

## SAC RESOURCE ALLOCATION REQUEST FY 2014/15

DEPARTMENT: Science, Math & Health Sciences  
 SUBMITTED BY: Cher Carrera

**Directions:**

- \* Enter Items that have been included in your 2013/14 approved or revised program review that require additional funding
- \* Sort request by division/department priority
- \* Submit a hard copy of this request to Administrative Services by March 8, 2014 along with your supporting evidence

GL Account	Department	Item	Request Type Personnel Facility Equipment Technology	Request Description	How does your request relate to course/program SLOs?	How does your request relate to dept/division goal?	How does your request relate to the college mission?	Priority	Estimated Cost FY 13/14	SOURCE OF FUNDS General Fund/Grants/O ther Funds	FOR CABINET USE ONLY. REQUEST APPROVED YES/NO
	SM&HS	Replace Existing Computers in the Math Center	Equipment	Replace outdated computers in the Math Center to continue to meet student demand (60 computers)	Provide students with the opportunity to apply technology tools to evaluate the quality of reasoning behind arguments, interpretations. During Peak hours of operation, computers in the Math Center are being fully used (over 90% usage). This time lasts from 10 am-8pm). Students utilize the computers for working on online homework, accessing blackboard, and working on statistics assignments. Over 1000 students use online homework systems to do homework each semester and the use of computers is increasing in our statistics courses. In addition, DLA's are computer-based in the Math Center increasing computer usage by 11000 hours each semester. The computers are high usage, aid in our students achievement at the college, and are some of the oldest at the college. They are in need of replacement.	Assists to meet goal/task towards excellence in curriculum	Meets the technology development needs of our diverse community and prepares students for transfer in a dynamic learning environment	T-1	\$65,000	I.E./SAC TAC	Funded FY 14/15
	SM&HS	40-80 compound microscopes	Equipment	Microscopes to replace Bio 109L's current equipment which is old and not functioning adequately.	Purchase of this equipment will replace our failing equipment so that we can continue to provide instruction that teaches critical thinking skills and technical vocabulary of biology through hands on exploration. This course currently generates approximately 36.5 census FTES per semester. With 40 microscopes we could maintain this number with 80 microscopes we could double this number.	Goal - Improve instruction to meet student learning outcomes. It is hard to teach and have students do hands on work with equipment that is no longer functioning.	SAC biology needs to be a leader in intellectual and technology in order to provide our students with a dynamic learning environment that prepares them for transfer, careers and lifelong learning.	1	\$ 160,000.00	I.E.	Funded FY 14/15
	SM&HS	Equipment and supplies	Equipment	Obtain state of the art equipment and supplies for Skills/Simulation Lab reflective of the health care industry standard including updated computer software, vital sim interface, syringes, gloves, IV catheters, and sterile supplies.	On time graduation rate less than 70%; need comprehensive links between clinical and theory courses.	Program improvement and student success	To provide a dynamic learning environment preparing students for transfer and careers.	2	\$ 20,000.00	I.E.	Funded FY 14/15
	SM&HS	Lab Materials	Equipment	Equipment to expand and be able to offer Bio 239, 109L & 249 in two different rooms simultaneously	Goal - Improve instruction to meet student learning outcomes. As we are able to offer more courses we are often prohibited from offering more than one section at a time of our most popular classes because we only have enough equipment to offer a particular course in one particular room.		SAC biology needs to be a leader in intellectual and technology in order to provide our students with a dynamic learning environment that prepares them for transfer, careers and lifelong learning.	3	\$ 80,000.00	I.E.	Funded FY 14/15
	SM&HS		Equipment	Gas Chromatograph	Goal-Update Instrumentaion: Equipment will strengthen SAC Organic Chemistry program (replacing outdated 20+ yr equip) and help develop Chemical Technician Program.		Correlated to college transfer rate (credit), student success initiatives, program/services sustainability.	4	\$ 20,000.00	I.E.	Funded FY 14/15
	SM&HS		Equipment	UV Spectrophotometer	Goal-Update Instrumentaion: Equipment will strengthen SAC Organic Chemistry program (replacing outdated 20+ yr equip) and help develop Chemical Technician Program.		Correlated to college transfer rate (credit), student success initiatives, program/services sustainability.	5	\$ 10,000.00	I.E.	Funded FY 14/15

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	SM&HS		Equipment	Electrophoresis equipment for Bio 211 and Bio 109L. Models for Bio 109L, 212 and 239	Goal - Improve instruction to meet student learning outcomes. As we are able to offer more courses we are often prohibited from offering more than one section at a time of our most popular classes because we only have enough equipment to offer a particular course in one particular room.		SAC biology needs to be a leader in intellectual and technology in order to provide our students with a dynamic learning environment that prepares them for transfer, careers and lifelong learning.		\$ 40,000.00		Funded in 13/14 I.E. funds
	SM&HS	Mediate R-114	Equipment	Install the standard computer, projection system and document camera for classroom use in R-114. (Current situation is not suitable for instruction)	Provide students with innovative and high quality teaching by allowing various ways to communicate quantitative or symbolic information	Assists to meet goal/task towards efficient use of technology	Meets the technological development needs of our diverse community		\$ 8,000.00		Funded w/13-14 dept. funds
	SM&HS	Mediate R-113	Equipment	Install computer, projection system and document camera for classroom use in R-113	Provide students with innovative and high quality teaching by allowing various ways to communicate quantitative or symbolic information	Assists to meet goal/task towards efficient use of technology	Meets the technological development needs of our diverse community		\$ 8,000.00		Funded w/13-14 I.E. funds
	SM&HS		Equipment	Centrifuges (3)	Goal-Update Instrumentaion: Equipment will strengthen SAC Chemistry program (replacing outdated/broken equip) and help develop Chemical Technician Program.		Correlated to health, safety and efficiency of the learning environment.		\$ 3,000.00		Funded w/13-14 I.E. funds
	SM&HS	ICD-10 Coding Books	Instructional Supplies	The standards for billing/coding in the healthcare arena are changing. The resource books for billing need to be updated.	In order for the medical assisting student to earn a certificate of achievement, the billing course must be completed. This course is one of five core courses required for the certificate. The Medical Assisting program generated 97.9 FTES in the 2012-2013 academic year.	Program improvement and student success	To provide a dynamic learning environment to prepare students for careers.		\$ 3,000.00	Lottery	Funded FY 14/15
	SM&HS		Equipment	4 incubators with double sided doors to replace microbiology incubators which are failing.	Goal - Improve instruction to meet student learning outcomes. It is hard to teach and have students do hands on work with equipment that is no longer functioning.		SAC biology needs to be a leader in intellectual and technology in order to provide our students with a dynamic learning environment that prepares them for transfer, careers and lifelong learning.		\$ 20,000.00	I.E	Funded FY 14/15
	SM&HS		Equipment	Liquid Chromatograph	Goal-Update Instrumentaion: Equipment will strengthen SAC Organic Chemistry program (replacing outdated 20+ yr equip) and help develop Chemical Technician Program.		Correlated to college transfer rate (credit), student success initiatives, program/services sustainability.		\$ 20,000.00	I.E	Funded FY 14/15
	SM&HS		Equipment	Potentiometer	Goal-Update Instrumentaion: Equipment will strengthen SAC Organic Chemistry program (replacing outdated 20+ yr equip) and help develop Chemical Technician Program.		Correlated to college transfer rate (credit), student success initiatives, program/services sustainability.		\$ 10,000.00		Not funded in FY 14/15
	SM&HS		equipment and ITS	10 more laptops for Bio 211, 212, 214 & 249 lab activities	Goal - Improve instruction to meet student learning outcomes. Students also need to be able to do lab simulation, take online quizzes and assignments in the lab.		SAC biology needs to be a leader in intellectual and technology in order to provide our students with a dynamic learning environment that prepares them for transfer, careers and lifelong learning.		\$ 20,000.00	I.E	Funded FY 14/15
	SM&HS	Upgrade Classroom and Math Center software	Technology	Classroom and Math Center software needs to be updated to meet students needs	Provide students with the opportunity to apply current technology tools to evaluate the quality of reasoning behind arguments, interpretations	Assists to meet goal/task towards excellence in curriculum	Meets the technology development needs of our diverse community and prepares students for transfer in a dynamic learning environment		\$ 5,000.00		Not funded in FY 14/15
	SM&HS	Computers	Technology	Update faculty computers	Critical thinking and clinical reasoning SLO's show need for continued development of innovative teaching/learning strategies.	Update media to promote creativity through the ongoing development of inovative teaching strategies for student success. The Health Sciences Department (EMT, MA, & Nursing) generated 423.56 FTES for the 2012.	To provide a dynamic learning environment preparing students for transfer and careers.		\$ 15,000.00		Not funded in FY 14/15
	SM&HS		Technology	Desktop Computer for Adjunct Workroom	Increase productivity/involvement of adjunct faculty . Allow adjunct faculty access to SAC technology while in the Chemistry dept.		Correlated to health, safety and efficiency of the learning environment.		\$ 2,000.00		Not funded in FY 14/15

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	SM&HS	computer software 2-4 storage/model cabinets 20 models 10 lamps 1 prep table	Equipment, ITS, facilities	Enhanced computer software, lighting, model storage and prep facilities for Bio 239	This equipment will help instructors prepare and organize material better for the anatomy labs. As a result students will be able to observe and analyze anatomical structures with more clarity and increase their technical vocabulary of biology. Current census FTES generated by this class is 65 per semester. With this equipment the	Goal - Improve instruction to meet student learning outcomes. Facilities for the Bio 239 course need organizing, updating and repair in order to provide the students with a quality learning environment.	SAC biology needs to be a leader in intellectual and technology in order to provide our students with a dynamic learning environment that prepares them for transfer, careers and lifelong learning.		\$ 10,000.00		Not funded in FY 14/15
<b>For Administrative Services Use only</b>								<b>Date Received:</b>	<b>TOTAL</b>	<b>\$ 519,000.00</b>	<b>\$0</b>