

## Physical Sciences Mathematics and Engineering

Dept. #	Course Title	Established Seat Count	# of Sections Reduced	"Single" Load Factor	Total Load	Savings in FTEF @ \$63,000	# of Students Affected
Astro-4	Solar System Astr	70	10	0.111	1.11	\$ 69,930	700
Chem-1A	Gen Chem 1	28	9	0.175	1.242	\$ 78,246	252
Chem-1B	Gen Chem 2	28	5	0.175	0.875	\$ 55,125	140
Chem-10	Intro Chem	28	6	0.137	0.644	\$ 40,572	168
Chem-12C	Organic Chem 3	26	1	0.108	0.108	\$ 6,804	26
Chem-30A	Survey Chem 1	28	1	0.048	0.048	\$ 3,024	28
Chem-30B	Survey Chem 2	28	3	0.137	0.322	\$ 20,286	84
Chem-50	Prep Gen Chem	28	6	0.137	0.555	\$ 34,965	168
Engr-10	Intro Engr	40	1	0.146	0.146	\$ 9,198	40
Engr-35	Statics	40	1	0.111	0.111	\$ 6,993	40
Engr-45	Props of Materials	40	1	0.111	0.111	\$ 6,993	40
Geo-10	Intro Geol	30	2	0.137	0.274	\$ 17,262	60
Geo-20	Gen Oceanography	35	3	0.089	0.267	\$ 16,821	105
Math-1A	Calculus 1	40	11	0.111	1.221	\$ 76,923	440
Math-1B	Calculus 2	40	9	0.111	0.999	\$ 62,937	360
Math-1C	Calculus 3	40	4	0.111	0.444	\$ 27,972	160
Math-1D	Calculus 4	40	1	0.111	0.111	\$ 6,993	40
Math-2A	Differential Equations	40	3	0.111	0.333	\$ 20,979	120
Math-2B	Linear Algebra	40	1	0.111	0.111	\$ 6,993	40
Math-10	Stats & Prob	40	25	0.111	2.775	\$ 174,825	1000
Math-11	Finite Math	40	13	0.111	1.443	\$ 90,909	520
Math-12	Business Calculus	40	3	0.111	0.333	\$ 20,979	120
Math-41	Pre-Calculus I, II, III	40	12	0.111	1.332	\$ 83,916	480
Math-114	Intermediate Algebra	40	23	0.111	2.553	\$ 160,839	920
Math-210	Pre-Algebra	40	16	0.111	1.776	\$ 111,888	640
Math-212	Beginning Algebra	40	23	0.111	2.553	\$ 160,839	920
Met-10	Weather Processes	60	6	0.089	0.534	\$ 33,642	360
Met-10L	Met Lab	40	1	0.048	0.048	\$ 3,024	40
Phys-2A	Gen Intro Phy 1	30	2	0.143	0.286	\$ 18,018	60
Phys-2B	Gen Intro Phy 2	30	1	0.143	0.143	\$ 9,009	30
Phys-2C	Gen Intro Phy 3	30	1	0.143	0.143	\$ 9,009	30
Phys-4A	Phys Sci/Eng 1	30	2	0.159	0.318	\$ 20,034	60
Phys-4B	Phys Sci/Eng 2	30	1	0.159	0.159	\$ 10,017	30
Phys-4C	Phys Sci/Eng 3	30	1	0.159	0.159	\$ 10,017	30
Phys-10	Concepts Physics	90	2	0.111	0.222	\$ 13,986	180
Phys-50	Prep Physics	60	2	0.089	0.178	\$ 11,214	120
PSME-41	Math Practicum-Middle School Teachers	10	3	0.048	0.144	\$ 9,072	30
			<b>215</b>		24.131	\$ 1,520,253	<b>8,581</b>

Complete List of Reductions	
Course Reductions	\$1,520,253
<b>Total Reduction</b>	<b>\$1,520,253</b>

### Impact to Physical Sciences, Mathematics and Engineering

- Loss of 24 FTEF, \$1,520,253 in 1320 dollars with 8,581 students affected.
- 31% reduction in enrollment in a very large, high productivity division
- All transferable courses in all 7 departments adversely impacted.
- Major reduction of courses with large wait lists & high demand-exacerbates student access & completion
- Severe impact on nursing and bio-health programs that require math, physics, and chemistry