

Mission College

Online (Synchronous and Asynchronous) Course Success Rate Comparisons

Office of Instruction, May 12, 2022

The data below describe differences in success rates for various groupings of students. The data does not control for interrelated variables such as, for example, a student's previous academic experiences, student educational goals, or institutional processes related to online education (minimum qualifications, training, previous instructor experience, etc). The data document differences in course success rates in fall 2021 that also exist in previous terms.

Observations

- Fall 2021, online course success rates were lower than in-person course success rates across a number of demographic variables including First Generation and Low SES.
- As a group, students 21 and younger, including students under 18, as well as students 60 and older, had lower online course success rates than rates for in-person classes.
- All ethnic groups, except for Asians, had lower online course success rates compared to in-person course success rates in fall 2021.
- Success rate gaps also existed between groups taking online courses with First Gen students that identified as African American or Hispanic consistently having lower online success rates than other students taking online classes, across several terms.

Online Course Success Rate Term	First Gen Students that Identified as African American or Hispanic	All Other Students
Fall 2021	61%	73%
Fall 2020	62%	76%
Fall 2019	58%	73%
Fall 2018	60%	69%
Fall 2017	60%	73%

- Students that had previous experience with an online course, either because they were new to Mission College in fall 2021 or they had not previously enrolled in an online course, had a lower success rate than students with some previous online enrollment.

Fall 2021, Online Courses	Course Success Rate	Total Student Enrollment (all grades)
No previous term online course	65%	3,897
One or more online courses previous term	73%	8,238

Mission College Course Success Fall 2021 by Instructional Modality

Age Group

Age Group	Modality	Success		Nonsuccess		Withdrew		Total for Instructor	
		Number of Grades	Percent of Grades	Number of Grades	Percent of Grades	Number of Grades	Percent of Grades	Number of Grades	Percent of Grades
under 18	Hybrid	31	91%	3	9%			34	100%
under 18	In-person	164	92%	9	5%	6	3%	179	100%
under 18	Online	819	78%	139	13%	98	9%	1,056	100%
18 to 21	Hybrid	113	68%	31	19%	23	14%	167	100%
18 to 21	In-person	578	80%	79	11%	63	9%	720	100%
18 to 21	Online	3,206	68%	815	17%	725	15%	4,746	100%
22 to 24	Hybrid	36	77%	4	9%	7	15%	47	100%
22 to 24	In-person	127	64%	38	19%	33	17%	198	100%
22 to 24	Online	1,189	68%	266	15%	303	17%	1,758	100%
25 to 39	Hybrid	60	73%	8	10%	14	17%	82	100%
25 to 39	In-person	436	77%	85	15%	45	8%	566	100%
25 to 39	Online	2,398	72%	389	12%	531	16%	3,318	100%
40 to 59	Hybrid	21	78%	2	7%	4	15%	27	100%
40 to 59	In-person	216	78%	38	14%	23	8%	277	100%
40 to 59	Online	841	78%	109	10%	125	12%	1,075	100%
60 plus	Hybrid	6	100%					6	100%
60 plus	In-person	37	80%	5	11%	4	9%	46	100%
60 plus	Online	126	69%	26	14%	30	16%	182	100%

Ethnic Group

Ethnic Group Modality		Success		Nonsuccess		Withdrew		Total for Instructor	
		Number of Grades	Percent of Grades	Number of Grades	Percent of Grades	Number of Grades	Percent of Grades	Number of Grades	Percent of Grades
African Amer	Hybrid	5	56%	3	33%	1	11%	9	100%
African Amer	In-person	69	81%	12	14%	4	5%	85	100%
African Amer	Online	298	63%	92	19%	86	18%	476	100%
American Ind	In-person	3	100%					3	100%
American Ind	Online	9	43%	5	24%	7	33%	21	100%
Asian	Hybrid	100	81%	15	12%	8	7%	123	100%
Asian	In-person	407	79%	68	13%	41	8%	516	100%
Asian	Online	2,947	81%	332	9%	375	10%	3,654	100%
Filipino	Hybrid	18	64%	5	18%	5	18%	28	100%
Filipino	In-person	135	82%	13	8%	17	10%	165	100%
Filipino	Online	836	70%	151	13%	200	17%	1,187	100%
Hispanic	Hybrid	92	66%	22	16%	25	18%	139	100%
Hispanic	In-person	460	74%	99	16%	62	10%	621	100%
Hispanic	Online	2,584	62%	808	19%	757	18%	4,149	100%
Pacific Island	In-person	17	94%	1	6%			18	100%
Pacific Island	Online	50	60%	24	29%	10	12%	84	100%
Two or More	Hybrid	16	76%	2	10%	3	14%	21	100%
Two or More	In-person	100	77%	21	16%	9	7%	130	100%
Two or More	Online	497	72%	78	11%	112	16%	687	100%
Unknown	Hybrid	3	75%			1	25%	4	100%
Unknown	In-person	94	75%	12	10%	19	15%	125	100%
Unknown	Online	123	68%	30	17%	27	15%	180	100%
White	Hybrid	33	85%	1	3%	5	13%	39	100%
White	In-person	273	85%	28	9%	22	7%	323	100%
White	Online	1,235	73%	224	13%	238	14%	1,697	100%

Gender

Gender	Modality	Success		Nonsuccess		Withdrew		Total for Instructor	
		Number of Grades	Percent of Grades	Number of Grades	Percent of Grades	Number of Grades	Percent of Grades	Number of Grades	Percent of Grades
Female	Hybrid	146	75%	26	13%	22	11%	194	100%
Female	In-person	647	82%	79	10%	59	8%	785	100%
Female	Online	5,014	74%	854	13%	921	14%	6,789	100%
Male	Hybrid	120	71%	22	13%	26	15%	168	100%
Male	In-person	892	76%	165	14%	115	10%	1,172	100%
Male	Online	3,493	67%	874	17%	876	17%	5,243	100%
Nonbinary	Hybrid	1	100%					1	100%
Nonbinary	In-person	14	58%	10	42%			24	100%
Nonbinary	Online	70	70%	16	16%	14	14%	100	100%

Binary not included to protect privacy due to small cell size

First Generation Status

First-Gen	Modality	Success		Nonsuccess		Withdrew		Total for Instructor	
		Number of Grades	Percent of Grades	Number of Grades	Percent of Grades	Number of Grades	Percent of Grades	Number of Grades	Percent of Grades
Not First Gen	Hybrid	161	78%	21	10%	25	12%	207	100%
Not First Gen	In-person	1,068	79%	175	13%	106	8%	1,349	100%
Not First Gen	Online	5,158	73%	882	13%	986	14%	7,026	100%
Unknown	Hybrid	17	59%	7	24%	5	17%	29	100%
Unknown	In-person	108	85%	11	9%	8	6%	127	100%
Unknown	Online	588	67%	149	17%	137	16%	874	100%
First-Gen	Hybrid	89	70%	20	16%	18	14%	127	100%
First-Gen	In-person	382	75%	68	13%	60	12%	510	100%
First-Gen	Online	2,833	67%	713	17%	689	16%	4,235	100%

Low-SES

Low-SES	Modality	Success		Nonsuccess		Withdrew		Total for Instructor	
		Number of Grades	Percent of Grades	Number of Grades	Percent of Grades	Number of Grades	Percent of Grades	Number of Grades	Percent of Grades
Not Low-SES	Hybrid	129	77%	21	13%	17	10%	167	100%
Not Low-SES	In-person	944	80%	153	13%	90	8%	1,187	100%
Not Low-SES	Online	4,204	74%	768	13%	725	13%	5,697	100%
Low-SES	Hybrid	138	70%	27	14%	31	16%	196	100%
Low-SES	In-person	614	77%	101	13%	84	11%	799	100%
Low-SES	Online	4,375	68%	976	15%	1,087	17%	6,438	100%

Mission College Comparison of Online Success Rates

Academic Year	Group	Modality	Term	Success		Nonsuccess		Withdrawn		Total for Instructor	
				Number of Grades	Percent of Grades	Number of Grades	Percent of Grades	Number of Grades	Percent of Grades	Number of Grades	Percent of Grades
2021-2022	First Gen Students that Identify	Online	Fall 2021	1,493	61%	516	21%	450	18%	2,459	100%
2021-2022	All Other Students	Online	Fall 2021	7,086	73%	1,228	13%	1,362	14%	9,676	100%
2020-2021	First Gen Students that Identified as African American or Hispanic	Online	Summer 2021	408	74%	80	14%	67	12%	555	100%
2020-2021		Online	Fall 2020	1,197	62%	341	18%	404	21%	1,942	100%
2020-2021		Online	Winter 2021	170	68%	46	18%	33	13%	249	100%
2020-2021		Online	Spring 2021	1,599	68%	386	16%	367	16%	2,352	100%
2020-2021	All Other Students	Online	Summer 2021	3,532	83%	323	8%	400	9%	4,255	100%
2020-2021		Online	Fall 2020	7,139	76%	1,002	11%	1,258	13%	9,399	100%
2020-2021		Online	Winter 2021	1,305	87%	83	6%	114	8%	1,502	100%
2020-2021		Online	Spring 2021	8,835	76%	1,244	11%	1,518	13%	11,597	100%
2019-2020	First Gen Students that Identified as African American or Hispanic	Online	Summer 2020	520	70%	109	15%	114	15%	743	100%
2019-2020		Online	Fall 2019	296	58%	94	19%	117	23%	507	100%
2019-2020		Online	Winter 2020	117	79%	10	7%	21	14%	148	100%
2019-2020		Online	Spring 2020	357	75%	37	8%	85	18%	479	100%
2019-2020	All Other Students	Online	Summer 2020	4,920	87%	342	6%	394	7%	5,656	100%
2019-2020		Online	Fall 2019	2,092	73%	315	11%	477	17%	2,884	100%
2019-2020		Online	Winter 2020	729	87%	55	7%	56	7%	840	100%
2019-2020		Online	Spring 2020	2,215	84%	102	4%	315	12%	2,632	100%
2018-2019	First Gen Students that Identified as African American or Hispanic	Online	Summer 2019	190	63%	41	14%	71	24%	302	100%
2018-2019		Online	Fall 2018	257	60%	96	22%	75	18%	428	100%
2018-2019		Online	Winter 2019	97	76%	16	13%	14	11%	127	100%
2018-2019		Online	Spring 2019	300	59%	107	21%	100	20%	507	100%
2018-2019	All Other Students	Online	Summer 2019	1,799	77%	200	9%	345	15%	2,344	100%
2018-2019		Online	Fall 2018	2,377	69%	541	16%	516	15%	3,434	100%
2018-2019		Online	Winter 2019	1,007	86%	60	5%	101	9%	1,168	100%
2018-2019		Online	Spring 2019	2,349	72%	444	14%	453	14%	3,246	100%
2017-2018	First Gen Students that Identified as African American or Hispanic	Online	Summer 2018	195	69%	45	16%	41	15%	281	100%
2017-2018		Online	Fall 2017	237	60%	97	25%	59	15%	393	100%
2017-2018		Online	Winter 2018	99	77%	11	9%	18	14%	128	100%
2017-2018		Online	Spring 2018	231	56%	91	22%	90	22%	412	100%
2017-2018	All Other Students	Online	Summer 2018	2,079	81%	234	9%	252	10%	2,565	100%
2017-2018		Online	Fall 2017	2,544	73%	486	14%	472	13%	3,502	100%
2017-2018		Online	Winter 2018	992	87%	66	6%	80	7%	1,138	100%
2017-2018		Online	Spring 2018	2,618	75%	443	13%	447	13%	3,508	100%