

**2017-18 Program Review Equipment Requests - Academic Affairs**

Program/Dept	Total Amount	Project Group	Department Priority	Division Priority	Executive Priority	Cumulative Total	Objectives	Activity/Comment	NRER_ID
ENVRMT	\$655	ENVRMT 1	1	1	1	\$655	Secure additional teaching materials for ENVRMT 103 and 104 sections.	We recently purchased needed instructional materials for ENV 104. New needs have been identified for ENV 103 and will be included as augmentations.	833
Library	\$1,200		1	1	2	\$1,855	Improve utility, comfort, and aesthetics of library facilities by upgrading study rooms and replacing aging furnishings and decor in the Valencia campus building and by displaying student artwork at the Canyon Country campus library.	In the past year, the library was able to replace some of the chairs on the first floor with overstock from the warehouse. Maps to AUO Students who use library facilities will perceive them to be a welcoming, supportive, and useful environment.	747
Academic Affairs	\$6,000		1	1	3	\$7,855	Ensure compliance with ISA guidelines.		867
Academic Senate	\$13,500	2_Meeting Efficiency	1	1	4	\$21,355	Support work of the Curriculum Committee by providing technology to evaluate and review curriculum.		794
AUTO	\$29,505	AUTO 4a	2	1	5	\$50,860	Scanners are no longer able to be updated. Need to purchase new scanners to support Auto 094,102.103,105. Can not work on newer cars do to age of scanners. Can not conduct many aspects of Auto 103 without proper scanners	Have bid from company, Snap-On Tools. No funding. On program review since 2012	862
School of Social & B	\$84,000	SBS 1	1	1	7	\$134,860	Improve the learning environment by providing necessary instructional equipment, non-instructional supplies and instructional supplies for academic programs which have experienced 20-40% growth in FTES in a 5 year period.	With growth of FTES, sections and adjuncts teaching in the SSBS, and the increased costs of non-instructional and instructional supplies, the School needs to increase its budget. Additionally, computer carts are needed to address lack of computer labs needed for statisticsmethods classes in Sociology and Psychology.	858
THEATR	\$126,915	5	1	1	8	\$261,775	Train students on current Industry technology and expand production capabilities in Robotic Lighting .	Modern technical theatre equipment is essential to hands-on learning for both technical students (installation, and use during production), and acting students to work with new technologies while performing. Robotic lighting equipment will be used as part of performances in the department, existing technical theatre classes and as part of the classes for the proposed Technical Theatre degreecertificate.	820
ENVRMT	\$231	ENVRMT 2	2	2	9	\$262,006	Secure additional teaching materials for ENVRMT 103 and 104 sections.	We recently purchased needed instructional materials for ENV 104. New needs have been identified for ENV 103 and will be included as augmentations.	834

**2017-18 Program Review Equipment Requests - Academic Affairs**

Library	\$4,500		2	2	10	\$266,506	Improve utility, comfort, and aesthetics of library facilities by upgrading study rooms and replacing aging furnishings and decor in the Valencia campus building and by displaying student artwork at the Canyon Country campus library.	In the past year, the library was able to replace some of the chairs on the first floor with overstock from the warehouse. Maps to AUO Students who use library facilities will perceive them to be a welcoming, supportive, and useful environment.	750
ANTHRO	\$15,000	1	1	2	11	\$281,506	Improve program and instruction effectiveness by acquiring skeletal reproductions of early humans and replace broken lab equipment at the Canyon Country Campus.	INCREASE REQUEST FROM \$12,000 TO \$15,000 due to need for display cabinets for samples - Part of modernization.	844 - INCREASE
PAC	\$22,000	2	2	2	12	\$303,506	Establish a technologically advanced venue for technical theatre student labs and Instructional, Community, and Professional productions.	Increase state of the art lighting and projection equipment inventory to improve student hands on training experience and expand Instructional, Community, and Professional production capabilities.	811
AUTO	\$37,424	AUTO 4b	3	2	14	\$340,930	Scanners are no longer able to be updated. Need to purchase new scanners to support Auto 094,102,103,105. Can not work on newer cars do to age of scanners. Can not conduct many aspects of Auto 103 without proper scanners	Have bid from company, Snap-On Tools. No funding. On program review since 2012	863
ENVRMT	\$501	ENVRMT 3	4	3	15	\$341,431	Secure laboratory equipment that will enable students to gather data that has relevant practical applications for the school and community.	We received approval to purchase much needed important laboratory and classroom equipment.	835
Library	\$900		3	3	16	\$342,331	Improve utility, comfort, and aesthetics of library facilities by upgrading study rooms and replacing aging furnishings and decor in the Valencia campus building and by displaying student artwork at the Canyon Country campus library.	In the past year, the library was able to replace some of the chairs on the first floor with overstock from the warehouse. Maps to AUO Students who use library facilities will perceive them to be a welcoming, supportive, and useful environment.	748
PAC	\$20,000	4	4	3	17	\$362,331	Produce state of the art learning environment in the Main Stage and Black Box Theatres for the VAPA departments and increase technical theatre student involvement in PAC operations with internships andor lab workshops.		813
ANTHRO	\$27,000	3	2	3	18	\$389,331	Create a mobile computer classroom for Anthropology students by acquiring a set of 30 laptops that could be shared by multiple classes and sections.		845
ENVRMT	\$208	ENVRMT 4	3	4	19	\$389,539	Develop an aquatic ecosystem in the Outdoor Research Garden.	The pond is up and running. Aquatic plants and fish will be added in the spring and student research will begin in either the spring or fall of 2017.	836

**2017-18 Program Review Equipment Requests - Academic Affairs**

Library	\$3,000		4	4	20	\$392,539	Improve utility, comfort, and aesthetics of library facilities by upgrading study rooms and replacing aging furnishings and decor in the Valencia campus building and by displaying student artwork at the Canyon Country campus library.	In the past year, the library was able to replace some of the chairs on the first floor with overstock from the warehouse. Maps to AUO Students who use library facilities will perceive them to be a welcoming, supportive, and useful environment.	749
ECE	\$12,000	5	1	4	21	\$404,539	To increase technological effectiveness in our Valencia adult classrooms. <b>FURNITURE NEEDS</b>	40 iPads have been secured for the Valencia ECE learning environments. (There are currently 0 iPads in the Canyon Country ECE classroom.) ECE is in need of additional training for these iPads so they can be utilized most effectively in the adult classroom. We secured funding through Perkins to purchase a storage cabinet to enable us to move 12 iPads to our Canyon Country classroom. This will occur in spring 17.	864 - <b>MODIFY</b>
MEA	\$34,200	7	5	4	22	\$438,739	Outfit animation computers with state of the industry, Wacom Cintiq tablets. This computer equipment is used by all film, video and game studios as well as 4 year university animation labs. This input equipment will need to be at all computer stations in order to give students the opportunity to use modern animation equipment.		758
PAC	\$68,000	10	6	5	25	\$506,739	Create an inventory of quality lighting and projection equipment that will easily adapt to all the differing needs of the Instructional, Community, and Professional Users of the PAC in an efficient and cost effective manner.		814
MEA	\$500	6	7	6	26	\$507,239	Animation Digital Capture work station including camera, computer, software, tripod and lights	Purchased two additional stations as of the end of Fall 2015 using Perkins Funding. This brings us to four stations for an official capacity of 22, but most classes unofficially enroll 25 to 28. At least two additional stations will need to be purchased so that the six stations can be shared by these students. This equipment is used in 4 to 5 sections of animation each semester. UPDATE- I am now told that 2 of the 6 stations the classes use are not owned by the college, but provided by the inst	756
GEOL	\$5,900	GEOL 2	2	6	28	\$513,139	Secure funding to expand the geology program and acquire needed supplies and new equipment.	With the growth and recent addition of sections as well as recent implementation of the AS-T degree, the department requires additional equipment to support new courses such as the Historical Geology (which is a new addition as required by the AS-T degree) as well as Earth science laboratory (which supports the Elementary Education AA-T degree).	773

**2017-18 Program Review Equipment Requests - Academic Affairs**

ART	\$1,100	4	5	7	29	\$514,239	Upgrade Studio Lighting: new track lighting in Mentry 201 & 241 (Completion date: Spring 2017)	Request for new equipment funds to cover these additions to the Mentry studio facilities is in this 2016 APR	818
NURSNNG	\$13,500	NURSNNG 2	7	7	31	\$527,739	Enhance use of simulation to replace valuable learning experiences that may not be achievable in current hospital setting due to loss of appropriate clinical sites for medical surgical nursing and low census in OB and pediatric settings which also decreases clinical sites.	One time money will be used to purchase OB simulator. Will need institutional support to maintain equipment.	839
NURSNNG	\$7,000	NURSNNG 2	1	8	33	\$534,739	Enhance use of simulation to replace valuable learning experiences that may not be achievable in current hospital setting due to loss of appropriate clinical sites for medical surgical nursing and low census in OB and pediatric settings which also decreases clinical sites.	One time money will be used to purchase OB simulator. Will need institutional support to maintain equipment.	766
MEA	\$10,250	5	6	8	34	\$544,989	Software licensing - change to institutional funding into general budget IT (Temple)	yet to be started due to funding issues...see Jim Temple	754
NURSNNG	\$3,500	NURSNNG 2	6	9	35	\$548,489	Enhance use of simulation to replace valuable learning experiences that may not be achievable in current hospital setting due to loss of appropriate clinical sites for medical surgical nursing and low census in OB and pediatric settings which also decreases clinical sites.	One time money will be used to purchase OB simulator. Will need institutional support to maintain equipment.	838
THEATR	\$4,800	6	2	9	36	\$553,289	Train students on current Industry technology and expand production capabilities in sound design. COMMENT: This will train students to work with modern wireless microphone technologies for both technical students mixing and designing, and for the acting students perfecting mic technique during productions.		817
NURSNNG	\$3,000	NURSNNG 2	8	10	37	\$556,289	Enhance use of simulation to replace valuable learning experiences that may not be achievable in current hospital setting due to loss of appropriate clinical sites for medical surgical nursing and low census in OB and pediatric settings which also decreases clinical sites.	One time money will be used to purchase OB simulator. Will need institutional support to maintain equipment.	840
ART	\$7,750	5	6	10	38	\$564,039	Upgrade Painting Studio (Mentry 301)(Completion date: Fall 2017)		822
ART	\$2,120	2	1	11	39	\$566,159	Create and develop an Art Community Education Program(Completion: Spring 2018)		767

**2017-18 Program Review Equipment Requests - Academic Affairs**

NURSNG	\$2,850	NURSNG 2	5	11	40	\$569,009	Enhance use of simulation to replace valuable learning experiences that may not be achievable in current hospital setting due to loss of appropriate clinical sites for medical surgical nursing and low census in OB and pediatric settings which also decreases clinical sites.	One time money will be used to purchase OB simulator. Will need institutional support to maintain equipment.	837
ART	\$605	2	4	12	41	\$569,614	Create and develop an Art Community Education Program(Completion: Spring 2018)		775
NURSNG	\$1,600	NURSNG 2	3	12	42	\$571,214	Enhance use of simulation to replace valuable learning experiences that may not be achievable in current hospital setting due to loss of appropriate clinical sites for medical surgical nursing and low census in OB and pediatric settings which also decreases clinical sites.	One time money will be used to purchase OB simulator. Will need institutional support to maintain equipment.	765
NURSNG	\$733	NURSNG 4	2	13	43	\$571,947	Maintain California Board of Registered Nursing (BRN) approval by remaining in compliance during the continuing approval visit in Spring 2014 that will allow the school to offer an associate degree in nursing.	BRN approval has been an ongoing process and does not need to be a seperate objective.	763
THEATR	\$15,000	7	3	13	44	\$586,947	Train students on current Industry technology and expand production capabilities in projection. COMMENT: Most theatre productions are in S130 and PAC 127 which require short throw, high intensity projections to create projection designs in those theatres. These projectors would allow technical students to learn about installation, programming and operation during theatrical events. They will be used in our exiting technical theatre classes, productions and in the proposed Technical Theatr		821
NURSNG	\$526	NURSNG 2	4	14	45	\$587,473	Enhance use of simulation to replace valuable learning experiences that may not be achievable in current hospital setting due to loss of appropriate clinical sites for medical surgical nursing and low census in OB and pediatric settings which also decreases clinical sites.	One time money will be used to purchase OB simulator. Will need institutional support to maintain equipment.	762
PAC	\$12,000	9	5	14	46	\$599,473	Provide exceptional professional support and instructional resources to ensure the success of student capstone events and performances.	This is an ongoing endeavor	812
PHYSICI	\$1,380	PHYSICI 2	1	15	47	\$600,853	Enhance technology use for laboratory experiments	Some new materials utilizing current technology have been purchased. More are planned.	830

**2017-18 Program Review Equipment Requests - Academic Affairs**

MEA	\$4,800	6	8	15	48	\$605,653	Animation Digital Capture work station including camera, computer, software, tripod and lights	Purchased two additional stations as of the end of Fall 2015 using Perkins Funding. This brings us to four stations for an official capacity of 22, but most classes unofficially enroll 25 to 28. At least two additional stations will need to be purchased so that the six stations can be shared by these students. This equipment is used in 4 to 5 sections of animation each semester. UPDATE- I am now told that 2 of the 6 stations the classes use are not owned by the college, but provided by the inst	755
MEA	\$34,500	4	3	16	50	\$640,153	Upgrade MEA audio and video field equipment to create industry standard and industry relevant learning opportunities for students.	Including, but not limited to: (1) 4K HD Video Camera/Tripod and audio packages to replace existing (legacy) (2) HD field video camera/tripod technology for film/video news media acquisition now out-of-date (3) Tascams replaced with Sound Design 702T (4) Wireless Units to be included for field 4k video production acquisition and (5) Place on regular 5 year replacement cycle. UPDATE: Some equipment purchased in 2015-16 budget cycle.	753
MESA	\$434	MESA 1	4	17	51	\$640,587	Provide appropriate seating for Industry Board members, community stakeholders and MESA students during orientation.		848
MEA	\$74,560	3	4	17	52	\$715,147	Upgrade MEA Studio audio, video and post production stage and control room equipment and technology to create industry standard and relevant learning opportunities for students.	Including, but not limited to: 1) Replace Tungsten lights with equivalent LED lights, 60 to 80 percent energy savings on a 1 for 1 replacement as per MEA Instructional Support 5 year plan. 2) Studio media recording and storage. UPDATE: Some equipment purchased in 2015-16 budget cycle. Need to modernize studio lighting from tungsten to LED. Also replace end of life cameras, tripods and teleprompters (no longer supported).	752
MESA	\$1,674	MESA 1	2	18	53	\$716,821	Provide appropriate seating for Industry Board members, community stakeholders and MESA students during orientation.		849
PAC	\$4,400	1	1	18	54	\$721,221	Restore Full operational status to aging equipment originally installed in the PAC		855
MESA	\$1,116	MESA 1	3	19	55	\$722,337	Provide appropriate seating for Industry Board members, community stakeholders and MESA students during orientation.		850
MEA	\$55,200	2	2	19	56	\$777,537	Outfit MEA classrooms with industry standard 4K format monitors and projectors.		853
BIOSCI	\$5,500	1	20	20	57	\$783,037	Obtain a plate reader to connect to desktop computer in labs that require the counting and graphing of cell culture properties.		726

**2017-18 Program Review Equipment Requests - Academic Affairs**

BIOSCI	\$4,500	2	21	23	60	\$787,537	Obtain a transilluminator that connect to desktop computers in lab to visualize and capture images of electrophoresis gels during genetics labs.		727
BIOSCI	\$5,600	4	22	24	61	\$793,137	Obtain Binocular Inverted Phase microscopes to use during visualization of cell cultures.		728
BIOSCI	\$900	3	23	25	62	\$794,037	Obtain three Pipet Washers to safely clean and rinse cell culture pipettes from cell culture transfers and collections while in lab.		729
BIOSCI	\$1,000	5	24	26	63	\$795,037	Obtain a Motic X WiFi camera to obtain microscopic images to be fed to instructor's desktop and student's phones increasing images resolution.		730
BIOSCI	\$800	6	25	27	64	\$795,837	Obtain an Ipad to wirelessly connect to the Motic X camera to feed images to instructor's desk and student's phone from microscopic preparations.		731
BIOSCI	\$3,500	7	26	28	65	\$799,337	Obtaining an upright teaching microscope to provide high clarity in a variety of observation methods, including bright field, phase contrast, and fluorescence to be used in our major's courses.		732
BIOSCI	\$1,500	8	27	29	66	\$800,837	Obtain 3 cordless microscopes to benefit our DSPS students use of microscopes in lab and in the field.		733
BIOSCI	\$1,200	9	28	30	67	\$802,037	Obtain a UV Cabinet to allow students to safely observe glowing bacteria eliminating the need of a dark room while protecting student's eyes.		734
ENGR	\$85,000		2	48	85	\$887,037	Secure an open lab space for student engineering course projects.	Makerspace is available for this objective.	742
ENGR	\$20,000		1	49	86	\$907,037	Creation of an Engineering Problem Solving using MatLab course.		743
MATH	\$9,000		1	50	87	\$916,037	to effectively use cutting-edge technology and pedagogy for classroom instruction, including the use of smart (interactive) projectors in select classrooms.		768
PHYSIC	\$4,000		3	51	88	\$920,037	Secure an additional laboratory classroom for physics course offerings.	ALLB 111, 112, and 113 are currently being shared with ENGR, PHYSCI, ASTRON, and CHEM. The dedication of these rooms to PHYSIC and ENGR would be more efficient for scheduling physics and more manageable for our lab technician.	737
PHYSIC	\$10,000		2	52	89	\$930,037	Increase the number of hybrid offerings in the 200-level physics series.	220 has been offered as a hybrid, 221 will be offered as hybrid in FALL 2015.	739
PHYSIC	\$27,000		5	53	90	\$957,037	Secure a larger revolving budget for supplies replenishment and lab equipment purchases on a semester basis. (Amount included in budget)	Increased sections require more supplies and materials.	740

**2017-18 Program Review Equipment Requests - Academic Affairs**

PHYSIC	\$10,000		1	54	91	\$967,037	Secure a larger revolving budget for supplies replenishment and lab equipment purchases on a semester basis. (Amount included in budget)	Increased sections require more supplies and materials.	741
PHYSIC	\$5,000		4	55	92	\$972,037	Secure more office space for the PHYSICENGR lab tech.	New lab tech hired, will check with him to evaluate his office needs	738