

Factors Leading to Academic Probation for New UC Berkeley Undergraduates

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This Presentation will...

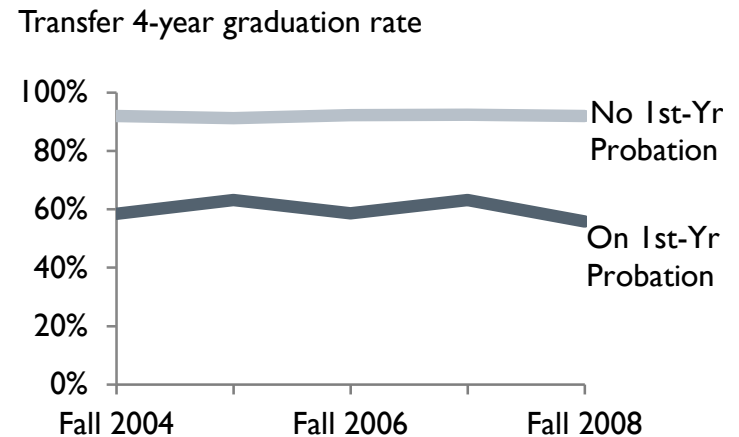
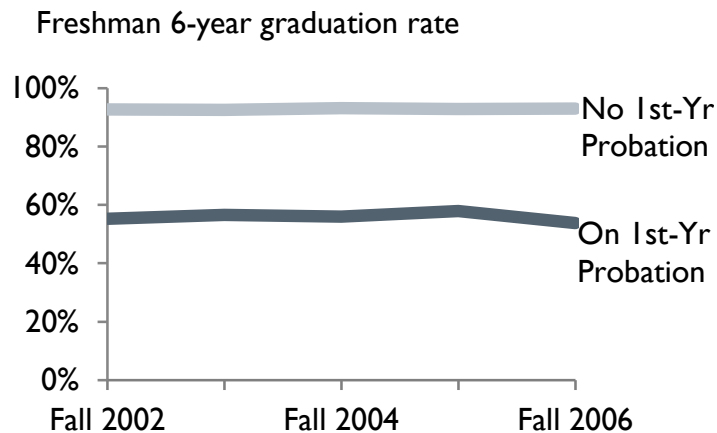
- Highlight the relationship between academic probation and graduation rates
- Share the most recent 1st year academic probation rates across various student demographics
- Identify some of the pre-UC Berkeley factors associated with 1st year probation
- Discuss what we learned from our last probation rate analysis

Defining Academic Probation

- Cumulative UC GPA < 2.0 (C average)
- Term probation may also occur:
 - UC GPA for a given semester < 1.5 (CED, L&S, and Haas) or < 2.0 (Chemistry, Natural Resources)
- Within the College of Engineering, students are subject to dismissal if cumulative or term GPA falls below a 2.0

The Importance of Probation

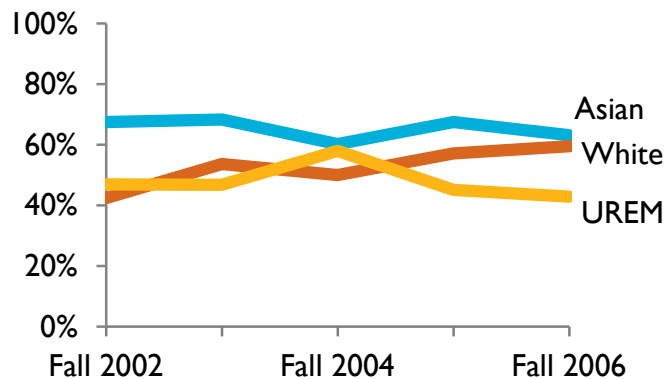
UC Berkeley students placed on 1st year academic probation have significantly lower graduation rates than their counterparts:



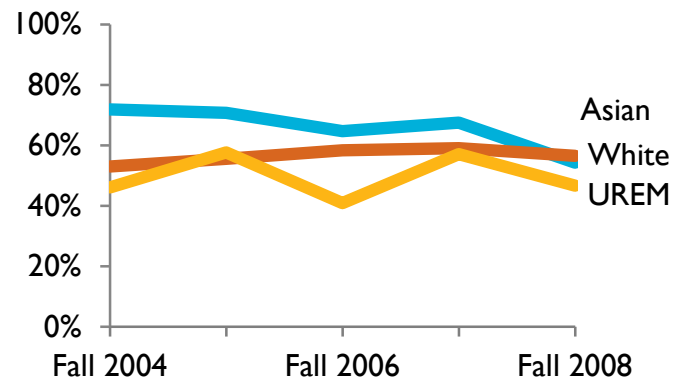
Graduation Rates of Students On 1st Year Probation

When looking at the graduation rates of only the students who experienced 1st year probation, we see some differences in the trends by Race/Ethnicity:

UREM (Freshman Entering) 6-year grad rates

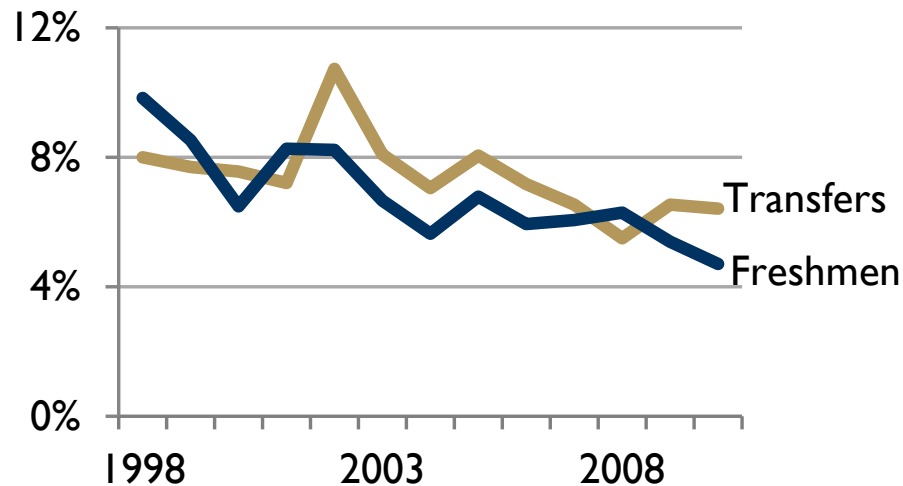


UREM (Transfer Entering) 4-year grad rates



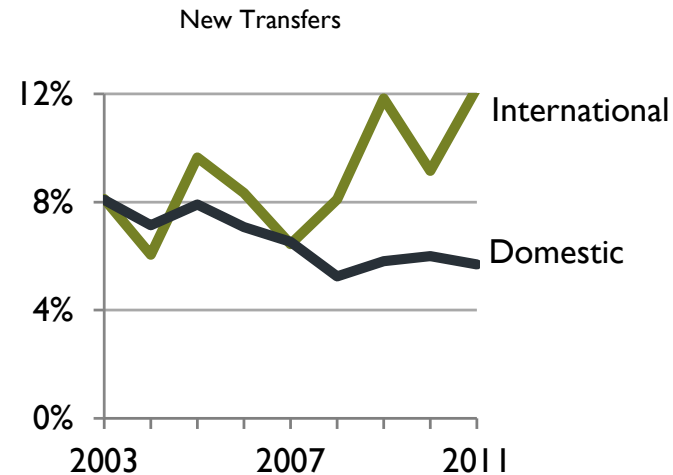
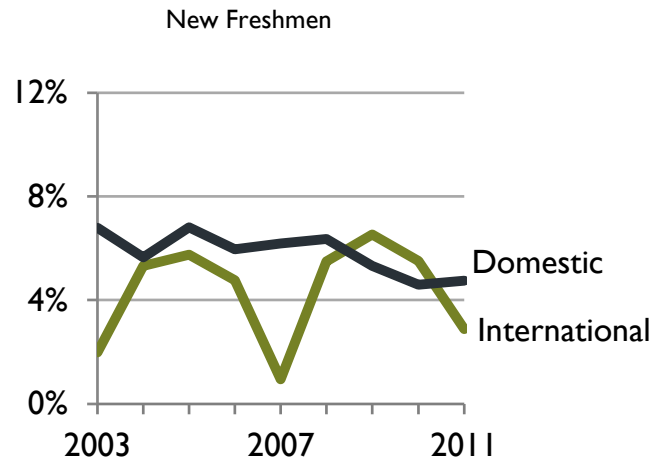
Historical & Current Probation Stats

1st year probation rates at UC Berkeley have steadily declined



- For the Fall 2011 entering cohort, freshmen had a 1st year probation rate of 4%, compared to 7% for transfer entrants

Probation Trends for Domestic & International Students



- Declining or unchanged probation rates are the trend for domestic and international freshmen, as well as domestic transfer entrants.
- International transfer students' probation rate show a more irregular pattern that appears to be trending upward.

2011 Entering Cohort

- 4,449 Freshmen, 2,338 Transfer
- Freshmen:
 - 65% CA Resident
 - 14% UREM
 - 13% 1st-generation college going
 - 22% neither parent has Bachelor's degree
 - 22% from API 1-5
 - Avg GPA 3.83, Middle 50% 3.76 to 4.00
 - Avg SAT 2030, Middle 50% 1910 to 2190

2011 Entering Cohort

- 4,449 Freshmen, 2,338 Transfer
- Transfer:
 - 77% CA Resident
 - 29% UREM
 - 26% 1st-generation college going
 - 48% neither parent has Bachelor's degree
 - 95% from CA Community Colleges
 - Average Age 23
 - Avg GPA 3.73, Middle 50% 3.58 to 3.94

Demographic Profile of Students on 1st Year Probation (Fall 2011 cohort)

Freshmen - 200 (4.5%) total on probation at any time during their 1st year

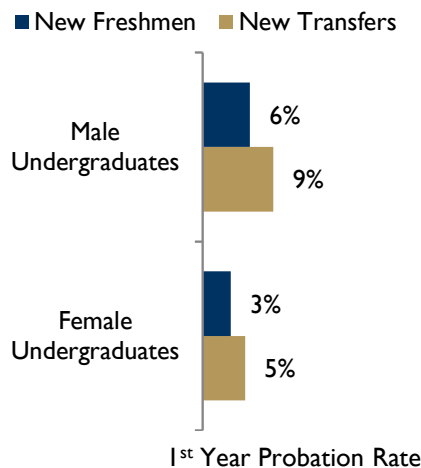
- 134 (67%) on probation both Fall and Spring
- 4 (3%) on probation Fall only
- 62 (31%) on probation Spring only

Transfers - 160 (6.8%) total on probation at any time during their 1st year

- 102 (64%) on probation both Fall and Spring
- 8 (5%) on probation Fall only
- 50 (31%) on probation Spring only

Demographic Profile of Students on 1st Year Probation (Fall 2011 cohort)

Males, International Transfer Students and Underrepresented Minority (UREM) Freshmen Have Higher Probation Rates than Peers



1st Year Probation Rates by Group, Fall 2011 Cohort

	New Freshmen	New Transfers
African American	10%	10%
Chicano/Latino	6%	4%
Asian	4%	7%
White	3%	4%
CA Resident	4%	6%
Out-of-state (domestic)	6%	5%
International	3%	12%

Note: the rate for each respective group in the table right above excludes student athletes

Demographic Profile of Students on 1st Year Probation (Fall 2011 cohort)

Predicting factors leading to probation is difficult



- Low probation rates means little variation in the population
- Regressions explained less than 10% of the reason

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Demographic Profile of Students on 1st Year Probation

New Freshman	Total Cohort N=4,449		On probation Anytime 1st Year N=200		Probation Rate
	N	Pct	N	Pct	
All Students	4,449		200		4.5%
Native American	34	0.8%	4	2.0%	11.8%
African American	130	2.9%	15	7.5%	11.5%
Chicano/Latino	477	10.7%	32	16.0%	6.7%
Filipino	108	2.4%	5	2.5%	4.6%
Asian/Pacific Islander	1,798	40.4%	75	37.5%	4.2%
White	1,205	27.1%	46	23.0%	3.8%
Decline to State	107	2.4%	6	3.0%	5.6%
International	590	13.3%	17	8.5%	2.9%
Female	2,311	51.9%	78	39.0%	3.4%
Male	2,137	48.0%	122	61.0%	5.7%
CA	2,908	65.4%	126	63.0%	4.3%
International	590	13.3%	17	8.5%	2.9%
Out of State Domestic	951	21.4%	57	28.5%	6.0%
Athletes	228	5.1%	25	12.5%	11.0%
Chemistry	191	4.3%	14	7.0%	7.3%
Engineering	617	13.9%	39	19.5%	6.3%
Environmental Design	99	2.2%	5	2.5%	5.1%
Letters & Science	3,138	70.5%	129	64.5%	4.1%
Natural Resources	403	9.1%	13	6.5%	3.2%

Demographic Profile of Students on 1st Year Probation (Fall 2011 cohort)

Freshman non-athletes	Total Cohort N=4,449		On probation Anytime 1st Year N=200		Probation Rate
	N	Pct	N	Pct	
All non-athletes	4,220		175		4.2%
Native American	29	<1%	3	1.7%	10.3%
African American	101	2.4%	10	5.7%	9.9%
Chicano/Latino	464	11.0%	30	17.4%	6.5%
Filipino	99	2.5%	5	2.9%	2.9%
Asian/Pacific Islander	1,780	42.2%	71	40.6%	4.0%
White	1,071	25.4%	35	20.0%	3.3%
Decline to State	99	2.4%	5	2.9%	5.1%
International	556	13.8%	16	9.1%	2.8%

Demographic Profile of Students on 1st Year Probation (Fall 2011 cohort)

New Freshmen	Total Cohort N=4,449		On probation Anytime 1st Year N=200		Probation Rate
	N	Pct	N	Pct	
No High School	157	3.5%	15	7.5%	9.6%
Some High School	114	2.6%	9	4.5%	7.9%
High School Grad	323	7.3%	20	10.0%	6.2%
Some College	244	5.5%	14	7.0%	5.7%
2-Year College Grad	118	2.7%	6	3.0%	5.1%
4-Year College Grad	1,136	25.5%	55	27.5%	4.8%
Post Graduate Study	2,288	51.4%	76	38.0%	3.3%
Missing	69	1.6%	5	2.5%	7.2%
1st gen college going	594	13.4%	44	22.0%	7.4%
1st gen BA/BS earning	956	21.5%	64	32.0%	6.7%

Demographic Profile of Students on 1st Year Probation (Fall 2011 cohort)

New Freshmen	Total Cohort		On probation Anytime 1st Year		Probation Rate
	N	Pct	N	Pct	
Summer Bridge	165	3.7%	25	12.5%	15.2%
Not Athletes (3.5% in SB)	148	89.7%	18	72.0%	12.2%
Athletes (7.5% in SB)	17	10.3%	7	28.0%	41.2%
Not Summer Bridge	4283	96.3%	175	3.9%	4.1%
Not Athletes	4072	95.1%	157	89.7%	3.9%
Athletes	211	4.9%	18	10.3%	8.5%

Demographic Profile of Students on 1st Year Probation (Fall 2011 cohort)

New Transfer	Total Cohort N=2,338		On probation Anytime 1st Year N=160		Probation Rate
	N	Pct	N	Pct	
All Students	2,338		160		6.8%
Native American	18	0.8%	0	0.0%	0.0%
African American	102	4.4%	11	6.9%	10.8%
Chicano/Latino	364	15.6%	15	9.4%	4.1%
Filipino	50	2.1%	1	0.6%	2.0%
Asian/Pacific Islander	509	21.8%	40	25.0%	7.9%
White	810	34.6%	36	22.5%	4.4%
Decline to State	76	3.3%	7	4.4%	9.2%
International	409	17.5%	50	31.3%	12.2%
Female	1,152	49.3%	59	36.9%	5.1%
Male	1,185	50.7%	101	63.1%	8.5%
CA	1,808	77.3%	104	65.0%	5.8%
International	409	17.5%	50	31.3%	12.2%
Out of State Domestic	121	5.2%	6	3.8%	5.0%
Business	93	4.0%	2	1.3%	2.2%
Chemistry	54	2.3%	10	6.3%	18.5%
Engineering	204	8.7%	30	18.8%	14.7%
Environmental Design	73	3.1%	2	1.3%	2.7%
Letters & Science	1,806	77.2%	109	68.1%	6.0%
Natural Resources	108	4.6%	7	4.4%	6.5%

Demographic Profile of Students on 1st Year Probation (Fall 2011 cohort)

Transfer	Total Cohort N=2,338		On probation Anytime 1st Year N=160		Probation Rate
	N	Pct	N	Pct	
No High School	107	2.4%	12	6.0%	11.2%
Some High School	107	2.4%	11	5.5%	10.3%
High School Grad	390	8.8%	28	14.0%	7.2%
Some College	276	6.2%	14	7.0%	5.1%
2-Year College Grad	131	2.9%	9	4.5%	6.9%
4-Year College Grad	637	14.3%	36	18.0%	5.7%
Post Graduate Study	611	13.7%	49	24.5%	8.0%
Missing	79	1.8%	1	0.5%	1.3%
1st gen college going	604	25.8%	51	31.9%	8.4%
1st gen BA/BS earning	1,011	43.2%	74	46.3%	7.3%

Demographic Profile of Students on 1st Year Probation (Fall 2011 cohort)

Transfer International	Total Cohort N=409		On probation Anytime 1st Year N=50		Probation Rate 12.2%
	N	Pct	N	Pct	
Santa Monica College	72	17.6%	14	28.0%	19.4%
Diablo Valley College	95	23.2%	10	20.0%	10.5%
De Anza College	59	14.4%	7	14.0%	11.9%
Laney College	14	3.4%	4	8.0%	28.6%
Santa Barbara City College	11	2.7%	2	4.0%	18.2%
Oxnard College	2	0.5%	2	4.0%	100.0%
Foothill College	22	5.4%	1	2.0%	4.5%
Berkeley City College	7	1.7%	1	2.0%	14.3%
City College Of San Francisco	6	1.5%	1	2.0%	16.7%
Orange Coast College	5	1.2%	1	2.0%	20.0%
College Of The Canyons	4	1.0%	1	2.0%	25.0%
Las Positas Cmty College	3	0.7%	1	2.0%	33.3%
Alfred University	1	0.2%	1	2.0%	100.0%
Contra Costa College	1	0.2%	1	2.0%	100.0%
Grossmont Cmty College	1	0.2%	1	2.0%	100.0%
Univ Minnesota Minneapolis	1	0.2%	1	2.0%	100.0%
Vincennes University	1	0.2%	1	2.0%	100.0%
East Los Angeles College	10	2.4%	0	0.0%	0.0%

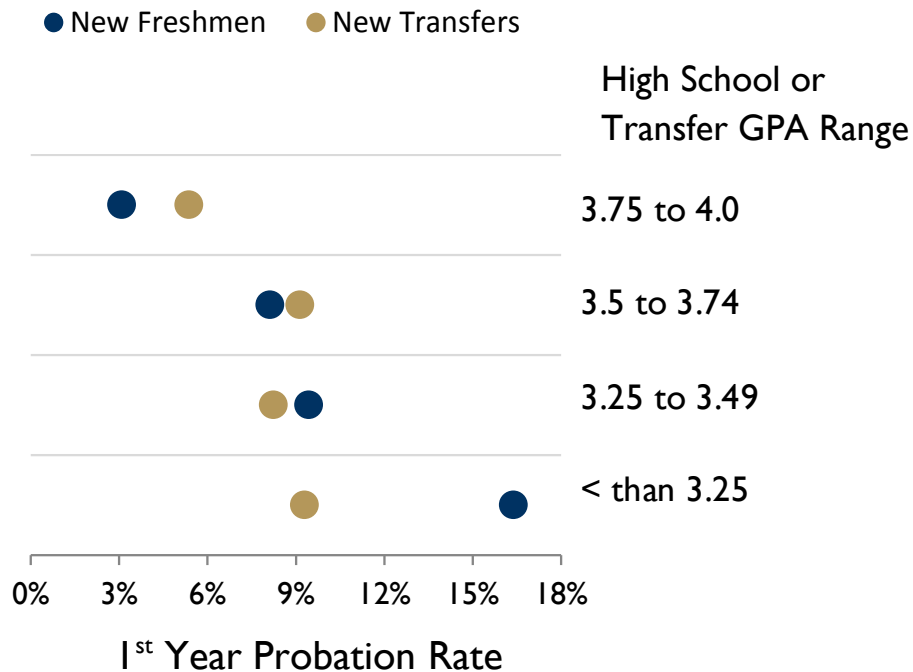
Demographic Profile of Students on 1st Year Probation (Fall 2011 cohort)

	Not on Probation	On Probation
Freshmen		
Parent Income	\$100,000	\$68,000
GPA (unweight)	3.84	3.67
GPA (weighted)	4.29	4.08
SAT Math	700	664
SAT Read	656	616
SAT Write	677	626
SAT Composite	2033	1906
ACT Composite	30	28
Transfers		
Parent Income	\$70,492	\$52,809
Student Income	\$16,827	\$14,293
Transfer GPA	3.75	3.70

Ttest shows significant difference in all academic indicator means between probation and non-probation groups

Previous Grade Point Average

New Students' Prior GPA is a Major Factor Associated with 1st Year Probation Once at UC Berkeley

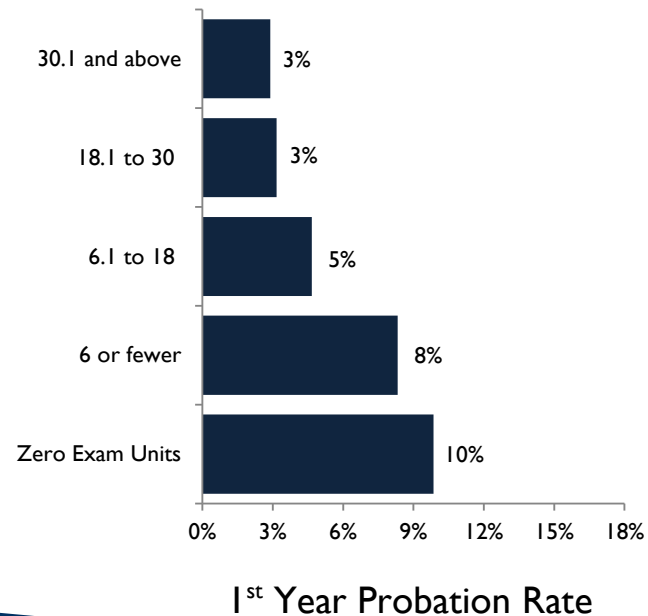


- For freshmen in particular, as prior GPA increases, the likelihood of being placed on 1st year probation decreases
- The probation rate for new freshmen with an unweighted high school GPA of 3.75 to 4.0 is 3%, which is similar to the overall freshmen probation rate of 4%.
- However, for freshmen with a slightly lower GPA range of 3.5 to 3.74 we see an 8% rate.
- This pattern is present for new transfer students, although not as pronounced.

Number of AP/Exam Units

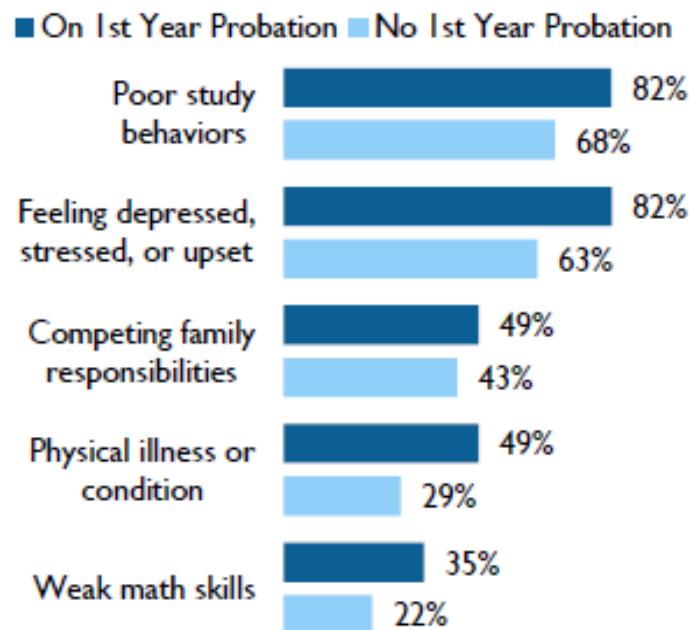
New Freshmen who enter with higher numbers of AP/Exam Units have lower probation rates than their freshmen counterparts who enter with fewer AP/Exam Units

1st- Year Probation rate (New Fall 2011 Freshmen),
by Range of Exam Units Completed Prior to Entry



Past Findings: What do we know from the students themselves?

- 1st year students who completed the Spring 2010 UC Undergraduate Experience Survey indicated that the following had proven to be *frequent* obstacles to their academic success at Berkeley:



% Somewhat Often, Often, or Very Often

Looking Ahead

- In the Summer of 2013, curriculum data will be migrated into Cal Answers (UC Berkeley's data warehouse).
- Having curriculum data in Cal Answers will allow us to do more analysis on the course-taking patterns of new Berkeley students who find themselves in academic difficulty.
- We hope to identify additional factors that are associated with academic probation, particularly factors for which the campus can intervene on through academic advising, for example.
- Our goal is to support students, as well as the student services staff who work to ensure the success of our students.

Data Resources & Contact Info

- ❑ Cal Answers: <http://calanswers.berkeley.edu>
- ❑ Office of Planning and Analysis: <http://opa.berkeley.edu>
- ❑ Office of Undergraduate Admissions: <http://admissions.berkeley.edu>

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