

De Anza College Office of Institutional Research, Planning & Accreditation

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Date: 11/02/23

Subject: Kinesiology Student Demographics and Course Outcomes, 2018-19 to 2022-23

Overview:

Physical Education and Athletics division inquired about the enrollment of its Kinesiology major students, particularly their demographics, course success, course retention, term-to-term persistence and course unit load compared to non-Kinesiology major students.

Methodology:

The analyses in this report retrieved the data of students enrolled between 2018-19 and 2022-23 (past 5 academic years, including summer) and their current primary major. Students whose primary major is currently Kinesiology for Transfer were grouped to “Kinesiology” and the remaining majors were grouped to “Other Major.” The current major¹ was used for this report even if a student had a different major between 2018-19 and 2022-23. Data for each year is provided and the reported findings focus on the aggregate of the five years being examined.

Summary:

Headcount

- About 535 distinct Kinesiology students enrolled each year, with headcounts ranging from 607 in 2018-19 to 469 in 2022-23.
- More than half (55%) of Kinesiology students switched their major at least once.
 - 45% declared Kinesiology for Transfer as their only primary major
 - 29% had one other major
 - 26% had at least two other majors

Demographics

- A majority of Kinesiology students were under the age of 25 (80%), and most were between the ages of 20 to 24 (43%), followed by 19 or younger (37%).
- Kinesiology students skewed male (63%), and comprised mostly of Latinx (36%) and Asian (26%).
- Higher proportions of Kinesiology students are Black (6%), Filipinx (14%) or Latinx (36%) than compared to Other Major students, 4%, 6% and 25%, respectively.

¹ The primary major is current as of October 25, 2023. A few students enrolled at De Anza College but their primary major is assigned to Foothill College. This report did not differentiate college major codes and grouped De Anza/Foothill’s Kinesiology for Transfer major together.

- Over half (52%) of Kinesiology students are low income with an annual household income of \$50,000 or less, and nearly one-third are first-generation college students (31%).
- A majority of Kinesiology students' want to transfer to a four-year institution (74%).
- A higher proportion of Kinesiology students received Pell Grant (14%) or Other Aid in the form of scholarships, loans, etc. (25%) than compared to Other Major students, 12% and 19%, respectively.
- About 6% of Kinesiology students were also students from a special program, notably DSPS and Veterans. Additionally, 9% of Kinesiology students participated in a learning community with most enrolling in MPS and Civic Engagement sections.

Course Unit Load and Course Enrollment

- Black, Filipinx and Latinx Kinesiology students' course unit load was higher than their other ethnicity counterpart. Recently in fall 2022, Black, Filipinx and Latinx Kinesiology students' course load averaged 11.5 units, whereas all other ethnicities averaged 9.2 units.
- Kinesiology student most enrolled courses are from departments such as Math, English, Psychology, Humanities, Communication Studies, Biology, Nutrition, Political Science and Kinesiology.

Course Success

- The course success rates of Kinesiology students trailed Other Major students by three to four percentage points across all instructional modalities.
- The overall course success rate for Kinesiology students was 76%, with the highest rate observed in face-to-face (77%), followed by hybrid (76%) and online (75%) sections.
- When examined by ethnicity, Asian (82%), White (78%) and Filipinx (76%) Kinesiology students' had the highest course success rates.

Course Retention

- The overall course retention rate for Kinesiology students was 89%, with the highest rate observed in face-to-face and hybrid sections (90%). Other Major students' overall course retention rate was 90%.
- Asian (91%), Filipinx (90%), White (89%) and Latinx (89%) Kinesiology students had the highest course retention rates.

Term-to-Term Persistence

- Kinesiology students' fall-to-spring persistence rate (56%) trailed Other Major students (59%). For both groups, their fall-to-spring persistence rates have declined from 60% since 2020-21.
- The enrollment drop off, for both groups, occurred between fall and winter terms with persistence rate at about 72%, whereas their winter-to-spring persistence rate was higher at about 82%.

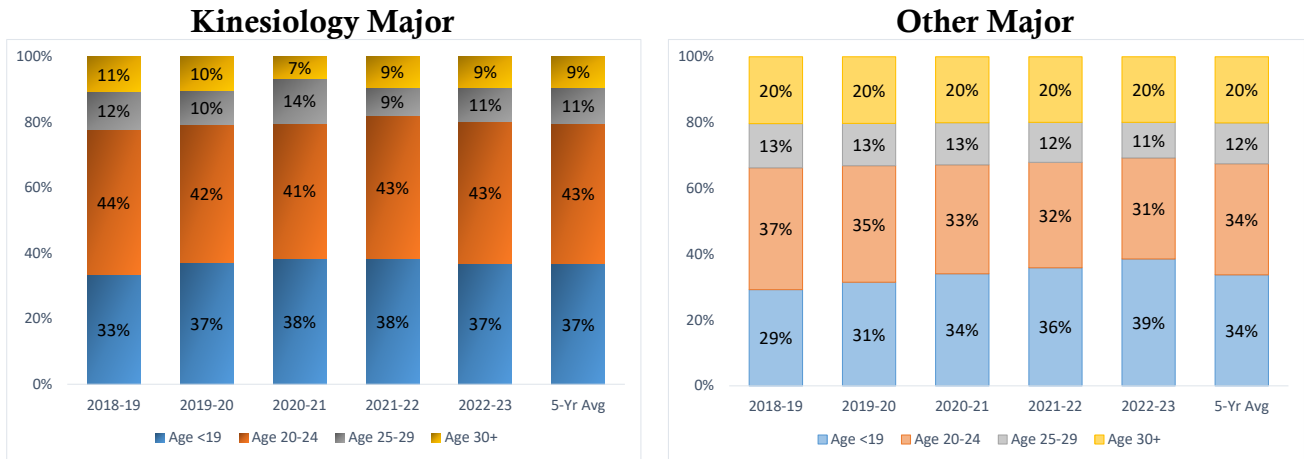
Demographics²

Age

- Kinesiology students skew younger with 80% below the age of 25, most of whom are between the ages of 20 to 24 (43%), followed by 19 or younger (37%).
- In comparison, 68% of Other Major students are below the age of 25.

Figure 1:

Age Distribution

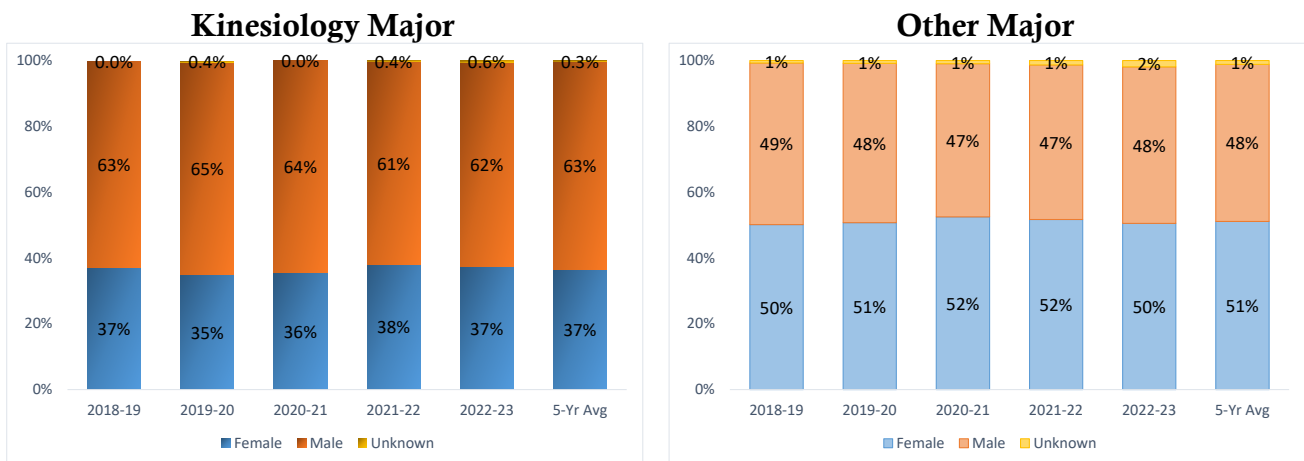


Gender

- Kinesiology students skew male (63%), whereas Other Major students have slightly more female (51%) representation than male (48%).

Figure 2:

Gender Distribution

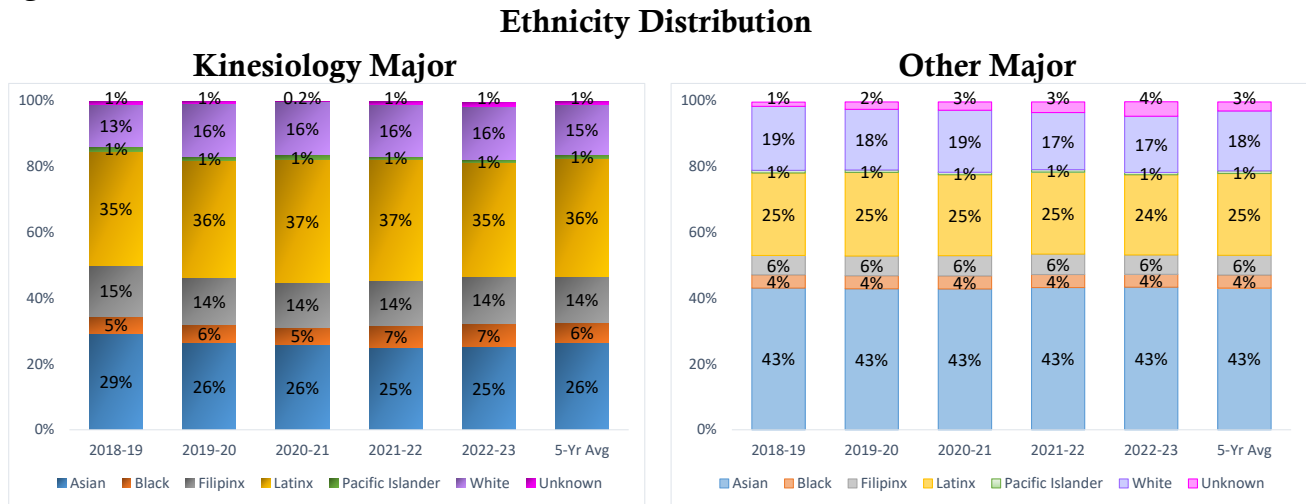


² The five-year average headcount for Kinesiology students was 535; and for Other Major students was 27,823.

Ethnicity

- Most Kinesiology students are Latinx (36%) and Asian (26%).
- Kinesiology have higher proportions of Black (6%), Filipinx (14%) and Latinx (36%) students than compared to Other Major students, 4%, 6% and 25%, respectively.
- Additionally, Kinesiology have lower proportions of Asian (26%) and White (15%) students than compared to Other Major students, 43% and 18%, respectively.

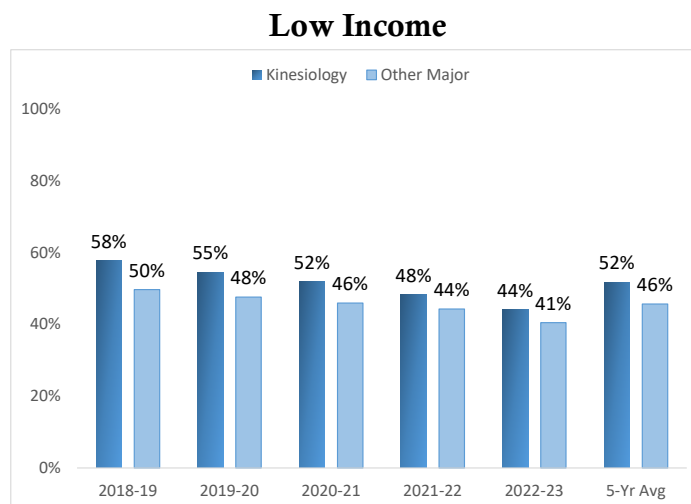
Figure 3:



Low Income

- A little over half (52%) of Kinesiology students self-reported they are low income with an annual household income of \$50,000 or less.
- In comparison, 46% of Other Major students are from low-income households.

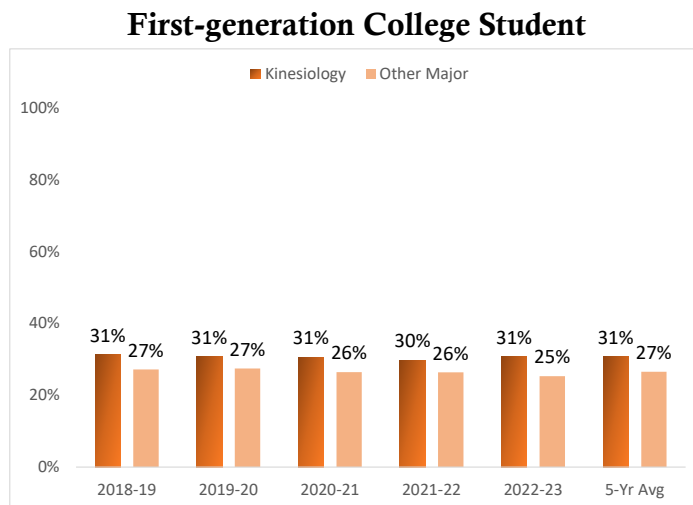
Figure 4:



First-generation College

- Nearly one-third of Kinesiology students are first-generation college students (31%), having parents/legal guardians whose highest educational attainment was high school or less.
- Nearly one-third of Kinesiology students are first-generation college students (31%), having parents/legal guardians whose completed high school or less.
- In comparison, 27% of Other Major students are first-generation college students.

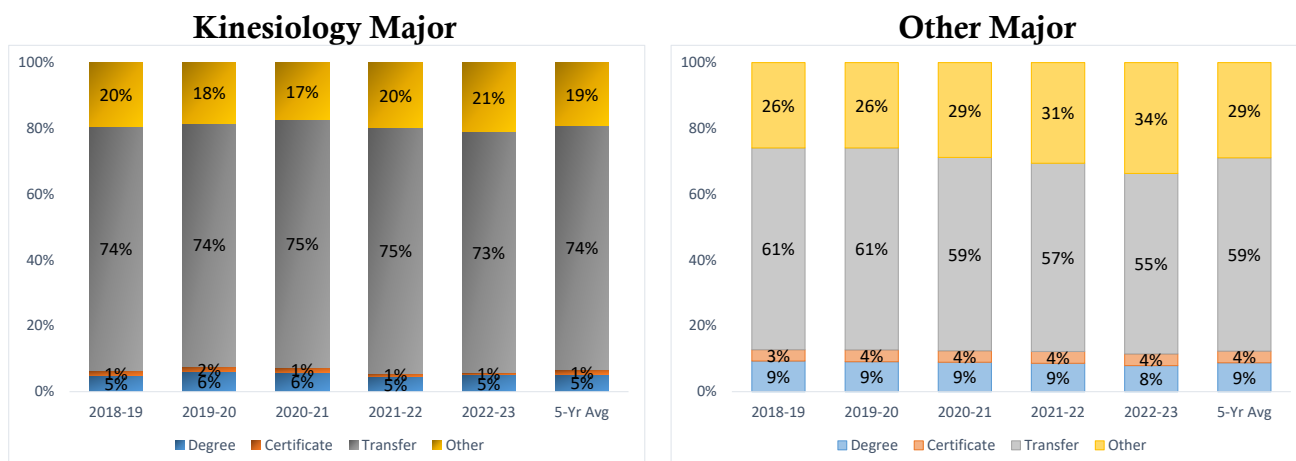
Figure 5:



Educational Goal

- Transfer to a four-year institution accounted for the majority of students' educational goal, with a higher proportion of Kinesiology students wanting to transfer (74%) than compared to Other Major students (59%).

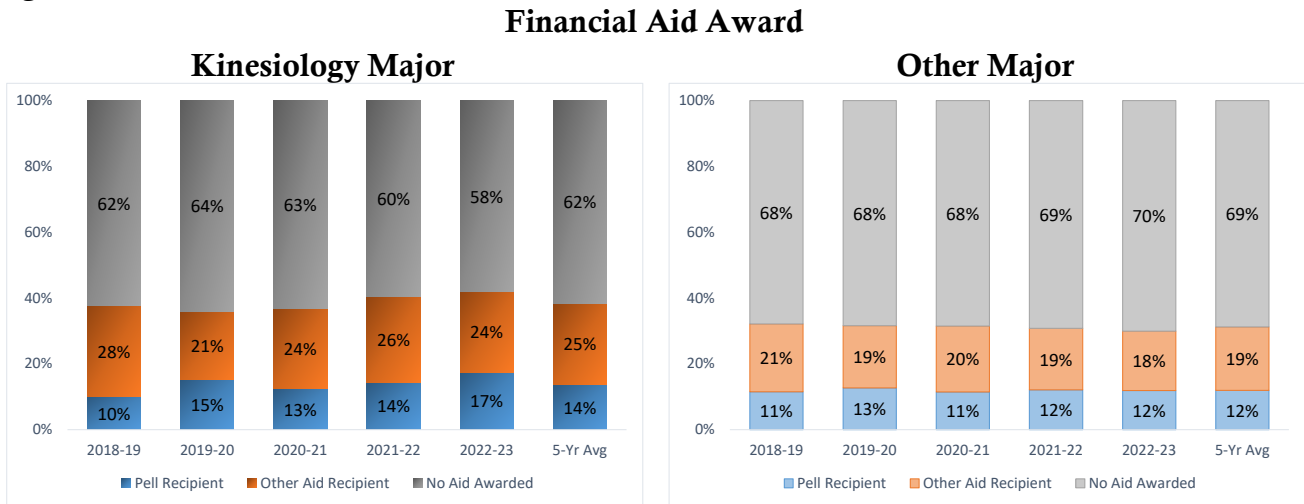
Figure 6: Educational Goal



Financial Aid Award

- A higher proportion of Kinesiology students received Pell Grant (14%) or Other Aid in the form of scholarships, loans, etc. (25%) than compared to Other Major students, 12% and 19%, respectively.

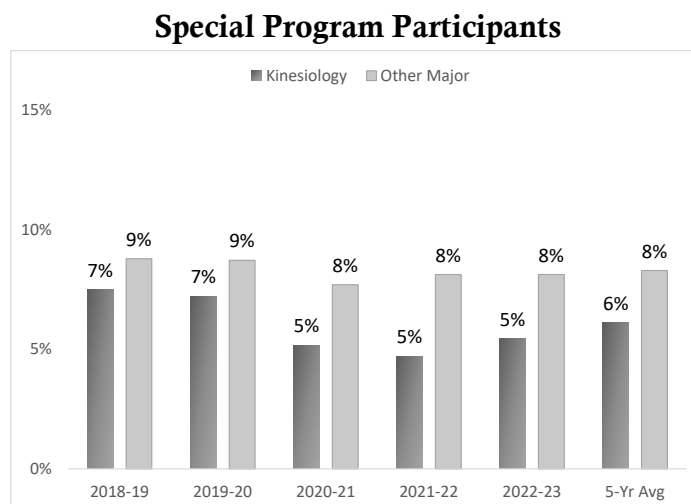
Figure 7:



EOPS, DSPS, CalWORKs, Foster Youth and Veterans Programs

- Among Kinesiology students, 6% were also students from a special program, notably DSPS and Veterans.
- In comparison, 8% of Other Major students were special program participants.

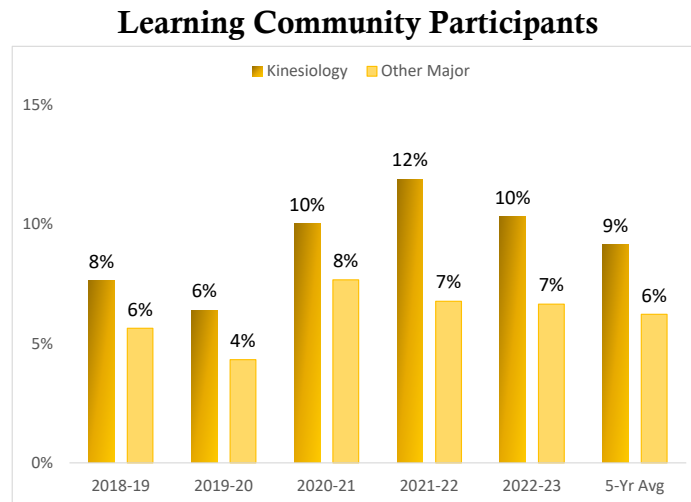
Figure 8:



Learning Communities³

- Among Kinesiology students, 9% enrolled in a section that was designated as a learning community. They enrolled in mostly Math Performance Success (MPS) and Civic Engagement sections.
- In comparison, 6% of Other Major students were learning community participants.

Figure 9:



Course Enrollment

Course Unit Load

Table 1 compares the average course unit load of Black, Filipinx and Latinx students to all other ethnicities (i.e., Asian, Native American, Pacific Islander, White and Unknown).

- Black, Filipinx and Latinx Kinesiology students' course unit load was higher than their other ethnicity counterpart. Recently in fall 2022, Black, Filipinx and Latinx Kinesiology students' course load averaged 11.5 units, whereas all other ethnicities averaged 9.2 units.
- Between academic years 2018-19 and 2020-21, Other Major students' course load was slightly higher among all other ethnicities than compared to Black, Filipinx and Latinx students. Since 2021-22, the average course unit load have not differed much between these two groups.

³ Learning communities are sections with the following designation: Civic Engagement (E), First Year Experience (FY), Flow Hip Hop (W), IMPACT AAPI (V), LEAD (K), LinC (D), MPS (MP), Mellon Scholars (M), Puente (P), REACH (R) and Umoja (UM). Learning community students were counted once in an academic year whether they participated in multiple communities.

Table 1:

Course Unit Load

		2018-19		2019-20		2020-21		2021-22		2022-23	
		HC	Avg Units	HC	Avg Units	HC	Avg Units	HC	Avg Units	HC	Avg Units
Kinesiology											
Summer	Black, Filipinx, Latinx	108	5.6	112	5.5	123	5.7	107	5.3	97	6.7
	Other	93	5.3	94	5.4	102	6.6	70	6.2	64	6.1
Fall	Black, Filipinx, Latinx	254	10.6	243	11.2	225	11.6	202	11.0	190	11.5
	Other	187	9.9	170	11.1	170	11.0	145	11.4	151	9.2
Winter	Black, Filipinx, Latinx	218	10.3	221	10.7	182	11.5	167	10.9	155	11.0
	Other	157	10.2	167	11.0	143	11.1	130	11.0	111	10.3
Spring	Black, Filipinx, Latinx	202	10.2	180	10.9	171	10.8	148	10.9	153	10.6
	Other	155	9.7	141	11.0	140	10.6	121	9.9	103	10.0
Other Major											
Summer	Black, Filipinx, Latinx	2,890	6.0	2,831	6.1	3,430	6.5	3,022	6.7	2,769	6.6
	Other	7,277	6.2	6,945	6.3	8,395	6.7	7,159	6.4	7,150	6.4
Fall	Black, Filipinx, Latinx	7,176	10.1	6,935	10.3	6,985	10.7	6,458	10.6	6,191	10.4
	Other	12,024	10.8	11,530	10.9	11,494	10.9	10,297	10.6	10,186	10.3
Winter	Black, Filipinx, Latinx	6,168	10.1	5,983	10.4	5,996	10.4	5,327	10.5	5,307	10.3
	Other	11,327	11.0	10,968	11.2	10,990	10.8	9,565	10.5	9,577	10.4
Spring	Black, Filipinx, Latinx	5,899	9.9	5,674	10.2	5,717	10.3	5,104	10.2	5,043	10.1
	Other	10,993	10.8	10,613	11.1	10,232	10.6	9,230	10.3	9,246	10.3

Most Enrolled Courses

The top 30 courses Kinesiology students enrolled in over the past five years are shown in Table 2. Bolded courses have success rates that are at least equivalent to Kinesiology students' average success rate of 76%.

Table 2:

Kinesiology Students Most Enrolled Course, 2018-19 to 2022-23

Subject	Course	Total Enrl	Succes Rate	Subject	Course	Total Enrl	Succes Rate
1 MATH	D010.	667	62%	16 P E	D04XX	194	96%
2 KNES	D045.	614	79%	17 HIST	D017C	179	69%
3 EWRT	D001A	576	70%	18 COMM	D010.	154	80%
4 EWRT	D002.	419	78%	19 SOC	D001.	148	81%
5 PSYC	D001.	406	80%	20 ASTR	D004.	146	66%
6 HUMI	D001.	368	76%	21 KNES	D054.	144	67%
7 COMM	D001.	339	79%	22 ARTS	D001A	140	76%
8 BIOL	D040A	330	79%	23 CHEM	D001A	137	71%
9 NUTR	D010.	296	75%	24 KNES	D052.	135	58%
10 POLI	D001.	277	66%	25 BIOL	D010.	129	74%
11 BIOL	D040B	269	90%	26 HUMA	D010.	120	77%
12 BIOL	D040C	253	91%	27 ANTH	D001.	120	72%
13 BIOL	D011.	232	78%	28 PSYC	D004.	118	85%
14 CHEM	D030A	215	75%	29 PHIL	D001.	114	72%
15 LART	D250.	204	66%	30 CHEM	D025.	110	70%

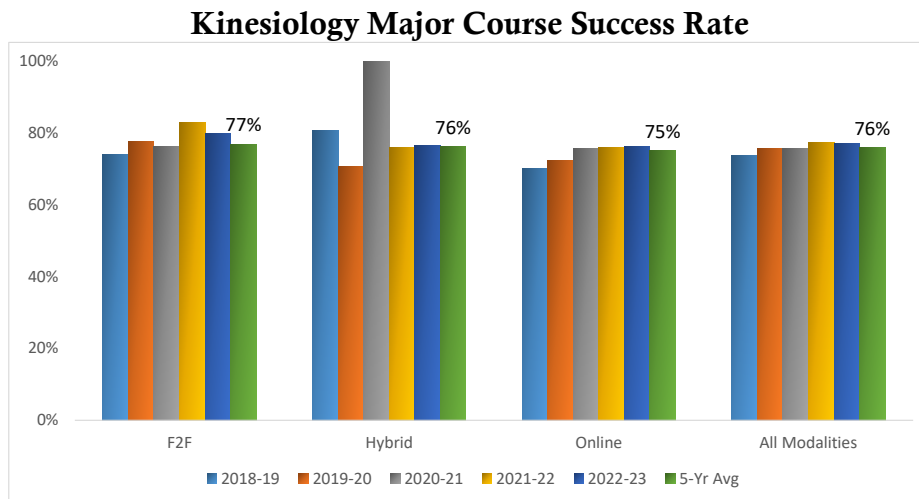
Course Outcomes

Course Success

Course success includes A, B, C and P grades divided by all letter grades.

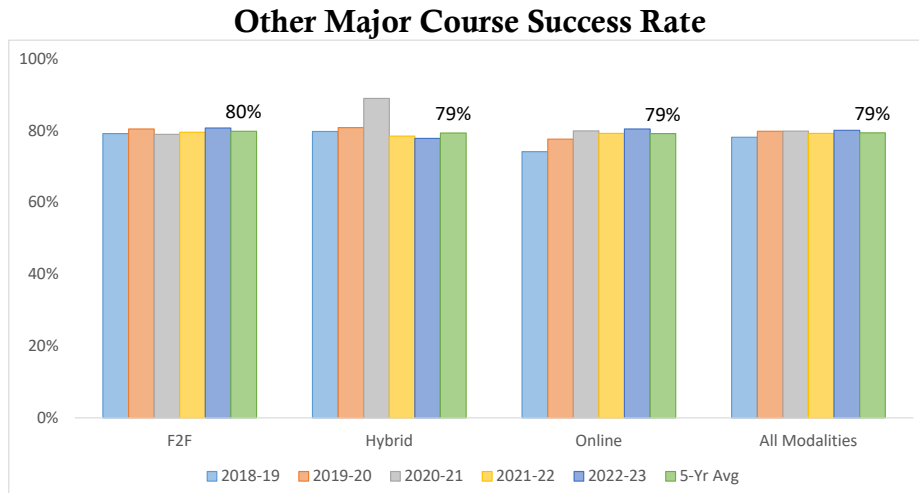
- The course success rates of Kinesiology students trailed Other Major students by three to four percentage points across all instructional modalities.
- The overall course success rate for Kinesiology students was 76%, with the highest rate observed in face-to-face (77%), followed by hybrid (76%) and online (75%) sections.
- Other Major students' overall course success rate was 79%. Like Kinesiology students, their highest rate was observed in face-to-face (80%) sections. Their hybrid and online course success was the same at 79%.

Figure 10:



Five-year total enrollment count = 15,708; F2F = 6,474; Hybrid = 1,138; Online = 8,096

Figure 11:



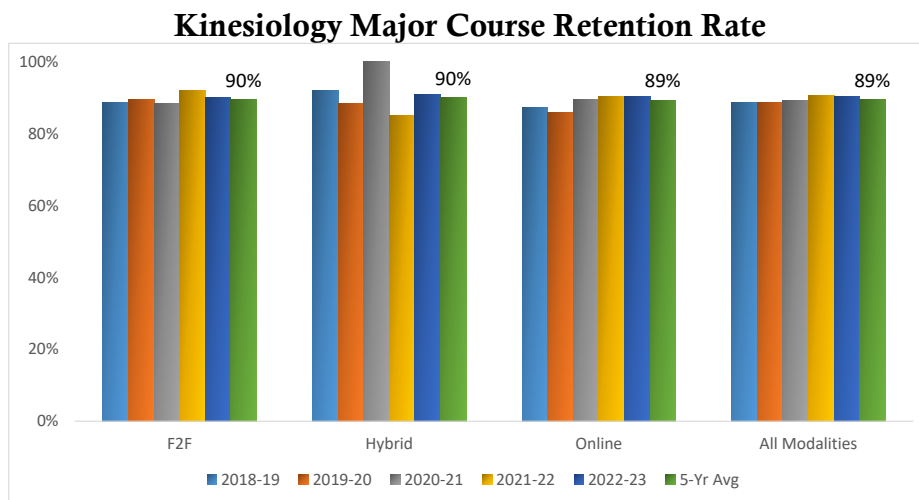
Five-year total enrollment count = 708,972; F2F = 251,018; Hybrid = 60,706; Online = 397,248

Course Retention

Course retention includes A, B, C, P, D, F, FW, I, NP and RD grades divided by all letter grades. A withdrawal grade (EW, MW or W) is not counted towards retention.

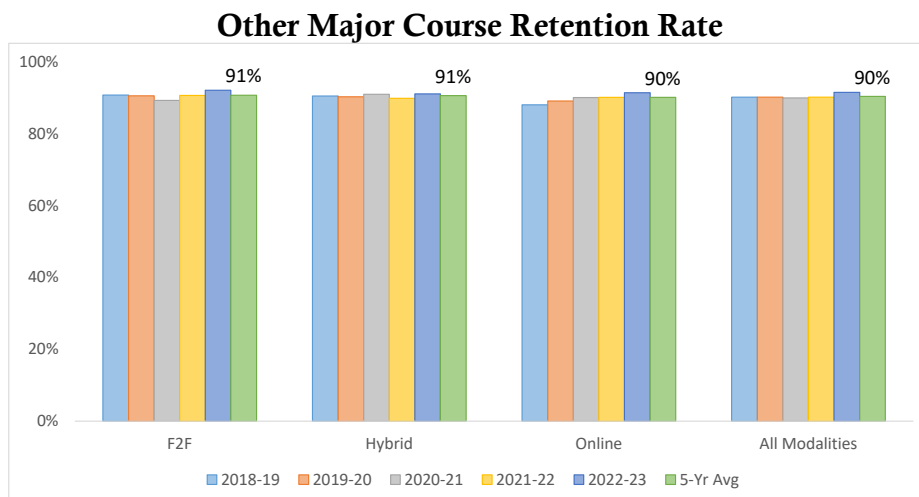
- The course retention rates of Kinesiology students trailed Other Major students by one percentage point across all instructional modalities.
- The overall course retention rate for Kinesiology students was 89%, with the highest rate observed in face-to-face and hybrid (90%) sections.
- Other Major students' overall course retention rate was 90%. Like Kinesiology students, their highest rate was observed in face-to-face and hybrid (91%) sections.

Figure 12:



Five-year total enrollment count = 15,708; F2F = 6,474; Hybrid = 1,138; Online = 8,096

Figure 13:



Five-year total enrollment count = 708,972; F2F = 251,018; Hybrid = 60,706; Online = 397,248

Course Success and Course Retention by Ethnicity

- Course success rates were highest among Kinesiology students who are Asian (82%), White (78%) or Filipinx (76%). Refer to Table 3.

- For Other Major students, Asian (85%) and White (81%) students had the highest course success rates.
- Course retention rates were highest among Kinesiology students who are Asian (91%), Filipinx (90%), White (89%) and Latinx (89%).
- For Other Major students, Asian (93%), White (90%) and Filipinx (90%) students had the highest course retention rates.

Table 3:

Couse Success and Course Retention by Ethnicity

	Course Success						Course Retention					
	2018-19	2019-20	2020-21	2021-22	2022-23	5-Yr Avg	2018-19	2019-20	2020-21	2021-22	2022-23	5-Yr Avg
Kinesiology												
Asian	78%	81%	84%	84%	82%	82%	89%	90%	92%	93%	91%	91%
Black	64%	66%	65%	66%	55%	63%	87%	86%	86%	90%	85%	87%
Filipinx	71%	75%	74%	82%	82%	76%	88%	89%	88%	93%	94%	90%
Latinx	71%	70%	71%	75%	78%	73%	88%	88%	87%	91%	91%	89%
Native American	0%	100%	88%	50%	50%	63%	100%	100%	94%	69%	75%	80%
Pacific Islander	73%	74%	69%	79%	72%	73%	86%	74%	97%	89%	84%	86%
White	82%	84%	78%	71%	72%	78%	91%	91%	91%	86%	87%	89%
Unknown	71%	83%	73%	94%	95%	85%	83%	100%	100%	100%	100%	95%
All Students	74%	76%	76%	77%	77%	76%	89%	89%	89%	91%	90%	89%
Other Major												
Asian	84%	85%	86%	85%	85%	85%	92%	92%	93%	92%	93%	93%
Black	65%	69%	69%	67%	68%	68%	86%	87%	86%	85%	87%	86%
Filipinx	75%	78%	79%	79%	80%	78%	88%	89%	89%	90%	91%	90%
Latinx	69%	70%	70%	70%	71%	70%	87%	87%	86%	87%	89%	87%
Native American	74%	78%	76%	74%	73%	75%	89%	91%	88%	90%	89%	89%
Pacific Islander	68%	68%	70%	65%	72%	69%	87%	83%	87%	85%	89%	86%
White	81%	82%	80%	80%	82%	81%	91%	91%	89%	90%	91%	90%
Unknown	82%	83%	84%	87%	88%	86%	93%	94%	94%	95%	96%	95%
All Students	78%	80%	80%	79%	80%	79%	90%	90%	90%	90%	92%	90%

Green (course success) and blue (course retention) highlighted cells indicate student groups whose rate was higher than the average rate.

Term-to-Term Persistence

- Kinesiology students' fall-to-spring persistence rate (56%) trailed Other Major students (59%). Refer to Table 4. For both groups, their fall-to-spring persistence rates have declined since 2020-21.
- The enrollment drop off, for both groups, occurred between fall and winter terms with persistence rate at about 72%. Their winter-to-spring persistence rate was higher at 82%.

Table 4:

Term-to-Term Persistence



Academic Year	Student Group	Fall Quarter	Winter Quarter		Spring Quarter		Fall to Spring	
		HC	HC	Rate	HC	Rate	HC	Rate
2018-19	Kinesiology	441	307	70%	257	84%	257	58%
	Other Major	19,200	14,106	73%	11,771	83%	11,771	61%
2019-20	Kinesiology	413	321	78%	248	77%	248	60%
	Other Major	18,465	13,686	74%	11,106	81%	11,106	60%
2020-21	Kinesiology	395	281	71%	216	77%	216	55%
	Other Major	18,479	13,286	72%	10,875	82%	10,875	59%
2021-22	Kinesiology	347	239	69%	190	79%	190	55%
	Other Major	16,755	11,527	69%	9,375	81%	9,375	56%
2022-23	Kinesiology	341	225	66%	181	80%	181	53%
	Other Major	16,377	11,433	70%	9,304	81%	9,304	57%
5-Yr Avg	Kinesiology	1,937	1,373	71%	1,092	80%	1,092	56%
	Other Major	89,276	64,038	72%	52,431	82%	52,431	59%