

2023-2024 Program Review Technology Requests (New)

Area	Unit	Resource Request Title	Description of Resource Request	Estimated Cost	Prog	Area	Comm	ET	2024-25 Approved Amount	Notes
AA	Geosciences	GEO2303	40 Virtual Reality Headsets/WiFi and charging cart.	\$32,000	3		1	1	\$32,000	
AA	Architecture, Drafting, and Construction Technology	ARC2110	Desk Top Metal 3D Printer(\$150,000) and computer to run equipment (\$5,200). As 3D printing continues to evolve, we need to stay current in the technology that we use.	\$160,000	5		2	2	\$160,000	
AA	Distance Education	DIS2108	DIS2108 Purchase 5 iPads for Champion iPad Users and 5 Apple Pencils for instructors to test out, use in classroom, demo for others.	\$8,000	3	8	4	3	\$8,000	
AA	Engineering	ENG2202	SCI-101 Monitors	\$1,600	4	5	6	4	\$1,600	
AA	Chemistry	CHE2303	Installation and upgrade of SCI-211 for a projector/smart classroom. A permanent projector would be installed and SCI-211 upgraded to a smart classroom with an integrated desktop computer, document camera, and other projection options for instruction.	\$15,000	3	9	7	5	\$15,000	
AA	Library	LIB2001	The stresses on the Ventura College Library databases budget have only increased. While the use of CARES funding has dramatically increased our ability to meet the faculty and student needs in terms of being a 21st century, digitally-oriented library, when these CARES funds expire and faculty and students have become accustomed to the wealth of resources to which we now provide access, it will be a rude awakening the dramatic cuts that we will have to make. We will not need to keep all of the databases that we subscribed to during COVID-19, but many of them are worthy of maintaining our institutional access. Failure to address this critical funding shortage will directly lead to an anticipated accreditation problem. Just sayin'.	\$100,000	1		9	6	\$0	Funded through Lottery/113 ongoing funding
AA	Geosciences	GEO2302	Replacement of ASC 140 3D Projectors with 2D Projectors	\$50,000	2		10	7	\$50,000	

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AA	Library	LIB2002	<p>The VC Library is the repository for rare books and archival materials relevant to Ventura College, the VCCCD, and local history. These materials are all in print format and some are one-of-a-kind, including the VCCCD Board Agendas and Minutes dating back to the BoT's inception in the 1960s. We are also the only location on Earth with a (near) complete print run of Ventura College newspapers, magazines, yearbooks, college catalogs, and VC ephemera. As we plan for our 95th and 100th campus anniversaries, digitization of these archival materials would preserve them and provide increased access to the campus and local community to these precious resources. In addition to digitization, we need to plan and prepare accordingly for protecting the print materials in the event of an emergency or disaster.</p> <p>In order to digitize these materials, the VC Library requests a high-quality large format scanner, a computer, copy stand, and a Nikon DSLR camera. In order to make the digitized materials available online, the VC Library requests a subscription to Alma-Digital. To protect the print materials, the VC Library requests emergency preparedness supplies including plastic sheeting, waterproof tape, and collapsible plastic storage containers.</p>	\$15,500	8		11	8	\$15,500	

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AA	Criminal Justice	CRI2301	<p>Epson Perfection V850 Pro Photo Scanner- for the digital transcription of film, negatives, slides, and photos, this is a critical step in the preservation of forensic evidence collected both at the crime scene and in the lab. Supports the goal of giving students hands-on experience using the same modern equipment currently used in forensics laboratories and aids in student’s ability to process and communicate scientific information. Requesting two units at about \$1500 each.</p> <p>CSI Pix Software Suite- the software system used by fingerprint examiners in over 600 US agencies. This software suite would allow students to examine, match, and create a mini-database of searchable fingerprint exemplars that would mimic databases similar to what is used by local, state, and national crime labs. This experience enforces hands-on critical thinking and data analysis skills and application of the scientific method and builds and hones the skills needed for employment at forensic science laboratories.</p> <p>CSIpix Comparator is the most widely used software dedicated to fingerprint comparison. Comparator speeds up enhancement, calibration, comparison and analysis of fingerprints and other forensic images. Requesting 12 licenses at \$700 each.</p> <p>CSIpix- CSIpix Matcher is a powerful tool that adds automated minutia pattern searching to Comparator. Perform in-depth, automated searches between a latent print and a known palmprint or tenprint. Requesting 2 licenses at \$2,195 each.</p> <p>CSIpix- CSI Quickly find matches by searching an in-house collection of known suspects. Great for eliminations too. You can install Case AFIS right on your computer, copy prints to a directory and search without the need for a database. Requesting 2 licenses at \$5,495 each</p>	\$27,000	1		12	9	\$3,000	Same as CRI2301. Purchase equip,emt through program review. Work on budget for ongoing costs

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AA	Anthropology	ANT2103	<p>Equipment to support specific Forensic Science curriculum (please also see CJ program review, CRI2301)</p> <p>Epson Perfection V850 Pro Photo Scanner- for the digital transcription of film, negatives, slides, and photos, this is a critical step in the preservation of forensic evidence collected both at the crime scene and in the lab. Supports the goal of giving students hands-on experience using the same modern equipment currently used in forensics laboratories and aids in students ability to process and communicate scientific information. Requesting two units at about \$1500 each.</p> <p>CSI Pix Software Suite- the software system used by fingerprint examiners in over 600 US agencies. This software suite would allow students to examine, match, and create a mini-database of searchable fingerprint exemplars that would mimic databases similar to what is used by local, state, and national crime labs. This experience enforces hands-on critical thinking and data analysis skills and application of the scientific method and builds and hones the skills needed for employment at forensic science laboratories.</p> <p>CSIpix Comparator is the most widely used software dedicated to fingerprint comparison. Comparator speeds up enhancement, calibration, comparison and analysis of fingerprints and other forensic images. Requesting 12 licenses at \$700 each.</p> <p>CSIpix- CSIpix Matcher is a powerful tool that adds automated minutia pattern searching to Comparator. Perform in-depth, automated searches between a latent print and a known palmpoint or tenprint. Requesting 2 licenses at \$2,195 each.</p> <p>CSIpix- CSI Quickly find matches by searching an in-house collection of known suspects. Great for eliminations too. You can install Case AFIS right on your computer, copy prints to a directory and search without the need for a database. Requesting 2 licenses at \$5,495 each</p>	\$30,000	9	11			9	\$2,900	Equipment funded through program review. Work with CE on licenses and ongoing costs

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AA	Health Sciences	NS2302	A closed circuit camera system for the simulation room in HSC 102, like the one in ELC-1 that can be used in the HSC skills lab to record and videotape simulation scenarios.	\$15,000	3		13	10	\$15,000	
AA	Automotive/Diesel	ACE2302	Provide IT equipment needed to record procedural tasks on vehicle.	\$5,000	6		15	11	\$5,000	
AA	STEM Harbor	STE2302	Starfish Ergotron mobile computer kiosk for student sign in to track student usage.	\$1,500	2		17	12	\$1,500	
AA	Water Science	WAT2301	<p>We would like to improve ECT 6 (the Water Science Classroom) by removing a built in cabinet and replacing it with a white board and capture camera.</p> <p>The capture camera will allows us to share white board content with students on Zoom. I have a hyflex class this semester and it is a struggle to get high quality video off white board material. The camera angle is always off. A capture device would fix this challenge and allow us to save work quickly on a computer. Unlike a smart projector, there is no bright light shining in student's or teacher's eyes, the cost is much lower, and the risk of failure is also much lower because it a simple unit. I anticipate there will be more hyflex classes offered in the future that further put the capture camera to good use. The white boards are being funded via division funds, while the capture camera is being requested here. Since this resource request is for the capture camera, it is a technology request.</p>	\$5,000	1	6	18	13	\$5,000	

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AA	Career Education	CAR1801	Convert classroom MCE-336 to a computer lab. The need for computer classes exceeds the capacity of the existing computer labs in MCE.	Total Cost: \$129,000 33 Computer Desks = \$48,000 33 Computers = \$48,000 33 Cabling = \$8000 Cables/Mounts/Accessories = \$1000 Computer Switches = \$4000 Electrical = \$20,000	1	1	19	14	\$129,000	Need to work with IT to reduce computers elsewhere on campus to ensure that IT staff is able to maintain the infrastructure
AA	Library	LIB2201	Given the increase in online and hybrid courses, students are frequently requesting access to technology for use in the library group study rooms. Equipping each study room with a 65 monitor and an AirServer would allow students to cast their personal or library device to the screen in order to work together using technology efficiently and without the need for additional cords.	\$57,000	6	11	13	15	\$10,000	Funding a Pilot Program to determine demand

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AA	Mathematics and Computer Science	MAT2304	CISCO CCNA equipment: The Computer Science department at VC has been neglected for some time. With a devoted and experienced full timer, we are now able to focus on offering our students Cisco CCNA Certification program with more options in classes and better equipment. The three newly developed Cisco CCNA courses are approved by the curriculum committee, approved for the CSU transferable equivalent courses, aligned with Zero Textbook Cost (ZTC) initiative, and currently the CS V61: Cisco CCNA Networking 1 is being offered in Fall 2023. They are currently offered at Moorpark and Oxnard College, and we at VC are ready to meet the growing demand in this ever-evolving area. VC currently has solid programming courses (Python, Object-Oriented Programming, C++, Java) and students can use this new additional equipment to continue with the new programs/certificates as they will be offered. By having this equipment, VC can serve our students to be more competitive on the job market and service the community. Being part of a large Math Department causes the CS program's needs to sometimes be prioritized lower. But, this equipment is important to CS growth and development, and the college will want to support this request.	19,200 dollars	5		25	16	\$19,200	
AA	Communication Studies	Comm1903	3 headsets and 3 ring lights for full time faculty members that are writing and teaching all online courses that are planned to be offered in current and future semesters.	\$1,200	2		5			Purchase with Department Budget

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AA	Mathematics and Computer Science	MAT2302	<p>Access to required quality tools such as functioning calculators is an important component of an equitable math education. Some students may experience socio-economic challenges and may be without calculators which can enhance learning opportunities and provide an edge to students that have them. By providing new, up-to-date, instructor calculator sets for students to use, there is a more equitable playing field, allowing all students the same tools to excel in mathematics. Class sets allow equitable access to the same type of calculator, so students have the same functionality.</p> <p>By providing instructor sets/class sets/testing sets/tutoring sets of calculators, students will have equal access to quality calculators. This allows our department to promote an equitable learning environment, bridge socioeconomic gaps, accommodate diverse learning styles, assist students with different needs and increase student success. This investment contributes to a more equitable educational experience for our students.</p>	11,000 dollars	3	10	8			Purchase with Lottery Funding

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AA	Chemistry	CHEM1802	<p>Replace 16 desktop computers in two labs (SCI-211 and SCI-216) with 30 laptops and laptop cart.</p> <p>There are a number of issues with our current set up in two of our labs:</p> <ul style="list-style-type: none"> - Students are forced to work in bigger groups than is appropriate for lab work as 24-28 students share 8 desktop computer in each of the two lab rooms. Ideally, students would work in groups of two which is not possible with our current configuration. - The desktop computers create sight-line issues for students seeing the whiteboard - The desktop computers take up valuable bench space in our crowded lab rooms and are prone to having chemicals spilled on them (Note: The computers are not used every week so for some labs they are just in the way) - The desktop computers take up our limited outlets which creates issues when labs require hot plates etc <p>Replacing the desktop computers with laptops would address all of these issues</p> <p>Number of students impacted by this change: All sections of Chem V01A and Chem V01B (over 800 students per year)</p>	\$55,000	7	2	15			

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AA	Mathematics and Computer Science	MAT2303	<p>One of the most significant arguments for acquiring iPads is to ensure equity among students. Not all students may have access to personal devices, and providing iPads to instructors means that students who lack access to their own devices can still engage fully in digital learning activities. This helps level the playing field and ensures that all students, regardless of their socio-economic backgrounds, have an equal opportunity to succeed. iPads offer a plethora of interactive and engaging learning tools that can transform math education. From dynamic visualizations and graphing applications to collaborative whiteboard platforms, these tools create an inclusive learning environment that caters to diverse learning styles and abilities, enhancing students' understanding of mathematical concepts. Modern iPads are equipped with robust accessibility features, such as voice commands, screen readers, and magnification tools. These features ensure that math content is accessible to students with disabilities, promoting inclusivity and equity in education. Newer iPads enable instructors to efficiently assess student work and provide timely feedback. This streamlined approach to grading and feedback benefits all students, as it ensures that each student receives the support they need to improve their math skills. Investing in iPads for the Math Department also facilitates professional development. Instructors can access online courses, teaching resources, and math communities, staying current with best practices in math education. This, in turn, benefits students by ensuring they receive instruction informed by the latest pedagogical advancements. Updating old iPads is essential because technology evolves rapidly. Older devices may not be compatible with the latest software and applications required for modern math instruction. Also, upgrading to newer iPads ensures longevity and reduces the risk of technology becoming obsolete, which can hinder equitable access to educational resources. Maintaining older iPads can become costly as they age and require repairs or replacement parts. Investing in new iPads can lead to cost savings in the long run, as newer devices are more reliable and require fewer maintenance expenses. In today's digital age, students have come to expect technology-enhanced learning experiences. Providing iPads to instructors aligns with student expectations and ensures that our department remains competitive and appealing to</p>	<p>12 inch iPad Pro, Apple pencil keyboard for iPad Pro + taxes</p> <p>For 8 of the above packages, the total estimate is \$15,200</p>	4	6	19			

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AA	Mathematics and Computer Science	MAT2305	Computer Science Upgrades: Our one computer science classroom is a large classroom with some challenges in allowing students to follow the programming illustrations displayed at the front of the room. The full time Computer Science instructor would like to request the following items for the classroom: 2 touch screen monitors, 1 dual monitor stands, and 2 anti-glare privacy filters. This new equipment provides larger screen size to accommodate more room for multiple opening windows side by side that helps students to visualize better and be more productive.	1000 dollars	6		19			
AA	Mathematics and Computer Science	MAT2306	Purchase and install high lumen/laser ultra-short throw projectors, speaker system, HDMI laptop connections, and a very large white board with minimum 5 feet tall and as wide as the room settings allow. The SCI building is one of the most outdated buildings on campus, and our Computer Science (CS) classroom SCI 226 is at the top of the list for those needing tech refresh.	15,000 dollars	7		22			
AA	Library	LIB1901	Installation of 10 cameras in low-visibility areas of the Library. In alignment with the VC Executive Team's top priority on the college's Planning Parameters for 2019-2020 (i.e., College Safety), we are requesting the installation of cameras in the Library, especially in areas where there is minimal to no staff visibility (e.g., the Reading Room, the Children's Library, the back hallway, the side study carrels, etc.). In the past year we have had to make increased calls to Campus Police and the safety of our students and staff is our top priority. This request replaces the request for mirrors that we made in the AY 2018-19 Library Program Review. Library Security Cameras (10); Cameras = \$15,000; Cabling = \$10,000; Licenses = \$5,000	\$30,000	9	4	23			Consider as part of larger campus camera system improvements
SA	Veterans Resource Center	VRC2303	Relocate TV monitor from Student Lounge to Lobby, upgrade network cabling at new TV mount site	\$1,500	3	1	23			Put in workorder

\$472,700