

FHDA Program Review

Limits:

Physical Sciences/Math/Engin > Engineering-FD

Enrollment Trends

Physical Sciences/Math/Engin > Engineering-FD

	2014-15	2015-16	2016-17	2017-18	2018-19	5-yr %Inc
↗Unduplicated Headcount	367	438	435	371	298	-18.8%
↗Census Enrollment	394	470	468	393	319	-19.0%
↗Sections	11	15	14	14	11	0.0%
↗WSCH	932	1,144	1,079	922	750	-19.5%
↗FTES (end of term)	62	76	73	62	50	-18.8%
↗FTEF (end of term)	1.6	2.4	2.1	2.1	1.7	5.2%
↗Productivity (WSCH/FTEF)	572	481	505	432	438	-23.5%

Faculty Workload

Physical Sciences/Math/Engin > Engineering-FD

	2014-15	2015-16	2016-17	2017-18	2018-19	5-yr %Inc
Full Time Load	0.0	0.0	0.0	0.0	0.0	N/A
Full Time %	0.0%	0.0%	0.0%	0.0%	0.0%	N/A
Part Time Load	1.6	2.4	2.1	2.1	1.7	5%
Part Time %	100.0%	100.0%	100.0%	100.0%	100.0%	0%
Total FTEF	1.6	2.4	2.1	2.1	1.7	5%

Course Success

Physical Sciences/Math/Engin > Engineering-FD

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	344	87%	411	87%	426	91%	338	86%	287	90%
Non Success	24	6%	30	6%	15	3%	29	7%	14	4%
Withdrew	26	7%	29	6%	27	6%	26	7%	18	6%
Total	394	100%	470	100%	468	100%	393	100%	319	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
Success	70	84%	91	82%	116	91%	103	80%	78	89%
Non Success	9	11%	12	11%	5	4%	16	12%	4	5%
Withdrew	4	5%	8	7%	7	5%	10	8%	6	7%
Total	83	100%	111	100%	128	100%	129	100%	88	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
Success	274	88%	320	89%	310	91%	235	89%	209	90%
Non Success	15	5%	18	5%	10	3%	13	5%	10	4%
Withdrew	22	7%	21	6%	20	6%	16	6%	12	5%
Total	311	100%	359	100%	340	100%	264	100%	231	100%

by Gender

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Female	72	18%	73	16%	80	17%	80	20%	63	20%
Male	322	82%	397	84%	388	83%	313	80%	256	80%
Total	394	100%	470	100%	468	100%	393	100%	319	100%

by Ethnicity

	2014-15		2015-16		2016-17		2017-18		2018-19	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
African American	11	3%	9	2%	17	4%	13	3%	11	3%
Asian	233	59%	263	56%	250	53%	206	52%	157	49%
Filipinx	20	5%	30	6%	35	7%	32	8%	17	5%
Latinx	52	13%	72	15%	76	16%	84	21%	60	19%
Native American	0	0%	2	0%	4	1%	1	0%	0	0%
Pacific Islander	2	1%	4	1%	1	0%	0	0%	1	0%
White	72	18%	79	17%	80	17%	53	13%	64	20%
Decline to State	4	1%	11	2%	5	1%	4	1%	9	3%
Total	394	100%	470	100%	468	100%	393	100%	319	100%

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	78	20%	95	20%	80	17%	73	19%	76	24%
20-24	238	60%	282	60%	300	64%	232	59%	195	61%
25-39	73	19%	91	19%	80	17%	83	21%	47	15%
40 +	5	1%	2	0%	8	2%	5	1%	1	0%
Total	394	100%	470	100%	468	100%	393	100%	319	100%

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	14	4%	14	3%	13	3%	11	3%	7	2%
Associate	10	3%	19	4%	13	3%	14	4%	9	3%
HS/Equivalent	351	89%	395	84%	405	87%	330	84%	271	85%
All Other	19	5%	42	9%	37	8%	38	10%	32	10%
Total	394	100%	470	100%	468	100%	393	100%	319	100%

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 > Engineering-FD

		2018-19							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female		60	95%	0	0%	3	5%	63	100%
Male		227	89%	14	5%	15	6%	256	100%
All		287	90%	14	4%	18	6%	319	100%

		2017-18							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female		69	86%	4	5%	7	9%	80	100%
Male		269	86%	25	8%	19	6%	313	100%
All		338	86%	29	7%	26	7%	393	100%

		2016-17							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female		73	91%	1	1%	6	8%	80	100%
Male		353	91%	14	4%	21	5%	388	100%
All		426	91%	15	3%	27	6%	468	100%

		2015-16							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female		63	86%	5	7%	5	7%	73	100%
Male		348	88%	25	6%	24	6%	397	100%
All		411	87%	30	6%	29	6%	470	100%

		2014-15							
		Success		Non Success		Withdrew		Total	
		Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female		65	90%	2	3%	5	7%	72	100%
Male		279	87%	22	7%	21	7%	322	100%
All		344	87%	24	6%	26	7%	394	100%

	2018-19							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less	69	91%	6	8%	1	1%	76	100%
20-24	175	90%	7	4%	13	7%	195	100%
25-39	42	89%	1	2%	4	9%	47	100%
40 +	1	100%	0	0%	0	0%	1	100%
All	287	90%	14	4%	18	6%	319	100%

	2017-18							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less	62	85%	5	7%	6	8%	73	100%
20-24	199	86%	19	8%	14	6%	232	100%
25-39	73	88%	4	5%	6	7%	83	100%
40 +	4	80%	1	20%	0	0%	5	100%
All	338	86%	29	7%	26	7%	393	100%

	2016-17							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less	70	88%	2	3%	8	10%	80	100%
20-24	276	92%	10	3%	14	5%	300	100%
25-39	74	93%	3	4%	3	4%	80	100%
40 +	6	75%	0	0%	2	25%	8	100%
All	426	91%	15	3%	27	6%	468	100%

	2015-16							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less	83	87%	9	9%	3	3%	95	100%
20-24	251	89%	14	5%	17	6%	282	100%
25-39	75	82%	7	8%	9	10%	91	100%
40 +	2	100%	0	0%	0	0%	2	100%
All	411	87%	30	6%	29	6%	470	100%

	2014-15							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less	72	92%	3	4%	3	4%	78	100%
20-24	209	88%	17	7%	12	5%	238	100%
25-39	62	85%	4	5%	7	10%	73	100%
40 +	1	20%	0	0%	4	80%	5	100%
All	344	87%	24	6%	26	7%	394	100%

	2018-19							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	10	91%	1	9%	0	0%	11	100%
Asian	143	91%	7	4%	7	4%	157	100%
Filipinx	14	82%	0	0%	3	18%	17	100%
Latinx	54	90%	3	5%	3	5%	60	100%
Native American	0	N/A	0	N/A	0	N/A	0	100%
Pacific Islander	1	100%	0	0%	0	0%	1	100%
White	59	92%	1	2%	4	6%	64	100%
Decline to State	6	67%	2	22%	1	11%	9	100%
All	287	90%	14	4%	18	6%	319	100%

	2017-18							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	11	85%	1	8%	1	8%	13	100%
Asian	182	88%	8	4%	16	8%	206	100%
Filipinx	27	84%	3	9%	2	6%	32	100%
Latinx	65	77%	12	14%	7	8%	84	100%
Native American	1	100%	0	0%	0	0%	1	100%
Pacific Islander	0	N/A	0	N/A	0	N/A	0	100%
White	49	92%	4	8%	0	0%	53	100%
Decline to State	3	75%	1	25%	0	0%	4	100%
All	338	86%	29	7%	26	7%	393	100%

	2016-17							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	15	88%	1	6%	1	6%	17	100%
Asian	225	90%	9	4%	16	6%	250	100%
Filipinx	33	94%	1	3%	1	3%	35	100%
Latinx	68	89%	3	4%	5	7%	76	100%
Native American	4	100%	0	0%	0	0%	4	100%
Pacific Islander	1	100%	0	0%	0	0%	1	100%
White	76	95%	1	1%	3	4%	80	100%
Decline to State	4	80%	0	0%	1	20%	5	100%
All	426	91%	15	3%	27	6%	468	100%

	2015-16							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	7	78%	2	22%	0	0%	9	100%
Asian	240	91%	9	3%	14	5%	263	100%
Filipinx	27	90%	1	3%	2	7%	30	100%
Latinx	57	79%	9	13%	6	8%	72	100%
Native American	2	100%	0	0%	0	0%	2	100%
Pacific Islander	2	50%	2	50%	0	0%	4	100%
White	66	84%	7	9%	6	8%	79	100%
Decline to State	10	91%	0	0%	1	9%	11	100%
All	411	87%	30	6%	29	6%	470	100%

	2014-15							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	11	100%	0	0%	0	0%	11	100%
Asian	209	90%	13	6%	11	5%	233	100%
Filipinx	18	90%	1	5%	1	5%	20	100%
Latinx	41	79%	8	15%	3	6%	52	100%
Native American	0	N/A	0	N/A	0	N/A	0	100%
Pacific Islander	0	0%	1	50%	1	50%	2	100%
White	61	85%	1	1%	10	14%	72	100%
Decline to State	4	100%	0	0%	0	0%	4	100%
All	344	87%	24	6%	26	7%	394	100%