

FHDA Program Review

Physical Sciences/Math/Engin > Engineering-FD

Enrollment Trends

Physical Sciences/Math/Engin > Engineering-FD

	2015-16	2016-17	2017-18	2018-19	2019-20	5-yr %Inc
↗Unduplicated Headcount	438	435	371	298	236	-46.1%
↗Census Enrollment	470	468	393	319	258	-45.1%
↗Sections	15	14	14	11	8	-46.7%
↗WSCH	1,144	1,079	922	750	602	-47.3%
↗FTES (end of term)	76	73	62	50	41	-46.8%
↗FTEF (end of term)	2.4	2.1	2.1	1.7	1.2	-48.4%
↗Productivity (WSCH/FTEF)	481	505	432	438	490	2.0%

Faculty Workload

Physical Sciences/Math/Engin > Engineering-FD

	2015-16	2016-17	2017-18	2018-19	2019-20	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	2.4	2.1	2.1	1.7	1.2	-48%
Part Time %	100.0%	100.0%	100.0%	100.0%	100.0%	0%
Total FTEF	2.4	2.1	2.1	1.7	1.2	-48%

Course Success

Physical Sciences/Math/Engin > Engineering-FD

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	411	87%	426	91%	338	86%	287	90%	241	93%
Non Success	30	6%	15	3%	29	7%	14	4%	4	2%
Withdrew	29	6%	27	6%	26	7%	18	6%	13	5%
Total	470	100%	468	100%	393	100%	319	100%	258	100%

Course Success for African American, Latinx, and Filipinx Students

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	91	82%	116	91%	103	80%	78	89%	81	94%
Non Success	12	11%	5	4%	16	12%	4	5%	1	1%
Withdrew	8	7%	7	5%	10	8%	6	7%	4	5%
Total	111	100%	128	100%	129	100%	88	100%	86	100%

Course Success for Asian, Native American, Pacific Islander, White, and Decline to State Students

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Success	320	89%	310	91%	235	89%	209	90%	160	93%
Non Success	18	5%	10	3%	13	5%	10	4%	3	2%
Withdrew	21	6%	20	6%	16	6%	12	5%	9	5%
Total	359	100%	340	100%	264	100%	231	100%	172	100%

by Gender

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Female	69	15%	78	17%	79	20%	62	19%	37	14%
Male	397	84%	388	83%	313	80%	256	80%	220	85%
Not Reported	4	1%	2	0%	1	0%	1	0%	1	0%
Total	470	100%	468	100%	393	100%	319	100%	258	100%

by Ethnicity

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
African American	9	2%	17	4%	13	3%	11	3%	9	3%
Asian	263	56%	250	53%	206	52%	157	49%	106	41%
Filipinx	30	6%	35	7%	32	8%	17	5%	15	6%
Latinx	72	15%	76	16%	84	21%	60	19%	62	24%
Native American	2	0%	4	1%	1	0%	0	0%	1	0%
Pacific Islander	4	1%	1	0%	0	0%	1	0%	0	0%
White	79	17%	80	17%	53	13%	64	20%	61	24%
Decline to State	11	2%	5	1%	4	1%	9	3%	4	2%
Total	470	100%	468	100%	393	100%	319	100%	258	100%

by Age

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
19 or less	95	20%	80	17%	73	19%	76	24%	53	21%
20-24	282	60%	300	64%	232	59%	195	61%	165	64%
25-39	91	19%	80	17%	83	21%	47	15%	39	15%
40 +	2	0%	8	2%	5	1%	1	0%	1	0%
Total	470	100%	468	100%	393	100%	319	100%	258	100%

by Education Level

	2015-16		2016-17		2017-18		2018-19		2019-20	
	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent	Enr	Percent
Bachelor or higher	14	3%	13	3%	11	3%	7	2%	5	2%
Associate	19	4%	13	3%	14	4%	9	3%	12	5%
HS/Equivalent	395	84%	405	87%	330	84%	271	85%	229	89%
All Other	42	9%	37	8%	38	10%	32	10%	12	5%
Total	470	100%	468	100%	393	100%	319	100%	258	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

2019-20

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female	34	92%	0	0%	3	8%	37	100%
Male	206	94%	4	2%	10	5%	220	100%
Not Reported	1	100%	0	0%	0	0%	1	100%
All	241	93%	4	2%	13	5%	258	100%

2018-19

	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
Female	59	95%	0	0%	3	5%	62	100%
Male	227	89%	14	5%	15	6%	256	100%
Not Reported	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
Female	68	86%	4	5%	7	9%	79	100%
Male	269	86%	25	8%	19	6%	313	100%
Not Reported	1	100%	0	0%	0	0%	1	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	72	92%	0	0%	6	8%	78	100%
Male	353	91%	14	4%	21	5%	388	100%
Not Reported	1	50%	1	50%	0	0%	2	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	59	86%	5	7%	5	7%	69	100%
Male	348	88%	25	6%	24	6%	397	100%
Not Reported	4	100%	0	0%	0	0%	4	100%
All	411	87%	30	6%	29	6%	470	100%

	2019-20							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
19 or less	47	89%	1	2%	5	9%	53	100%
20-24	157	95%	2	1%	6	4%	165	100%
25-39	36	92%	1	3%	2	5%	39	100%
40 +	1	100%	0	0%	0	0%	1	100%
All	241	93%	4	2%	13	5%	258	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%

	2019-20							
	Success		Non Success		Withdrew		Total	
	Grades	Percent	Grades	Percent	Grades	Percent	Grades	Percent
African American	9	100%	0	0%	0	0%	9	100%
Asian	102	96%	1	1%	3	3%	106	100%
Filipinx	13	87%	0	0%	2	13%	15	100%
Latinx	59	95%	1	2%	2	3%	62	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	53	87%	2	3%	6	10%	61	100%
Decline to State	4	100%	0	0%	0	0%	4	100%
All	241	93%	4	2%	13	5%	258	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%