

# Assessment: Program Review Updates prior to Fall 2018



## Program (GenEd) - General Studies: Natural Sciences AS.1514

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**Program Catalog Summary:** General Studies – 18 Unit Emphasis:  
SC Program: AS.1514

This emphasis allows the student to explore the broad areas of life and physical sciences as a foundation for lifelong learning.

The Learning Outcomes correspond to the Institutional Student Learning Outcomes.

Choose 18 units from at least four of the following areas:

Agriculture:

AGAS 19

AGEH 33

AGNR 60

AGPS 20

ANAT 1

ASTR 1

BIOL 1,5,6,10,11,12

BOT 1, 50, 52

CHEM 1A, 1B, 2A, 2B, 6, 10, 16, 26, 70, 70A, 71, 71A,

ESCI 1, 2, 3, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16, 17, 18, 32, 33, 34, 35, 36, 37, 38

FSS 25

GEOG 1A, 1AL, 10, 21, 24, 25

MICR 1

NHIS 15, 65

PHSC 1

PHY 1

PHYS 2A, 2B, 4A, 4B, 4C

ZOOL 1, 15

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### *Fall 2017*

**Who completed this form?:** Program Review Committee

**Other factors for consideration:** The data was suspect

**\*\*TO BE COMPLETED BY THE PROGRAM REVIEW COMMITTEE\*\* PRC Action::** PRC recommends the program continue without qualification

**Summary Date:** 05/09/2018

**Summary of findings:** The PRC recommends this program continue without qualification. The program has averaged 28.2 completers per year over the past five years, and had 34 completers in 2016/17. There are no "core courses;" students choose 18 units from a virtual buffet of diverse natural science courses. Enrollments per section have remained steady with a five-year average of 18.2 students per section. However, total enrollments have eroded -8.06% from a high in year 2012/13 of 4054 students with 221 sections, to 3727 students in year 2016/17 with 203 sections. It should be noted that the lowest enrollments were in 2014/15 with 3572 and enrollment growth in 2016/17. The five-year average success rate for all potential classes is 69.77%, below the Institution- Set Standard of 70%. Retention rates have a five-year average of 84.55%. The SLO's for all classes have NOT been mapped to ISLO's, which serve as the program learning outcomes for the University and General Studies degrees. The PRC commends the Natural Science faculty for maintaining strong retention and managing enrollments and sections offered for student access and scheduling efficiency.

The PRC recommends the following:

1. Natural Science faculty map ALL of the SLO's to ISLO's, which serve as the program learning outcomes for the University and General Studies degrees.
2. The program faculty look for opportunities to increase student success rates.

**Summary review date:** 05/09/2018

**Date summary sent to program faculty and/or counselors:** 08/19/2019

Fall 2017 Program Review  
Course Statistics

Course Name	Academic Year					
	2012-13	2013-14	2014-15	2015-16	2016-17	
AGAS-19	# of Sections	3	4	3	3	4
	Enrollment	63	66	61	66	83
	FTES	7.8	10.1	8.4	10.3	12.2
	FTEF	0.57	1.00	0.57	0.85	0.57
	WSCH	235	303	251	310	356
	Avg Enrl/Section	21	17	20	22	21
	Avg FTES FTEF	13.84	10.76	12.65	12.15	14.12
	Avg WSCH FTEF	415	322	379	365	424
AGEH-33	# of Sections	2	2	2	2	3
	Enrollment	52	54	49	52	75
	FTES	4.5	4.7	4.2	3.9	5.9
	FTEF	0.40	0.40	0.40	0.40	0.40
	WSCH	137	144	128	119	176
	Avg Enrl/Section	26	27	25	26	25
	Avg FTES FTEF	11.25	11.75	10.50	9.75	10.50
	Avg WSCH FTEF	343	360	320	298	320
AGNR-60	# of Sections	16	11	11	7	10
	Enrollment	367	267	288	257	254
	FTES	34.4	26.8	26.6	24.1	23.9
	FTEF	1.97	1.60	1.60	1.40	1.40
	WSCH	1,049	819	813	738	728
	Avg Enrl/Section	23	24	26	37	25
	Avg FTES FTEF	15.40	16.00	16.13	17.21	16.00
	Avg WSCH FTEF	471	489	493	527	488
AGPS-20	# of Sections	1	3	1	1	1
	Enrollment	26	44	31	30	28
	FTES	4.6	6.8	5.8	5.8	5.8
	FTEF	0.35	1.05	0.35	0.35	0.35
	WSCH	138	204	174	174	174
	Avg Enrl/Section	26	15	31	30	28
	Avg FTES FTEF	13.14	6.50	16.57	16.57	16.57
	Avg WSCH FTEF	394	194	497	497	497
ANAT-1	# of Sections	11	12	12	13	13
	Enrollment	412	395	395	389	387
	FTES	91.0	81.9	82.6	80.5	85.6
	FTEF	2.99	3.14	3.14	3.55	3.29
	WSCH	2,730	2,457	2,478	2,415	2,569
	Avg Enrl/Section	37	33	33	30	30
	Avg FTES FTEF	38.77	31.89	32.11	28.19	31.66
	Avg WSCH FTEF	1,163	957	963	846	950
ASTR-1	# of Sections	7	6	6	2	5
	Enrollment	417	297	282	159	107
	FTES	39.9	26.8	25.2	13.9	10.0
	FTEF	1.40	1.20	1.20	0.40	0.40
	WSCH	1,198	803	755	423	304

Fall 2017 Program Review  
Course Statistics

	Avg Enrl/Section	60	50	47	80	21
	Avg FTES FTEF	28.17	22.25	20.83	34.75	20.50
	Avg WSCH FTEF	856	669	629	1,058	625
BIOL-1	# of Sections	2	2	2	2	2
	Enrollment	63	56	55	43	47
	FTES	17.1	13.6	14.4	11.2	11.7
	FTEF	0.87	0.87	0.87	0.87	0.87
	WSCH	512	408	432	336	352
	Avg Enrl/Section	32	28	28	22	24
	Avg FTES FTEF	19.69	15.69	16.62	12.92	13.54
	Avg WSCH FTEF	591	471	498	388	406
BIOL-5	# of Sections	11	11	9	7	10
	Enrollment	329	295	273	258	380
	FTES	30.8	27.9	24.2	22.3	35.4
	FTEF	1.20	0.97	0.75	0.80	1.40
	WSCH	923	838	726	672	1,073
	Avg Enrl/Section	30	27	30	37	38
	Avg FTES FTEF	22.92	24.50	30.50	25.38	23.79
	Avg WSCH FTEF	688	736	915	765	721
BIOL-6	# of Sections	6	5	4	4	5
	Enrollment	191	152	121	123	149
	FTES	16.5	14.0	10.6	10.8	13.9
	FTEF	0.90	0.75	0.60	0.60	0.75
	WSCH	496	420	318	324	418
	Avg Enrl/Section	32	30	30	31	30
	Avg FTES FTEF	18.26	18.53	17.67	18.00	18.53
	Avg WSCH FTEF	551	560	530	540	557
BIOL-10	# of Sections	13	12	12	12	11
	Enrollment	365	457	459	453	453
	FTES	67.8	46.2	43.0	43.0	43.4
	FTEF	3.20	1.95	1.80	1.77	1.76
	WSCH	2,033	1,391	1,295	1,295	1,309
	Avg Enrl/Section	28	38	38	38	41
	Avg FTES FTEF	24.62	22.72	22.44	22.65	23.28
	Avg WSCH FTEF	740	687	678	684	704
BIOL-11	# of Sections	6	5	3	3	3
	Enrollment	213	177	112	104	102
	FTES	20.1	15.6	10.8	9.6	10.0
	FTEF	1.20	1.00	0.60	0.60	0.60
	WSCH	622	482	333	513	308
	Avg Enrl/Section	36	35	37	35	34
	Avg FTES FTEF	16.75	15.60	18.00	16.00	16.67
	Avg WSCH FTEF	518	482	555	855	513
BIOL-12	# of Sections					1
	Enrollment					27
	FTES					2.7
	FTEF					0.20

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	WSCH					83
	Avg Enrl/Section					27
	Avg FTES FTEF					13.50
	Avg WSCH FTEF					415
BOT-1	# of Sections	1	2	2	2	2
	Enrollment	37	63	64	58	63
	FTES	9.1	15.7	14.4	14.4	14.9
	FTEF	0.43	0.87	0.87	0.87	0.87
	WSCH	272	472	432	432	448
	Avg Enrl/Section	37	32	32	29	32
	Avg FTES FTEF	20.93	18.15	16.62	16.62	17.23
	Avg WSCH FTEF	628	545	498	498	517
BOT-50	# of Sections					1
	Enrollment					24
	FTES					1.0
	FTEF					0.11
	WSCH					29
	Avg Enrl/Section					24
	Avg FTES FTEF					9.42
	Avg WSCH FTEF					268
CHEM-1A	# of Sections	8	9	10	6	5
	Enrollment	246	243	205	213	222
	FTES	51.8	45.5	45.0	47.2	47.9
	FTEF	2.54	2.35	2.48	1.52	1.45
	WSCH	1,592	1,415	1,351	1,498	1,489
	Avg Enrl/Section	31	27	21	36	44
	Avg FTES FTEF	23.11	24.05	19.61	37.23	42.85
	Avg WSCH FTEF	704	735	588	1,161	1,311
CHEM-1B	# of Sections	4	4	4	4	3
	Enrollment	89	91	69	85	71
	FTES	20.5	18.2	16.3	19.1	15.4
	FTEF	1.27	1.07	1.07	1.07	0.65
	WSCH	616	545	490	574	462
	Avg Enrl/Section	22	23	17	21	24
	Avg FTES FTEF	17.36	19.41	17.43	22.79	27.40
	Avg WSCH FTEF	521	582	523	684	822
CHEM-2A	# of Sections	21	21	23	21	22
	Enrollment	617	639	562	573	594
	FTES	138.8	131.0	124.9	125.1	131.6
	FTEF	6.36	5.62	6.05	5.49	5.70
	WSCH	4,163	3,929	3,746	3,754	3,949
	Avg Enrl/Section	29	30	24	27	27
	Avg FTES FTEF	25.55	28.04	25.12	27.99	28.54
	Avg WSCH FTEF	769	844	756	842	858
CHEM-2B	# of Sections	4	4	3	3	3
	Enrollment	101	76	56	63	69
	FTES	20.0	16.3	10.9	11.5	11.5

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	FTEF	1.27	1.27	0.98	0.92	0.92
	WSCH	656	490	368	381	390
	Avg Enrl/Section	25	19	19	21	23
	Avg FTES FTEF	17.54	13.41	12.74	15.22	15.55
	Avg WSCH FTEF	560	403	416	486	502
CHEM-26	# of Sections	1	1	1		
	Enrollment	21	23	16		
	FTES	2.0	2.5	1.5		
	FTEF	0.27	0.27	0.27		
	WSCH	62	78	45		
	Avg Enrl/Section	21	23	16		
	Avg FTES FTEF	7.50	9.49	5.51		
	Avg WSCH FTEF	232	292	169		
CHEM-70	# of Sections	1	1	1	1	1
	Enrollment	34	29	31	28	39
	FTES	4.5	3.7	4.1	3.7	4.8
	FTEF	0.27	0.27	0.27	0.27	0.27
	WSCH	136	112	124	112	144
	Avg Enrl/Section	34	29	31	28	39
	Avg FTES FTEF	16.99	13.99	15.49	13.99	18.00
	Avg WSCH FTEF	510	420	465	420	540
CHEM-70A	# of Sections	2	1	1	1	2
	Enrollment	33	29	29	26	38
	FTES	3.3	2.8	2.8	2.6	3.5
	FTEF	0.30	0.15	0.15	0.15	0.30
	WSCH	99	84	84	78	105
	Avg Enrl/Section	17	29	29	26	19
	Avg FTES FTEF	11.00	18.67	18.67	17.33	11.67
	Avg WSCH FTEF	330	560	560	520	350
CHEM-71	# of Sections	1	1	1	1	1
	Enrollment	23	18	24	17	15
	FTES	2.3	1.6	2.4	1.6	1.5
	FTEF	0.20	0.20	0.20	0.20	0.20
	WSCH	69	48	72	48	45
	Avg Enrl/Section	23	18	24	17	15
	Avg FTES FTEF	11.50	8.00	12.00	8.00	7.50
	Avg WSCH FTEF	345	240	360	240	225
CHEM-71A	# of Sections	1	1	1	1	1
	Enrollment	23	18	22	16	14
	FTES	4.4	3.2	4.4	3.0	2.8
	FTEF	0.30	0.30	0.30	0.30	0.30
	WSCH	132	96	132	90	84
	Avg Enrl/Section	23	18	22	16	14
	Avg FTES FTEF	14.67	10.67	14.67	10.00	9.33
	Avg WSCH FTEF	440	320	440	300	280
ESCI-1	# of Sections	6	3	2	2	3
	Enrollment	55	30	19	28	24

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	FTES	8.6	5.4	3.6	4.6	3.4
	FTEF	0.59	0.35	0.35	0.22	0.29
	WSCH	258	162	108	138	102
	Avg Enrl/Section	9	10	10	14	8
	Avg FTES FTEF	10.29	13.14	9.14	7.43	8.00
	Avg WSCH FTEF	309	394	274	223	240
ESCI-6	# of Sections	2	2	2	2	2
	Enrollment	61	73	59	59	67
	FTES	11.4	13.8	11.4	10.6	11.2
	FTEF	0.70	0.70	0.70	0.70	0.70
	WSCH	342	414	342	318	336
	Avg Enrl/Section	31	37	30	30	34
	Avg FTES FTEF	16.29	19.71	16.29	15.14	16.00
	Avg WSCH FTEF	489	591	489	454	480
ESCI-7	# of Sections				1	
	Enrollment				18	
	FTES				3.0	
	FTEF				0.35	
	WSCH				90	
	Avg Enrl/Section				18	
	Avg FTES FTEF				8.57	
	Avg WSCH FTEF				257	
ESCI-8	# of Sections			1		2
	Enrollment			42		72
	FTES			4.1		6.4
	FTEF			0.20		0.40
	WSCH			123		198
	Avg Enrl/Section			42		36
	Avg FTES FTEF			20.50		16.00
	Avg WSCH FTEF			615		495
ESCI-9	# of Sections	2	3	4	4	7
	Enrollment	72	111	159	162	157
	FTES	6.0	8.3	12.7	13.6	13.8
	FTEF	0.40	0.60	0.80	0.80	0.97
	WSCH	186	256	392	419	423
	Avg Enrl/Section	36	37	40	41	22
	Avg FTES FTEF	15.00	13.83	15.88	17.00	13.00
	Avg WSCH FTEF	465	427	490	524	399
ESCI-10	# of Sections			4		1
	Enrollment			20		9
	FTES			2.0		1.8
	FTEF			0.35		0.35
	WSCH			60		54
	Avg Enrl/Section			5		9
	Avg FTES FTEF			2.86		5.14
	Avg WSCH FTEF			86		154
ESCI-12	# of Sections	2	1	1	1	2

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	Enrollment	64	40	38	39	70
	FTES	11.8	7.2	7.2	7.2	12.6
	FTEF	0.70	0.35	0.35	0.35	0.70
	WSCH	354	216	216	216	378
	Avg Enrl/Section	32	40	38	39	35
	Avg FTES FTEF	16.61	20.57	20.57	20.57	18.00
	Avg WSCH FTEF	506	617	617	617	540
ESCI-15	# of Sections	2	2	2	2	2
	Enrollment	67	76	70	76	69
	FTES	12.2	13.4	13.4	13.6	12.6
	FTEF	0.70	0.70	0.70	0.70	0.70
	WSCH	366	402	402	408	378
	Avg Enrl/Section	34	38	35	38	35
	Avg FTES FTEF	17.43	19.14	19.14	19.43	18.00
	Avg WSCH FTEF	523	574	574	583	540
ESCI-17	# of Sections	4	4		4	
	Enrollment	24	27		36	
	FTES	2.2	2.3		3.0	
	FTEF	0.20	0.20		0.20	
	WSCH	66	69		90	
	Avg Enrl/Section	6	7		9	
	Avg FTES FTEF	4.50	8.50		9.00	
	Avg WSCH FTEF	135	255		270	
ESCI-18	# of Sections	5	5	5	2	
	Enrollment	66	49	51	52	
	FTES	6.4	4.5	4.6	3.7	
	FTEF	0.40	0.40	0.40	0.40	
	WSCH	195	137	140	114	
	Avg Enrl/Section	13	10	10	26	
	Avg FTES FTEF	14.50	8.50	9.00	9.25	
	Avg WSCH FTEF	443	260	275	285	
ESCI-34	# of Sections			1		
	Enrollment			22		
	FTES			1.6		
	FTEF			0.14		
	WSCH			46		
	Avg Enrl/Section			22		
	Avg FTES FTEF			11.08		
	Avg WSCH FTEF			325		
ESCI-35	# of Sections	1			1	
	Enrollment	27			18	
	FTES	1.9			1.0	
	FTEF	0.14			0.14	
	WSCH	54			28	
	Avg Enrl/Section	27			18	
	Avg FTES FTEF	13.27			7.13	
	Avg WSCH FTEF	381			198	



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ESCI-36	# of Sections	1				
	Enrollment	26				
	FTES	1.4				
	FTEF	0.14				
	WSCH	38				
	Avg Enrl/Section	26				
	Avg FTES FTEF	9.67				
	Avg WSCH FTEF	268				
ESCI-37	# of Sections	1	1			
	Enrollment	39	15			
	FTES	2.0	1.2			
	FTEF	0.14	0.14			
	WSCH	59	33			
	Avg Enrl/Section	39	15			
	Avg FTES FTEF	14.33	8.12			
	Avg WSCH FTEF	416	233			
ESCI-38	# of Sections	1	1			
	Enrollment	28	20			
	FTES	1.9	1.1			
	FTEF	0.14	0.14			
	WSCH	57	32			
	Avg Enrl/Section	28	20			
	Avg FTES FTEF	13.69	7.62			
	Avg WSCH FTEF	402	226			
FSS-25	# of Sections	36	25	29	27	31
	Enrollment	885	700	821	758	764
	FTES	82.1	65.5	75.0	71.2	71.9
	FTEF	4.80	3.77	4.40	4.34	4.52
	WSCH	2,483	1,987	2,278	2,167	2,185
	Avg Enrl/Section	25	28	28	28	25
	Avg FTES FTEF	16.10	16.32	15.75	15.52	14.98
	Avg WSCH FTEF	487	495	479	473	456
GEOG-1A	# of Sections	1	1	1	5	4
	Enrollment	32	32	27	75	99
	FTES	2.9	2.9	2.4	6.8	9.0
	FTEF	0.20	0.20	0.20	0.54	0.80
	WSCH	87	87	72	204	274
	Avg Enrl/Section	32	32	27	15	25
	Avg FTES FTEF	14.50	14.50	12.00	9.83	11.25
	Avg WSCH FTEF	435	435	360	295	343
GEOG-1AL	# of Sections	1				
	Enrollment	21				
	FTES	2.0				
	FTEF	0.15				
	WSCH	60				
	Avg FTES FTEF	13.33				

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	Avg WSCH FTEF				400
GEOG-10	# of Sections	1	2	1	1
	Enrollment	26	25	19	17
	FTES	1.8	3.8	2.5	2.8
	FTEF	0.28	0.57	0.28	0.28
	WSCH	93	115	75	85
	Avg Enrl/Section	26	13	19	17
	Avg FTES FTEF	6.35	6.76	8.82	9.99
	Avg WSCH FTEF	328	203	265	300
GEOG-21	# of Sections				1
	Enrollment				16
	FTES				0.9
	FTEF				0.11
	WSCH				27
	Avg Enrl/Section				16
	Avg FTES FTEF				8.03
	Avg WSCH FTEF				249
GEOG-25	# of Sections		1	1	1
	Enrollment		14	11	19
	FTES		0.9	0.7	1.0
	FTEF		0.11	0.11	0.11
	WSCH		26	22	28
	Avg Enrl/Section		14	11	19
	Avg FTES FTEF		8.03	6.74	9.33
	Avg WSCH FTEF		240	203	259
MICR-1	# of Sections	7	8	7	8
	Enrollment	216	205	196	207
	FTES	61.2	58.5	56.7	58.5
	FTEF	2.90	3.40	2.90	3.40
	WSCH	1,836	1,755	1,701	1,754
	Avg Enrl/Section	31	26	28	26
	Avg FTES FTEF	22.51	18.08	20.31	18.28
	Avg WSCH FTEF	675	544	609	550
NHIS-15	# of Sections	5	5	4	5
	Enrollment	59	58	24	55
	FTES	5.5	5.4	2.2	5.4
	FTEF	0.40	0.40	0.20	0.40
	WSCH	165	162	66	162
	Avg Enrl/Section	12	12	6	11
	Avg FTES FTEF	11.25	7.75	3.50	7.00
	Avg WSCH FTEF	338	233	105	210
PHSC-1	# of Sections	1	1	1	1
	Enrollment	23	13	23	21
	FTES	3.4	2.4	4.0	4.2
	FTEF	0.35	0.35	0.35	0.35
	WSCH	102	72	120	126
	Avg Enrl/Section	23	13	23	21

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	Avg FTES FTEF	9.71	6.86	11.43	12.00	9.14
	Avg WSCH FTEF	291	206	343	360	274
PHY-1	# of Sections	12	10	10	10	12
	Enrollment	416	336	317	335	365
	FTES	91.6	72.3	70.6	75.8	84.5
	FTEF	3.40	2.57	2.57	2.57	3.14
	WSCH	2,747	2,170	2,118	2,273	2,534
	Avg Enrl/Section	35	34	32	34	30
	Avg FTES FTEF	33.95	35.18	34.32	36.94	33.40
	Avg WSCH FTEF	1,020	1,055	1,031	1,110	1,002
PHYS-2A	# of Sections	4	4	4	4	5
	Enrollment	100	105	90	85	119
	FTES	18.8	19.4	16.6	16.8	21.6
	FTEF	1.00	1.00	1.00	1.00	1.00
	WSCH	564	582	498	504	644
	Avg Enrl/Section	25	26	23	21	24
	Avg FTES FTEF	22.76	23.57	18.52	18.48	20.10
	Avg WSCH FTEF	683	707	556	554	603
PHYS-2B	# of Sections	2	2	2	2	2
	Enrollment	35	38	31	30	33
	FTES	7.0	7.4	5.4	6.0	6.6
	FTEF	0.50	0.50	0.50	0.50	0.50
	WSCH	210	222	162	180	198
	Avg Enrl/Section	18	19	16	15	17
	Avg FTES FTEF	17.24	18.19	14.95	13.14	16.29
	Avg WSCH FTEF	517	546	449	394	489
PHYS-4A	# of Sections	2	2	2	2	3
	Enrollment	71	64	61	55	56
	FTES	12.8	12.0	11.8	10.8	10.6
	FTEF	0.50	0.50	0.50	0.50	0.65
	WSCH	384	360	354	324	318
	Avg Enrl/Section	36	32	31	28	19
	Avg FTES FTEF	30.10	29.33	28.67	28.76	22.54
	Avg WSCH FTEF	903	880	860	863	676
PHYS-4B	# of Sections	1	1	1	1	1
	Enrollment	31	28	27	36	33
	FTES	5.8	5.4	5.4	6.6	6.4
	FTEF	0.35	0.35	0.35	0.35	0.35
	WSCH	174	162	162	198	192
	Avg Enrl/Section	31	28	27	36	33
	Avg FTES FTEF	16.57	15.43	15.43	18.86	18.29
	Avg WSCH FTEF	497	463	463	566	549
PHYS-4C	# of Sections	1	1	1	1	1
	Enrollment	17	21	18	22	16
	FTES	3.4	4.2	3.6	4.4	3.2
	FTEF	0.35	0.35	0.35	0.35	0.35
	WSCH	102	126	108	132	96

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### Course Statistics

	Avg Enrl/Section	17	21	18	22	16
	Avg FTES FTEF	9.71	12.00	10.29	12.57	9.14
	Avg WSCH FTEF	291	360	309	377	274
ZOOL-1	# of Sections	2	2	2	2	2
	Enrollment	71	72	63	62	68
	FTES	16.0	17.9	14.9	15.7	16.8
	FTEF	0.87	0.87	0.87	0.87	0.87
	WSCH	480	536	448	472	504
	Avg Enrl/Section	36	36	32	31	34
	Avg FTES FTEF	18.46	20.62	17.23	18.15	19.39
	Avg WSCH FTEF	554	619	517	545	582
Grand Total	# of Sections	221	203	202	187	203
	Enrollment	4,054	3,752	3,683	3,572	3,727
	FTES	964.1	848.3	817.4	811.5	849.3
	FTEF	47.82	44.39	43.49	42.03	42.88
	WSCH	29,082	25,605	24,636	24,762	25,654
	Avg Enrl/Section	18	18	18	19	18
	Avg FTES FTEF	21.51	20.71	20.12	20.90	21.22
	Avg WSCH FTEF	649	625	607	638	641

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Success and Retention

Course Name	Title		Academic Year				
			2012-13	2013-14	2014-15	2015-16	2016-17
AGAS-19	Principles of Animal Science	Success	78.57%	81.67%	80.33%	79.37%	81.52%
		Retention	94.64%	90.00%	93.44%	88.89%	93.48%
AGEH-33	Environmental Horticulture	Success	44.44%	57.45%	59.52%	63.41%	68.60%
		Retention	82.22%	78.72%	80.95%	82.93%	83.72%
AGNR-60	Environmental Science	Success	77.19%	64.93%	64.18%	69.51%	73.98%
		Retention	90.94%	91.42%	86.94%	91.06%	86.99%
AGPS-20	Plant Science	Success	91.30%	77.27%	75.86%	76.67%	82.14%
		Retention	95.65%	97.73%	96.55%	80.00%	89.29%
ANAT-1	Human Anatomy	Success	60.62%	63.98%	57.82%	57.30%	50.91%
		Retention	75.91%	81.27%	71.51%	68.82%	60.78%
ASTR-1	Astronomy	Success	55.47%	52.45%	58.57%	67.38%	62.14%
		Retention	78.63%	80.75%	77.29%	88.65%	83.50%
BIOL-1	Principles of Biology	Success	85.94%	88.24%	87.04%	83.33%	91.11%
		Retention	89.06%	92.16%	90.74%	85.71%	95.56%
BIOL-5	Introduction to Human Biology	Success	70.26%	71.33%	71.78%	63.52%	57.58%
		Retention	90.52%	87.81%	86.72%	81.97%	76.86%
BIOL-6	Intro to Human Biology Lab	Success	80.72%	77.70%	86.92%	63.30%	51.39%
		Retention	87.95%	89.93%	91.59%	86.24%	72.22%
BIOL-10	General Biology	Success	80.71%	82.68%	80.14%	76.82%	80.89%
		Retention	92.28%	93.76%	91.59%	92.05%	93.33%
BIOL-11	Diversity of Life	Success	80.30%	70.97%	76.85%	82.47%	87.25%
		Retention	91.41%	90.32%	89.81%	87.63%	91.18%
BIOL-12	Field Biology	Success					88.89%
		Retention					100.00%
BOT-1	General Botany	Success	85.29%	84.75%	75.93%	74.07%	82.46%
		Retention	88.24%	93.22%	88.89%	83.33%	92.98%
BOT-50	Wildflowers of California	Success				45.45%	
		Retention				77.27%	
CHEM-1A	General Chemistry	Success	66.52%	68.47%	62.37%	61.40%	67.42%
		Retention	81.50%	80.63%	77.84%	76.28%	81.00%
CHEM-1B	General Chemistry	Success	79.78%	88.51%	78.87%	84.15%	87.14%
		Retention	87.64%	94.25%	91.55%	91.46%	98.57%
CHEM-2A	Introduction to Chemistry	Success	59.23%	65.79%	66.11%	66.61%	61.33%
		Retention	79.03%	81.18%	83.61%	82.21%	79.17%
CHEM-2B	Intro to Organic and Biochem	Success	70.33%	84.29%	76.92%	85.19%	78.69%
		Retention	89.01%	98.57%	84.62%	92.59%	88.52%
CHEM-26	Fund/Gen, Organic & Biochemist	Success	73.33%	52.63%	54.55%		
		Retention	86.67%	78.95%	72.73%		
CHEM-70	Organic Chemistry	Success	80.00%	68.97%	93.55%	78.57%	52.63%
		Retention	94.29%	79.31%	93.55%	89.29%	73.68%
CHEM-70A	Organic Chemistry Laboratory	Success	88.24%	79.31%	96.55%	84.62%	77.14%
		Retention	94.12%	79.31%	96.55%	88.46%	80.00%
CHEM-71	Organic Chemistry	Success	82.61%	100.00%	84.00%	93.75%	93.33%
		Retention	91.30%	100.00%	92.00%	100.00%	100.00%
CHEM-71A	Organic Chemistry Laboratory	Success	86.36%	100.00%	95.65%	100.00%	100.00%
		Retention	90.91%	100.00%	95.65%	100.00%	100.00%
ESCI-1	Physical Geology	Success	75.00%	88.89%	88.89%	73.91%	70.00%
		Retention	86.36%	96.30%	94.44%	86.96%	75.00%
ESCI-6	Ancient Life	Success	66.67%	75.00%	75.44%	77.36%	69.64%
		Retention	91.23%	89.71%	89.47%	88.68%	85.71%

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Success and Retention

ESCI-7	Intro to Geology of California	Success					80.00%	
		Retention					100.00%	
ESCI-8	Planetary Geology	Success					53.66%	70.83%
		Retention					92.68%	90.28%
ESCI-9	Earthquakes/Volcanoes/Geol Haz	Success	64.41%	59.52%	49.62%	48.55%	70.92%	
		Retention	83.05%	83.33%	77.86%	73.91%	83.69%	
ESCI-10	Environmental Geology	Success					100.00%	87.50%
		Retention					100.00%	100.00%
ESCI-12	General Earth Science	Success	79.66%	88.89%	94.44%	75.00%	79.37%	
		Retention	98.31%	94.44%	100.00%	91.67%	92.06%	
ESCI-15	Oceanography	Success	86.89%	85.07%	71.64%	70.42%	58.73%	
		Retention	96.72%	92.54%	85.07%	87.32%	84.13%	
ESCI-17	Earth System Science	Success	63.64%	69.57%			67.74%	
		Retention	90.91%	95.65%			87.10%	
ESCI-18	Glob Climate-Past/Prsnt/Future	Success	69.35%	71.74%	63.83%	45.95%		
		Retention	88.71%	93.48%	80.85%	72.97%		
ESCI-34	Geology of Modoc Plateau	Success					76.19%	
		Retention					95.24%	
ESCI-35	Geology of Lassen Volcanic Prk	Success	88.46%			55.56%		
		Retention	88.46%			66.67%		
ESCI-36	Geology of Mt. Shasta/Vicinity	Success			63.64%			
		Retention			90.91%			
ESCI-37	Geology of No. California Coast	Success			63.89%	100.00%		
		Retention			80.56%	100.00%		
ESCI-38	Geol Pt. Reyes Natl Seashore	Success	78.57%			65.00%		
		Retention	96.43%			85.00%		
FSS-25	Nutrition	Success	70.05%	71.60%	70.53%	70.90%	73.86%	
		Retention	85.70%	89.01%	89.21%	87.30%	90.62%	
GEOG-1A	Physical Geography	Success	79.31%	57.14%	75.00%	70.59%	75.53%	
		Retention	82.76%	78.57%	79.17%	80.88%	90.43%	
GEOG-1AL	Physical Geography Lab	Success					85.71%	
		Retention					100.00%	
GEOG-10	Intro to Geographic Info Syst	Success			83.33%	72.73%	86.67%	82.35%
		Retention			88.89%	77.27%	86.67%	82.35%
GEOG-21	GIS-CAD Integration	Success					91.67%	
		Retention					91.67%	
GEOG-25	GIS Projects	Success			85.71%	90.00%	78.95%	
		Retention			85.71%	100.00%	84.21%	
MICR-1	Microbiology	Success	66.67%	69.43%	68.25%	63.40%	71.78%	
		Retention	75.62%	75.13%	78.31%	71.65%	77.91%	
NHIS-15	Natural History	Success	74.55%	83.33%	72.73%			
		Retention	87.27%	98.15%	86.36%			
	Natural History of California	Success					78.18%	81.36%
		Retention					90.91%	94.92%
PHSC-1	Physical Science Survey	Success	52.94%	100.00%	70.00%	66.67%	75.00%	
		Retention	82.35%	100.00%	85.00%	80.95%	93.75%	
PHY-1	Physiology	Success	67.95%	71.84%	67.11%	58.91%	55.47%	
		Retention	82.05%	84.47%	80.59%	70.69%	70.93%	
PHYS-2A	General College Physics	Success	77.42%	69.07%	73.49%	71.43%	71.68%	
		Retention	89.25%	77.32%	90.36%	82.14%	76.99%	
PHYS-2B	General College Physics	Success	94.29%	91.89%	96.43%	90.00%	91.18%	
		Retention	97.14%	97.30%	96.43%	93.33%	100.00%	

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Success and Retention

PHYS-4A	Physics (Mechanics)	Success	58.46%	65.00%	74.58%	68.52%	70.37%
		Retention	69.23%	93.33%	84.75%	81.48%	87.04%
PHYS-4B	Physics (electricity/Magnetism)	Success		100.00%	92.59%	87.88%	87.50%
		Retention		100.00%	92.59%	90.91%	90.63%
	Physics (Electricity/Magnetism)	Success	86.21%	92.31%			
		Retention	93.10%	96.15%			
PHYS-4C	Physics-Heat/Wvs/Optcs/Mod Phy	Success			100.00%	95.45%	81.25%
		Retention			100.00%	95.45%	93.75%
	Physics-Waves/Mod/Quan Mech	Success	100.00%	90.48%			
		Retention	100.00%	90.48%			
ZOO-1	General Zoology	Success	77.59%	66.67%	71.43%	68.33%	71.88%
		Retention	84.48%	72.73%	76.79%	78.33%	79.69%
Grand Total		Success	70.04%	71.31%	70.06%	68.56%	68.90%
		Retention	85.09%	86.60%	85.04%	83.04%	82.96%

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Program Awards

Award Type	Program Type - TOP61	2012-13	2013-14	2014-15	2015-16	2016-17
Associate of Science (A.S.) degree	Biological and Physical Sciences (and Mathematics)-490200	29	31	24	22	33
Grand Total		29	31	24	22	33