

# FHDA Program Review

## Limits:

Physical Sciences/Math/Engin > Chemistry-FD

### Enrollment Trends

Physical Sciences/Math/Engin > Chemistry-FD

	2014-15	2015-16	2016-17	2017-18	2018-19	5-yr %Inc
↗Unduplicated Headcount	1,874	1,832	1,869	1,870	1,980	5.7%
↗Census Enrollment	2,817	2,846	2,893	2,886	3,023	7.3%
↗Sections	107	105	110	105	113	5.6%
↗WSCH	7,727	7,817	7,909	7,899	8,246	6.7%
↗FTES (end of term)	521	527	532	531	555	6.5%
↗FTEF (end of term)	15.4	15.7	15.9	15.8	16.5	6.8%
↗Productivity (WSCH/FTEF)	501	499	498	501	501	-0.1%

### Faculty Workload

Physical Sciences/Math/Engin > Chemistry-FD

	2014-15	2015-16	2016-17	2017-18	2018-19	5-yr %Inc
Full Time Load	4.3	5.8	4.7	3.9	5.4	26%
Full Time %	27.8%	37.0%	29.8%	25.0%	32.7%	18%
Overload	2.4	3.4	3.3	1.8	2.1	-11%
Overload %	15.3%	21.7%	20.8%	11.7%	12.7%	-17%
Part Time Load	8.8	6.5	7.8	10.0	9.0	2%
Part Time %	56.9%	41.3%	49.5%	63.3%	54.6%	-4%
Total FTEF	15.4	15.7	15.9	15.8	16.5	7%

### Course Success

Physical Sciences/Math/Engin > Chemistry-FD

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	2,240	80%	2,283	80%	2,245	78%	2,194	76%	2,301	76%
Non Success	314	11%	303	11%	312	11%	333	12%	370	12%
Withdrew	263	9%	260	9%	336	12%	359	12%	349	12%
Total	2,817	100%	2,846	100%	2,893	100%	2,886	100%	3,020	100%

## Course Success for Targeted Groups

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Success</b>	459	68%	547	72%	553	66%	552	64%	508	59%
<b>Non Success</b>	117	17%	115	15%	147	17%	142	17%	169	20%
<b>Withdrew</b>	101	15%	93	12%	141	17%	164	19%	180	21%
<b>Total</b>	677	100%	755	100%	841	100%	858	100%	857	100%

## Course Success for Non Targeted Groups

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Success</b>	1,781	83%	1,736	83%	1,692	82%	1,642	81%	1,793	83%
<b>Non Success</b>	197	9%	188	9%	165	8%	191	9%	201	9%
<b>Withdrew</b>	162	8%	167	8%	195	10%	195	10%	169	8%
<b>Total</b>	2,140	100%	2,091	100%	2,052	100%	2,028	100%	2,163	100%

## by Gender

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Female	1,396	50%	1,408	49%	1,508	52%	1,578	55%	1,714	57%
Male	1,421	50%	1,438	51%	1,385	48%	1,308	45%	1,306	43%
Non-Binary	0	0%	0	0%	0	0%	0	0%	3	0%
<b>Total</b>	<b>2,817</b>	<b>100%</b>	<b>2,846</b>	<b>100%</b>	<b>2,893</b>	<b>100%</b>	<b>2,886</b>	<b>100%</b>	<b>3,023</b>	<b>100%</b>

## by Ethnicity

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
African American	63	2%	84	3%	96	3%	73	3%	67	2%
Asian	1,660	59%	1,626	57%	1,584	55%	1,503	52%	1,616	53%
Filipinx	239	8%	246	9%	244	8%	193	7%	232	8%
Latinx	375	13%	425	15%	501	17%	592	21%	559	18%
Native American	9	0%	5	0%	8	0%	7	0%	6	0%
Pacific Islander	15	1%	13	0%	5	0%	12	0%	8	0%
White	410	15%	395	14%	409	14%	478	17%	505	17%
Decline to State	46	2%	52	2%	46	2%	28	1%	30	1%
<b>Total</b>	<b>2,817</b>	<b>100%</b>	<b>2,846</b>	<b>100%</b>	<b>2,893</b>	<b>100%</b>	<b>2,886</b>	<b>100%</b>	<b>3,023</b>	<b>100%</b>

## by Age

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
19 or less	766	27%	739	26%	592	20%	659	23%	954	32%
20-24	1,682	60%	1,765	62%	1,919	66%	1,785	62%	1,627	54%
25-39	334	12%	326	11%	351	12%	405	14%	417	14%
40 +	35	1%	16	1%	31	1%	37	1%	25	1%
<b>Total</b>	<b>2,817</b>	<b>100%</b>	<b>2,846</b>	<b>100%</b>	<b>2,893</b>	<b>100%</b>	<b>2,886</b>	<b>100%</b>	<b>3,023</b>	<b>100%</b>

## by Education Level

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Bachelor or higher	90	3%	51	2%	89	3%	85	3%	119	4%
Associate	47	2%	44	2%	50	2%	72	2%	56	2%
HS/Equivalent	2,533	90%	2,570	90%	2,585	89%	2,552	88%	2,664	88%
All Other	147	5%	181	6%	169	6%	177	6%	184	6%
<b>Total</b>	<b>2,817</b>	<b>100%</b>	<b>2,846</b>	<b>100%</b>	<b>2,893</b>	<b>100%</b>	<b>2,886</b>	<b>100%</b>	<b>3,023</b>	<b>100%</b>

Some courses may continue to be listed but no longer have data due to renumbering or because the course was not offered in the past five years.

Success Rates by Gender  
Physical Sciences/Math/Engin > Chemistry-FD

		2018-19							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Female</b>		1,304	76%	208	12%	201	12%	1,713	100%
<b>Male</b>		995	76%	161	12%	148	11%	1,304	100%
<b>Non-Binary</b>		2	67%	1	33%	0	0%	3	100%
<b>All</b>		2,301	76%	370	12%	349	12%	3,020	100%

  

		2017-18							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Female</b>		1,222	77%	179	11%	177	11%	1,578	100%
<b>Male</b>		972	74%	154	12%	182	14%	1,308	100%
<b>Non-Binary</b>		0	N/A	0	N/A	0	N/A	0	100%
<b>All</b>		2,194	76%	333	12%	359	12%	2,886	100%

  

		2016-17							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Female</b>		1,137	75%	175	12%	196	13%	1,508	100%
<b>Male</b>		1,108	80%	137	10%	140	10%	1,385	100%
<b>Non-Binary</b>		0	N/A	0	N/A	0	N/A	0	100%
<b>All</b>		2,245	78%	312	11%	336	12%	2,893	100%

  

		2015-16							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Female</b>		1,127	80%	167	12%	114	8%	1,408	100%
<b>Male</b>		1,156	80%	136	9%	146	10%	1,438	100%
<b>Non-Binary</b>		0	N/A	0	N/A	0	N/A	0	100%
<b>All</b>		2,283	80%	303	11%	260	9%	2,846	100%

  

		2014-15							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>Female</b>		1,120	80%	153	11%	123	9%	1,396	100%
<b>Male</b>		1,120	79%	161	11%	140	10%	1,421	100%
<b>Non-Binary</b>		0	N/A	0	N/A	0	N/A	0	100%
<b>All</b>		2,240	80%	314	11%	263	9%	2,817	100%

		2018-19							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>19 or less</b>		781	82%	85	9%	87	9%	953	100%
<b>20-24</b>		1,216	75%	228	14%	181	11%	1,625	100%
<b>25-39</b>		286	69%	55	13%	76	18%	417	100%
<b>40 +</b>		18	72%	2	8%	5	20%	25	100%
<b>All</b>		2,301	76%	370	12%	349	12%	3,020	100%

  

		2017-18							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>19 or less</b>		546	83%	60	9%	53	8%	659	100%
<b>20-24</b>		1,338	75%	225	13%	222	12%	1,785	100%
<b>25-39</b>		280	69%	45	11%	80	20%	405	100%
<b>40 +</b>		30	81%	3	8%	4	11%	37	100%
<b>All</b>		2,194	76%	333	12%	359	12%	2,886	100%

  

		2016-17							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>19 or less</b>		498	84%	54	9%	40	7%	592	100%
<b>20-24</b>		1,457	76%	217	11%	245	13%	1,919	100%
<b>25-39</b>		267	76%	40	11%	44	13%	351	100%
<b>40 +</b>		23	74%	1	3%	7	23%	31	100%
<b>All</b>		2,245	78%	312	11%	336	12%	2,893	100%

  

		2015-16							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>19 or less</b>		627	85%	66	9%	46	6%	739	100%
<b>20-24</b>		1,391	79%	198	11%	176	10%	1,765	100%
<b>25-39</b>		253	78%	38	12%	35	11%	326	100%
<b>40 +</b>		12	75%	1	6%	3	19%	16	100%
<b>All</b>		2,283	80%	303	11%	260	9%	2,846	100%

  

		2014-15							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
<b>19 or less</b>		656	86%	60	8%	50	7%	766	100%
<b>20-24</b>		1,297	77%	216	13%	169	10%	1,682	100%
<b>25-39</b>		258	77%	35	10%	41	12%	334	100%
<b>40 +</b>		29	83%	3	9%	3	9%	35	100%
<b>All</b>		2,240	80%	314	11%	263	9%	2,817	100%

	2018-19							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	36	54%	15	22%	16	24%	67	100%
Asian	1,365	85%	133	8%	116	7%	1,614	100%
Filipinx	164	71%	32	14%	36	16%	232	100%
Latinx	308	55%	122	22%	128	23%	558	100%
Native American	5	83%	1	17%	0	0%	6	100%
Pacific Islander	1	13%	6	75%	1	13%	8	100%
White	397	79%	58	11%	50	10%	505	100%
Decline to State	25	83%	3	10%	2	7%	30	100%
All	2,301	76%	370	12%	349	12%	3,020	100%

  

	2017-18							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	52	71%	12	16%	9	12%	73	100%
Asian	1,232	82%	143	10%	128	9%	1,503	100%
Filipinx	152	79%	17	9%	24	12%	193	100%
Latinx	348	59%	113	19%	131	22%	592	100%
Native American	4	57%	2	29%	1	14%	7	100%
Pacific Islander	8	67%	1	8%	3	25%	12	100%
White	375	78%	43	9%	60	13%	478	100%
Decline to State	23	82%	2	7%	3	11%	28	100%
All	2,194	76%	333	12%	359	12%	2,886	100%

  

	2016-17							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	66	69%	17	18%	13	14%	96	100%
Asian	1,309	83%	139	9%	136	9%	1,584	100%
Filipinx	174	71%	41	17%	29	12%	244	100%
Latinx	313	62%	89	18%	99	20%	501	100%
Native American	7	88%	1	13%	0	0%	8	100%
Pacific Islander	3	60%	1	20%	1	20%	5	100%
White	332	81%	22	5%	55	13%	409	100%
Decline to State	41	89%	2	4%	3	7%	46	100%
All	2,245	78%	312	11%	336	12%	2,893	100%

  

	2015-16							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	60	71%	16	19%	8	10%	84	100%
Asian	1,350	83%	150	9%	126	8%	1,626	100%
Filipinx	185	75%	28	11%	33	13%	246	100%
Latinx	302	71%	71	17%	52	12%	425	100%
Native American	5	100%	0	0%	0	0%	5	100%
Pacific Islander	7	54%	3	23%	3	23%	13	100%
White	330	84%	31	8%	34	9%	395	100%
Decline to State	44	85%	4	8%	4	8%	52	100%
All	2,283	80%	303	11%	260	9%	2,846	100%

  

	2014-15							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	39	62%	14	22%	10	16%	63	100%
Asian	1,386	83%	153	9%	121	7%	1,660	100%
Filipinx	185	77%	24	10%	30	13%	239	100%
Latinx	235	63%	79	21%	61	16%	375	100%
Native American	6	67%	2	22%	1	11%	9	100%
Pacific Islander	14	93%	0	0%	1	7%	15	100%
White	341	83%	35	9%	34	8%	410	100%
Decline to State	34	74%	7	15%	5	11%	46	100%
All	2,240	80%	314	11%	263	9%	2,817	100%