes for Track and Field programs. Equipment is also used by Civic Center renters for track and field	\$40,000		1	4	7	7	

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SA	Financial Aid	FA1702	Purchasing furniture and computer equipment for Financial Aid Office Computer Lab	16 Computer Desks = \$16,000 17 Computers/ Monitors = \$20,400* 1 Lectern = \$3000 1 Smart Classroom Setup = \$10,000 2 Scanners = \$2000* 1 Printer = \$1000* 16 Chairs = \$3200 16 Network Drops = \$2000 Electrical Work = \$3000 1 Switch = \$2500 1 Patch Cables/Lock	2018-2019, 2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014, 2012-2013, 2011-2012	3	2	8	8	AB 19 funds.

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AA	Life Sciences	BIO1914 (Anatomy Arm & Leg)	Anatomy (ANAT V01) classes at VC incorporate the use of plastic models to facilitate active learning and promote structure visualization. The great value of using models in instruction is that pre-professional health care students are able to gain an appreciation for the structures and structural relationships of the human body. Research has shown that plastic models have a significant positive effect on student attitudes, learning, and retention of anatomy and physiology content ( <a href="https://doi.org/10.1152/advan.00154.2012">https://doi.org/10.1152/advan.00154.2012</a> ).  The models in the anatomy lab are utilized by roughly 800 students per year. Our current upper and lower limb models are over 20 years old and several are broken and/or missing pieces. We are requesting one new SOMSO arm model and two new SOMSO leg models to add to the anatomy lab. Course success will be improved by having complete, fully functional models for students to use for studying muscular and nervous system anatomy.	\$7,210 (including shipping and tax for one arm and two legs)		4		9	9	
AA	Engineering	ENG1902	Acquire three, Amscope Polarizing Metallurgical Microscopes with Cameras. Increasing the number of microscope/camera station from 3 to 6 in a lab materials engineering lab of 18 to 21 student engineers eliminates the waiting time to view samples. This will manifest in a time savings of at least 1, and probably 2, lab sessions. This time can be better spent in increasing student comfort in recognizing crystal grain characteristics by doubling the viewing time at the microscope/camera station while ensuring each student has the opportunity to experience the process of crystallographic data acquisition.	4467		3	9	10	10	
AA	Paramedic/EMT	PAR1902	Obtain the cardiac monitor devices that are used in the care of patients in Ventura County by the EMS agencies. The program currently has outdated cardiac monitors that do not represent the items used in the field setting. Students must then learn the equipment when participating in their internship phase of the training instead of being familiar with the equipment that was used during simulation events in the classroom setting. The county EMS agencies have move to the Zoll X Series and Physio LifePak15 cardiac monitors. One of each would allow the students access to learn the equipment prior to seeing it in the field.	\$45,000 per cardiac monitor for a total of \$90,000	2018-2019	4	5	12	11	
AA	Performing Arts	PER1711	Updated Sewing Machines for Costume Shop: Equipment is faltering from years of use and needs updating on a yearly basis. Equipment is faltering from years of use and needs updating on a yearly basis. It is imperative this become a yearly budget increase for maintaining equipment. (Comprehensive)	\$3,500	2018-2019, 2017-2018, 2016-2017	12		21	12	
AA	Performing Arts	PER1910	Dress Forms for Full Figured Designs: 2 Size 24 Missy's Form No Legs. We do not have the proper dress forms to construct costumes for performers with fuller figures. This is an equity issue we would like to address immediately.	\$2800		11		26	13	
AA	Library	LIB1903	Additional whiteboards needed in LRC 205. The current whiteboard is mostly covered by the projector screen so when we have classes in LRC 205 we are only able to use a portion of the white board. There is plenty of wall space to hang additional whiteboards in the room.	\$5,000		10		36	14	

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AA	Life Sciences	BIO1912 (Bacti-Cinerators)	This request is to keep microbiology lab at Ventura College over the summer of 2020 when HVAC is being installed. Instead of Bunsen burners to sterilizes loops with bacteria, which require gas and have an open flame, we can use electric Bacti-Cinerators which are portable and don't require gas or have open flames. This would work for our summer micro course. We would need 6 of these.	\$3,500		6		37	15	
BAS	College Marketing	MAR1904	Fresh collection of banners to hang throughout the campus. Our current banners are faded and illegible. New banners would be generic (i.e. not event specific nor dated). Fresh banners would greatly enhance the appearance of the campus.	5000.00		4	9	38	16	Promoting the 95th Anniversary
SA	Veterans Resource Center	VRC1803	Remodeling & furniture for the Student Lounge, patch and paint Student Lounge, two internal offices and kitchen	\$8,000	2018-2019, 2017-2018	5	6	30	17	Veterans Center grant funding. Furniture request. Facility work in facilities request.
AA	Chemistry	CHE1703	Common calculator loan program for students in Chem V20, Chem V30 and Chem V01A to improve access and efficiency of instruction. Students need to become proficient in use of calculators quickly and when faculty have to spend time demonstrating scientific notation, exponents etc. on several types of calculators, it wastes valuable class time. Also, would reduce cost of class to students.	\$6600 for 600 calculators	2018-2019, 2017-2018	8		14	18	Partially funded.
ET	Executive Team	EXT1903 Way Finding Signage	Campuswide signage to help individuals in determining where they are on campus and direct them to services and buildings.	\$8000		3	3	16	19	In conjunction with the Facilities Master Plan.
BAS	Facilities, Maintenance, and Operations	FMO1905 Dump Truck	The current dump truck is 33 years old (1986) and is used to haul green waste to Santa Paula and garbage to the dump in Ventura weekly. It is also used to pick up wood chips, mulch and other items. Side panels have been rebuilt once already and are giving out. Repairs are required on a regular basis.	\$60,000		5	4	43	20	
AA	Architecture, Drafting, and Construction Technology	ARC 1902	Purchase of a Table Top CNC Router and Computer. The CNC router would allow the Drafting Program to develop additional class projects, that would benefit the students and provide for additional student recruitment. CNC routing would be the beginning process, leading students into Manufacturing and employment.	\$9,800	2018-2019	3		11	21	
AA	Architecture, Drafting, and Construction Technology	ARC 1903	Purchase of a Vacuum Forming Machine. The purchase of a Vacuum Forming Machine would allow the Drafting Program to develop additional class projects that would benefit the students and provide for additional student recruitment. Vacuforming is a process used in industry and would provide students with additional employment skills.	\$10,000	2018-2019	4		22	22	
AA	Athletics/Kinesiology	A/K1701	Fitness Equipment for Fitness Center, Indoor Weight Room and Outdoor Weight Room for use by all students in KIN/ICA classes.	\$75,000	2018-2019, 2017-2018, 2016-2017, 2015-2016	4		19	23	Fund 1/5 with a five year equipment refresh plan.

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AA	Performing Arts	PER1712	Electronic Kiosks for Advertising Performing Arts Events: Will be placed in front of PAC and on campus to advertise upcoming events and courses. This will increase visibility of Performing Arts on campus and in the community along with programming associated with each specific discipline. Cost includes installation.	\$10,000	2018-2019, 2017-2018	2		6	24	In conjunction with the Facilities Master Plan.
AA	Tutoring Center	TUT1806	If approved and program review funds this request we would place said furniture in strategic area to help facilitate one-on-one sessions. This would reduce confusion of where students meet for said session, in addition to providing a quiet space for student tutoring. This would support students who have learning challenges and can't focus because of noise level. It would also help our Veteran students who request a quiet space to focus when attending one-on-sessions. (Second Request)	Objectives Resource Requests Review Type: Comprehensive Program Review Cycle: 2018 - 2021 "one-on-one Tutoring stations"  Cost: \$16,400.00 (includes wiring) Individual tutoring stations with sound insulation with wiring: \$8200 per station x 2 stations	2018-2019, 2017-2018	6	3	18	25	
AA	Architecture, Drafting, and Construction Technology	ARC1707	Desk Top Metal 3D Printer(\$150,000) and computer to run equipment (\$1,200). As 3D printing continues to evolve, we need to stay current in the technology that we use.	\$151,200	2018-2019, 2017-2018	12		23	26	

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AA	Athletics/Kinesiology	A/K1906	Improve transportation for division and institution by adding two vehicles to the current fleet. This will support many groups on campus with high use coming from Athletics, ASVC, agriculture, counseling, and geology. One 12 passenger van	\$45,000	2018-2019, 2017-2018	11	10	25	27	Fund one vehicle
AA	Art	ART1901	Model CXC-Brendt Pottery Wheel (4 wheels)	\$1850 each, \$7,400		3	7	27	28	
BAS	Facilities, Maintenance, and Operations	FMO1901 Riding Rotary Mower	The current mower is 8 years old and has 2400 hours of usage, which is equivalent to a 16 year old car. The mower is used daily campus-wide and at the Sheriff's Academy. If it fails, it will adversely affect FMOs ability to maintain the grounds, especially the athletic fields.	\$65,000		3	2	28	29	
AA	Library	LIB1902	The Library is now 15+ years old. Some of our furniture is really starting to show its age. While we replaced some of our furniture (i.e., chairs) a few years ago, other furniture is now nearing the end of its usable life cycle.	\$20,000		7		49	30	
SA	Financial Aid	FA1704	Build partitions for the walk-up windows in the lobby (Equipment-Furniture).	\$4,000	2018-2019, 2017-2018, 2016-2017, 2015-2016, 2014-2015, 2013-2014, 2012-2013, 2011-2012	7	4	31	31	
AA	ESL	ESL 1901	Active Learning Furniture for ELC-3: 36 Node Chairs from Steelcase to replace old stationary tables and chairs.	11,096		3	8	32	32	
AA	Engineering	ENGR1703	Purchase Unmanned Aerial Vehicles and battery charger: Only 12% of the engineering students at Ventura College are females. It is critical to create a learning environment inviting to females, where gender-neutral projects can develop skills while engaging female and male students alike. Utilizing UAV's for project-based learning has been identified as a positive enticement for females into this male-dominated field. Gender diversity in the program will benefit all students.	6659	2018-2019, 2017-2018	4		14	33	

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AA	Mathematics and Computer Science	MAT1906	<p>2 Classroom sets of mobile desk chairs for active learning:</p> <p>This will allow for more collaborative learning arrangements in our classroom. Many of our faculty are adopting active learning activities into their traditional classroom set ups. This group work is very difficult to arrange in our current classroom settings with the rows of desks. We would like to request enough desks to transform 2 classrooms: SCI-230 and SCI-228. Research shows that students who are active in their learning will retain information longer and master content more successfully. Collaborative learning will enhance student success.</p>	The total cost is \$33,000 (We need 40 mobile chairs for each classroom, and the cost for parts, shipping, and labor is \$16,500 per room)	2018-2019	6		33.00	34	
AA	Library	LIB1803	<p>One time funds needs to help refresh the outdated Library environment at VCSP. Based on the feedback received, we would then need funds to refresh the outdated collection, furniture and space. As part of a multi-year plan, we need to:</p> <ul style="list-style-type: none"> <li>- Purchase new materials to refresh the aging collection</li> <li>- Purchase new furniture</li> </ul> <p>The amount listed in the estimated cost is only for the funds needed in AY 19-20 to start updating the print collection. After the collection is refreshed, then we will ask for funding to purchase new furniture in a subsequent year's program review request.</p>	\$10,000	2018-2019	6	5	34	35	
AA	Chemistry	CHE1901	<p>Purchase of NMR. NMR is a common laboratory technique used in organic chemistry to determine the structure of molecules. One of the SLO's for the class involves mastering this technique which is currently done though the use of a "dry" lab where students are provided data to analyze. The purchase of a NMR machine would allow students to collect their own data on molecules they have synthesized and then determine the structure.</p>	\$53000		7		38	36	
AA	Mathematics and Computer Science	Mat1907	<p>Teacher Lecterns for updated classrooms:</p> <p>In updating and cleaning out our math classrooms, the teacher's work space has been somewhat reduced. Teachers have requested that we purchase lecterns for each classroom, so that there is a place to hold notes, textbooks, or other equipment. It would be nice to have a compact model that can be easily set aside if another teacher does not desire to have the lectern.</p>	Estimate is \$80 each. Total cost for 10 lecterns: \$800		7		40	37	Classrooms need to be identified.
AA	Athletics/Kinesiology	A/K1905	<p>Training room equipment to help prevent or rehab student athletes from injuries. Equipment includes one electric portable water station, one new ultrasound/stem machine and modular taping station</p>	\$12,000		10		42	38	



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BAS	Facilities, Maintenance, and Operations	FMO1906 Rain Gear 12 Carts	Rain gear replacements with windshields. Custodial golf cart fleet came into service in 2011. Since then the protective rain gear and windshields have become weathered and are in need of replacement. Contributing factors of rain, fire and unpredicted hot weather have faded and cracked these current covers. Items are made of canvas, plastic and fiberglass windshields.	\$14,000		6	5	51	39	
BAS	Facilities, Maintenance, and Operations	FMO1911 Commercial Pressure Washer	The current pressure washer is 30 years old. It is unreliable and requires frequent repairs. It would be used throughout the campus to clean the exteriors of buildings, decks, sidewalks, stairs and parking lots.	\$8200		11	7	44	40	
BAS	Facilities, Maintenance, and Operations	FMO1907 Fertilizer Spreader	Requesting a fertilizer spreader that can be towed behind a tractor. This will help us fertilize and/or large grass areas, such as athletic fields and grass strips around the edges of the campus.	\$5000		7	6	45	41	
SA	Counseling	COU1906	18 chairs to assist counselors in providing students with the best counseling experience which includes providing them with physical comfort during an appointment	\$9,000		9	3	46	42	
SA	Counseling	COU1907	Stand Up Desks to assist counselors with creating a more ergonomic work space that will assist in their productivity and contact with students.	10 for \$3,000		10	5	48	43	
BAS	Facilities, Maintenance, and Operations	FMO1912 Two Used Golf Carts	The custodial fleet is 8 years old. Carts go out of service often. Some repairs we are able to address in-house, some the carts are sent out for repairs. We are seeking two used additional carts as back-up or replacements, as needed.	\$8000		12	8	53	44	
AA	Athletics/Kinesiology	A/K1904	Two covered Soccer benches for Ventura College Women's Soccer events as well as some Civic Center soccer rentals	\$22,000		9		50	46	
AA	Athletics/Kinesiology	A/K1903	Gator tractor for the West part of campus to be used for field prep and clean on the West Field, field prep and clean up in the Sportsplex/Tennis Court area, and to help if needed with the Athletic Trainers. Gator would also be used by FM&O and Civic Center	\$20,000 for purchase plus \$1,000 a year for maintenance		8		52	47	

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AA	Library	LIB1904	Reestablish on-going, yearly financial support from the campus general fund (111) for the Library book collection. Presently, the VC Library receives \$0 in general fund financial support. In past years, Fund 111 (FOAP 111-31013-6300-612000) would provide between \$30,000-\$49,000 a year to the Library. In FY17 and FY18 111-31013-6300-612000 provided for a line item for a book budget (although we were not allowed to spend it for a variety of reasons), in FY19 this FOAP provided a line item with \$0 in this account but currently in FY20 there is not even a Fund 111 line item for a Library book budget. This is an accreditation issue that the institution needs to provide general fund support for library materials. Fund 113 was designed to enhance NOT supplant GF support to the Library.	\$50,000		8		41	48	