

Math - Science Program Review Spreadsheet

Line Number	Division Code	Program	Program Priority (0, 1, 2, 3...)	Division Priority (R,H,M,L)	Committee Priority (R, H, M, L)	College Priority (R, H, M, L)	Initiative ID	Initiative Title	Resource Description	Resource Category	Estimated Cost
1	31	Anthropology	0	H			ANTH1201	Strengthen the Four Fields		0	
2	31	Anthropology	0	H			ANTH1203	Grade Distribution		0	
3	31	Anthropology	0	H			ANTH1204	District Established WSCH		0	
4	31	Biology	0	H			BIO3-12	Curriculum & SLO collaboration & discussion	Regular meetings of the department	0	-
5	31	Chemistry	0	H			CHEM4-12	Increase standardization of student assessment in multi-section classes.	Development of standardized assessment tools and rubrics for laboratory classes	0	
6	31	ESRM	0	H			ESRM#4-2011	Geosciences lead for ESRM	Geosciences will provide the leadership for ESRM	0	
7	31	Geology	0	H			GEOL#3-2011	Communicate Geog-Geol Unique		0	-
8	31	Geography/GIS	0	H			GEOG#3-2011	Communicate Geog-Geol Unique		0	-
9	31	MESA	0	H			MESA 1-2011	Increase the number of mentoring opportunities for MESA students	MESA Budget	0	
	31	MESA	0	H			MESA 2-2011	Provide extracurricular activities	MESA Budget	0	

10	31	Physics	0	H			Physics 00	Curriculum Improvement	Continuously improve curriculum using publisher textbook updates and auxiliary tools and incorporate them along with D2L	0	-
11	31	Astronomy	0	H			AST 00	Improve pedagogy	Improve e-book format	0	
12	31	Physical Science	0	H			PHSC 00	Improve home labs	Organize home-based labs to group home-based labs	0	
13	31	Physical Science	0	H			PHSC 01	New online text material	Choose better online text material	0	
14	31	Physical Science	0	H			PHSC 02	Cohort study groups	Organize cohort study groups (face-to-face or social media)	0	
15	31	Biology	8	H			BIO2-12	New FT instructor	New FT instructor	1	
16	31	Geology	1	H			GEOL#1-2011	New Geology Faculty Member	Department is lacking a Geologist or Geosciences instructor	1	Same Request
17	31	Geography	2	H			GEOG#2-2011	New Geology Faculty Member	Department is lacking a Geologist. Geographer with strong Geology OK	1	
18	31	Physics	1	H			Physics 01	Addition of 1 F/T Faculty Position	Physics/Astronomy seeks to add 1 F/T Faculty Position. The 2 current F/T have been at the college for 20 and 27 years, and a new F/T faculty position needs to be in place to handle impending retirements	1	
19	31	Computer Science	1	M			CS 6-1	Full-time faculty	faculty growth position	1	
20	31	Engineering	4	M			ENGR 1&2-11	Expand contact hours in TWO ENGINEERING COURSES	Additional 0.066 FTE per academic year	1	4000
21	31	ESRM	2	M			ESRM#2-2011	Full slate of ESRM courses	Cover 1 class/semester .2fte	1	\$6,000
22	31	MATH	3	L			MATH 11-3	Calculus and Statistics discussion sessions	Add 1 hour lab courses to the current schedule	1	23,000

23	31	Chemistry	1	H			CHEM2-12	Improve student access to technology in the Elementary Chemistry Laboratory	Student worker to prepare samples for student analysis	2	4,000
24	31	Geography/GIS (Geography, Geology, ESRM)	1	H			GEOG#2-2011 and GEOL#2-2011	Separate Geosciences Dept. from Physics, Astronomy and Engineering	Geosciences programs have grown to the point of needing a dedicated department chair. This will fix the ad hoc nature of the department chair activities	2	2,500
25	31	MATH	1	H			MATH 11-1	Expansion of SI Prgram and Math Center hours	hire tutors	2	20,000
26	31	Anthropology	3	M			ANTH1202	Addressing Budget Needs	Personnel Laboratory Technical Assistant (student worker)	2	1600/semester
27	31	Biology	6	M			BIO4-5-12	Herbarium presses & plant dryer	Herbarium specimens with native plants provided to students in the lab would help them learn to identify the list of native plants. Additional funds for pay for labor to accomplish this.	4,2	~\$400
28	31	Chemistry	3	M			CHEM3-12	Increase student support resources.	SI tutors and increase in tutors at tutoring center	2	5,000
29	31	Chemistry	1	H			CHEM2-12	Improve student access to technology in the Elementary Chemistry Laboratory	Nine computers, visualizer, and a data projector	3	11,000
30	31	Engineering	1	H			ENGR 3-11	Improve teaching facilities	Equip SCI-101 as a "smart" classroom	3	2,500
31	31	Geography/GIS	1	H			GEOG#4-2011	SCI 106 Smart Classroom	Annual software maintenance	3	2,500

32	31	Chemistry	2	M			CHEM1-12	Improve Instrumentation in Organic Chemistry Laboratory	Software update for Gas Chromatogram	3	6,000
33	31	Physics	2	L			Physics 02	Equipment	Replacement of laboratory data acquisition interface boxes that are at end of useful life	3	\$ 9,000.00
34	31	Chemistry	3	L			CHEM3-12	Increase student support resources.	video cameras and software for development of online resources	3	1,500
35	31	Biology	1	R			BIO1A-12	Lab safety and continuing operation	Acquire formaldehyde monitoring equipment	4	Monitoring equipment ~\$1000-2000
36	31	Biology	1	R			BIO1C-12	Lab safety and continuing operation	Assure continuing instruction when capital equipment (Autoclave) fails. This sterilizing device is also used by the Student Health to sterilize their biowaste.	4	Autoclave ~\$80,000+
37	31	Biology	2	H			BIO4-1-12	New Body Model	New Body Model for A & P	4	~\$8000
38	31	Biology	6	M			BIO4-5-12	Herbarium presses & plant dryer	Herbarium specimens with native plants provided to students in the lab would help them learn to identify the list of native plants. Additional funds for pay for labor to accomplish this.	4,2	~\$400
39	31	Biology	5	M			BIO4-4-12	Natural skeletal materials and x-ray viewer	provide students with much needed hands-on materials for study and an important teaching tool	4	~\$5000 skeletal materials; \$? For x-ray viewer
40	31	Biology	3	L			BIO4-2-12	High-quality microscope camera	2 new higher-quality microscope cameras for classroom display	4	~\$4000

41	31	Biology	4	L		BIO4-3-12	Fish tank chillers	These would save time required for acclimation and potentially reduce both shock on the fish and error in the data	4	~\$700
42	31	Physics	2	L		Physics 02	Equipment	Replacement of core support equipment including air tracks, motion carts, power supplies, and LRC meters that have degraded sufficiently to affect lab measurements	4	\$ 17,000.00
43	31	Astronomy	2	L		AST 01	Equipment	Classroom set of Clickers	4	3,000
44	31	Anthropology	1	H		ANTH1202	Addressing Budget Needs	Facility Completion, MCE224 (Biological Anthropology Lab)	5	Unknown
45	31	Biology	1	R		BIO1B-12	Lab safety and continuing operation	Add air-conditioning and ventilation to lab area	5	Air conditioning & ventilation - large ticket; need bid
46	31	ESRM	3	H		ESRM#3-2011	ESRM tools/tech course	Time/equip create course	6	UNK
47	31	Anthropology	2	H		ANTH1202	Addressing Budget Needs	General Budget Increase	7	Increase by \$5000
48	31	Engineering	2	M		ENGR 4-11	Increase the budget for engineering equipment	Increase the budget for engineering equipment – include as part of the 111 fund	7	7,000-20,000 some years costs would be high as some equipment is quite expensive
49	31	Chemistry	2	L		CHEM1-12	Improve Instrumentation in Organic Chemistry Laboratory	Service Contract for Gas Chromatogram	7	2,200
50	31	MATH	3	L		MATH 11-3	Calculus and Statistics discussion sessions	Add 1 hour lab courses to the current schedule	7	23,000
51	31	Engineering	3	H		ENGR 5-11	Purchase required consumables for labs	Increase the supply budget for the engineering program	8	1000

52	31	Biology	7	M			BIO4-6-12	ParScore System	Acquisition of ParScore or similar system for campus and training	3,8	single machine: \$6-7000 (see estimate for larger systems)
53	31	MATH	2	L			MATH 11-2	Access to professional development	staff development funding specific to mathematics instruction	8	10,000

Divisions	
President	10
VP Business	20
EVP	30
Math Science	31
CTE Bus HEC	32
Student Svs	34
Kin Ath Flang	35
CTE	36
Student Act	37
Communications	38

Resource Categories	
No New Resources	0
Personnel-Faculty	1
Personnel-Other	2
Equipment-Computer	3
Equipment-Other	4
Facilities	5
Grants	6
Operating Budget	7
Other	8