NATURAL SCIENCES EARLY PROGRESS POLICY

Majors in the School of Natural Sciences are competitive and space is limited. Students must make appropriate degree progress to remain in good academic standing in any Natural Sciences major. In order to ensure the success of students who advance in the Natural Sciences, the school established a new policy in Fall 2010, the "Natural Sciences Early Progress Policy", which is an augmentation of the current existing institutional course repletion policy. Analysis of past student academic performances shows that a large proportion of students who are not able to successfully complete introductory-level science coursework are later put on academic probation and tend not to be successful later in the school of Natural Sciences. For instance, 69% of students who were not able to complete Math 5 (or Math 11/21) and Chem 1 (or Chem 2) within a year were later put on Academic probation.

This policy states that all new freshman students who are in the School of Natural Sciences must pass the following courses with a C- or better, prior to the start of the third regular (Fall/Spring) semester:

- Either MATH 005 or MATH 011 or MATH 021, and
- Either CHEM 001 or CHEM 002

If they fail to do this, they are ineligible for continued enrollment in a Natural Sciences major and are moved to undeclared status. However, if students do not complete these requirements, they may take these courses at another institution and petition to be readmitted to the School of Natural Sciences by meeting the following requirements:

- Cumulative University of California grade point average of at least 2.0
- Current semester grade point average of at least 2.0
- Major grade point average of 2.5
- Completion of all lower division courses with grades of C- or higher

If this policy had been in place in past years, 33.6% of students would have been de-majored due to not passing pre-college Math or Chemistry within one year. However, this number is artificially high because more than half of these students (51% of the 33.6%) were already de-majored in this time period due to poor overall academic performance. Additional study indicates that there is no evidence of a correlation between a specific demographic and a de-majored rate by this policy (*see the below note*). However, the School of Natural Sciences will certainly continue to monitor the consequence and impact of this policy in order to promote academic success for our students.

Note

- We conducted statistical tests against IPA's *Natural Science Early Progress Demographic Results*
  - No significant evidence of a correlation between Pell eligible and a de-majored rate by this policy ($c^2 = 3.11$, p-value = 0.08)
  - No evidence of a correlation between a specific ethnicity and a de-majored rate by this policy ($c^2 = 0.65$, p-value = 0.42)

Limiting Majors in the School of Natural Sciences:
Performance Analysis for Chemistry and Mathematics placement (assessment) tests and CHEM 001/MATH 005

January 29, 2010

Brief Summary from Analysis

Proposed "Limit Early" Plan: The plan is to allow students into their chosen major at admission, but to de-major them or remove them from declared major if they do not pass required placement (assessment) exam(s). They will be allowed back into their major after passing MATH 5 and CHEM 1 within 1 year. Otherwise, their original majors will not be reinstated.

Based on the analysis of student data described below, we may expect the following, by applying a new proposed limiting major plan:

- By applying the 1st step of the new proposed "Limit Early" option, we should expect that ~66% of 1st year NS freshman students will be placed into a special category – "Removal from declared major" or "demajored" through their placement test results.
    - For Biological Sciences program, since it has a largest student body in the school, we must expect approximately 75% of freshman students who have declared Biological Science major would be placed in this special category.

- By applying the 2nd step of the new proposed option, ~25% of students who have originally declared as NS major would not be reinstated to their chosen major after their 1st year.
    - For Biological Sciences, ~27% of students who have declared Biological Science as their major originally would not be reinstated.

Also, we should note that ~64% of NS students, who failed to pass CHEM 1 or MATH 5 within a year since they enrolled in the course for the first time, was listed as Academic probation/Special probation/Subject to Academic Dismissal immediately after their 1st fall semester.

Descriptions of Analysis

1. Table 1 illustrates a number of the first-time freshman students who are declaring one of disciplines in the School of Natural Sciences (NS) and numbers for each major.

STEP ONE

To assess an effectiveness of the1st step of the new proposed plan, Chemistry and Mathematics placement (Assessment) tests for three cohorts of freshmen in F07, F08, and

F09 were analyzed. Since all incoming NS freshmen, except those who were exempted by their AP scores, are required to take both chemistry and mathematics placement tests.

1. Table 2 illustrates outcomes from Chemistry Placement tests. The scoring rubric that we have been using is: 18 or less score – eligible for CHEM 001. 19 or more score – eligible for CHEM 002.

2. Table 3 shows outcomes from Math Placement tests. Note: More students failed in Math exam than chem. The scoring rubric that we have been using is: 19 or less score – eligible for MATH 005. 20 or more score – eligible for MATH 021.

3. Figure 1 displays good correlations between Math and Chem placement scores for NS freshman students who took both assessment exams. Note: Students have tended to do better in Chem than Math tests.

4. Table 4 shows the summary of first-time freshman students who have failed on the placement test(s). According to the new proposal option, these students would be placed in a special category - "Removal from declared major" or "demajored". To compare the numbers with Table 1,

    a. 71.9% (146 out of 203) of NS 1st time freshmen in Fall 07 were required to take either CHEM 1 or Math 5 or both. In other words, 71.9 % of NS major freshman students would be removed from their declared major.
    b. 70.6% (163 out of 231) of NS 1st time freshmen in Fall 08 were required to take either CHEM 1 or Math 5 or both.
    c. 62.6% (249 out of 398) of NS 1st time freshmen in Fall 09 were required to take either CHEM 1 or Math 5 or both.

5. Table 5 illustrates demographics of each fall cohort of freshman students who failed either Math or Chem or both placement tests. Again, these numbers should be compared with those in Table 1. For example,
    a. 80.7% (117 out of 145) of Biological Science major freshman students must take CHEM 1 or MATH 5 or both. In other words, 80.7% of Biological Science major freshman students would be removed from their declared major.
    b. 81.4% (131 out of 160) of Biological Science major freshman students must take CHEM 1 or MATH 5 or both.
    c. 66.9% (188 out of 281) of Biological Science major freshman students must take CHEM 1 or MATH 5 or both.

STEP TWO (a)

To assess an effectiveness of the 2nd step of "Limit Early" option, "Removal from NS", we studied academic performance of freshman students who enrolled in either CHEM 1 or MATH 5 or both.

6. Table 6 display # of 1st year freshman students from each Fall cohort who failed to pass either CHEM 1 or MATH 5 or both within their 1st year at UC Merced. According to the new plan, these students would not be reinstated to their intended majors. This also includes a distribution of majors and demographics of those students.

    a. F07 – 25.5% (37 out of 146) of students, who were required to take either CHEM 1 or MATH 5 or both, failed to pass at least one of those courses. This shows that 20.7% (30 out of 145) of originally declared Biological Science majors in the cohort would not be reinstated.
    b. F08 – 26.3% (43 out of 163) of students failed to pass. For example, 23.8% (38 out of 160) of originally declared Biological Science majors in the cohort would not be reinstated.

7. Table 7 shows current academic standing of 1st year freshman students listed in Table 6. Here AP/SP/SAD indicate "Academic Probation", "Special Probation", "Subject to Academic Dismissal", respectively.
    a. ~64% of those students were categorized as AP/SP/SAD immediately after their 1st fall semester.
    b. ~24% of those students of F07 and F08 have been academically dismissed from UC Merced.

Currently all first-time freshman student which were required to take CHEM 1 or MATH 5 are not able to take those courses at their first semester:

Reason:
1. Not enough spaces in those courses to accommodate all students at their first semester. Many students from other schools (SSHA and Engineering) are also required to take these courses, especially MATH 5. We are not able to accommodate all NS students.
2. # of student who need to take these ramp-up courses have been more than one that we have anticipated.

In general, by their 1st Spring semester, all freshman student who need to take CHEM 1 and MATH 5 are able to enroll in their ramp-up courses:

STEP TWO (b)

Here we will make new analysis of how students do CHEM 1 and MATH 5 within a year since they enrolled in those courses for the first time. To make a better assessment for the 2nd step of the new plan, we analyzed fall semester cohorts since 2005 and overall.

1. Table 8 describes each fall semester cohort distribution of CHEM 1 enrollments and outcomes within a year.

    a. Each cohort represents # of NS students who enrolled in CHEM 1 for the first time in the particular fall semester.

b. By comparing Table 2, not all of 1st time freshman students who were required to take CHEM 1 were enrolled in the fall semester. i.e. According to Table 2, 108 freshmen for fall 08 must take CHEM 1. However, only 94 freshmen enrolled in the course.
c. ~77% of NS students have passed CHEM 1 within one year since they enrolled in the course for the first time.

2. Table 9 shows distributions of majors of NS students who enrolled in CHEM 1 in each fall. Certainly, majorities (~84%) of NS students in each cohort declared biological sciences as their majors.

3. Table 10 describes each fall semester cohort distribution of MATH 5 enrollments and outcomes within a year.

    a. Each cohort represents # of NS students who enrolled in MATH 5 for the first time in the particular fall semester.
    b. By comparing Table 3, not all of 1st time freshman students who were required to take MATH 5 were enrolled in the fall semester. i.e. According to Table 3, 231 freshmen for fall 09 must take MATH 5. However, only 189 freshmen enrolled in the course.
    c. For fall 09, 42 freshman students were not able to enrolled in MATH 5. The was resulted from no available space in MATH 5 course.
    d. ~67.0% of NS students have passed MATH 5 within one year since they enrolled in the course for the first time.

4. Table 11 shows distributions of majors of NS students who enrolled in MATH 5 in each fall semester. This also illustrates that majorities (~ 80%) of NS students in each cohort were biological sciences majors.

5. Table 12 illustrates students who failed to pass either CHEM 1 or MATH 5 or both within one year since they enrolled in the courses for the first time. The table also includes demographics and majors of those students. These students were subject for the 2nd step of the proposed plan:

    a. Fall 05, 36.6% of original NS majors would not be reinstated.
    b. Fall 06, 13.8% of original NS majors would not be reinstated.
    c. Fall 07, 17.7% of original NS majors would not be reinstated.
    d. Fall 08, 24.6% of original NS majors would not be reinstated.

    These numbers are similar to the outcomes in Table 6.

6. Table 13 displays current academic standings of NS students who failed to pass either CHEM 1 or MATH 5 or both within one year since they enrolled in the courses for the first time.
    a. ~64% of those students were categorized as AP/SP/SAD immediately after the fall semester.

b. ~25% of those students were academically dismissed from UC Merced.

Table 1 First-Time Freshman By Major

	Fall 05	**Fall 06**	**Fall 07**	**Fall 08**	**Fall 09**
Total NS Majors	**234**	**117**	**203**	**231**	**398**
Biological Sciences	192	95	145	160	281
Chemical Sciences	0	5	19	25	53
Physics	0	5	8	8	11
Earth Systems Science	7	4	6	2	9
Mathematics	0	3	11	12	20
Undeclared NS	35	5	14	24	24

Table 2 Chemistry Placement Test outcomes for F07 ~ F09

	Fall 07	**Fall 08**	**Fall 09**
# of NS students who took CHEM Placement	203 (10)	220 (17)	324 (0)
# of students who passed**	126	129	178
# of students who failed**	87	108	146

* # in the parenthesis indicates # of students whose scores were not available.
** Scoring Rubric: 19 or more - eligible for CHEM 2: 18 or less - must take CHEM 1.

Table 3 Mathematics Placement Test outcomes for F07 ~ F09

	Fall 07	**Fall 08**	**Fall 09**
# of NS students who took MATH Placement	206 (7)	227 (10)	331 (0)
# of students who passed**	73	89	100
# of students who failed**	140	148	231

* # in the parenthesis indicates # of students whose scores were not available.
**Scoring Rubric: 20 or more – eligible for MATH 21: 19 or less – must take MATH 5.

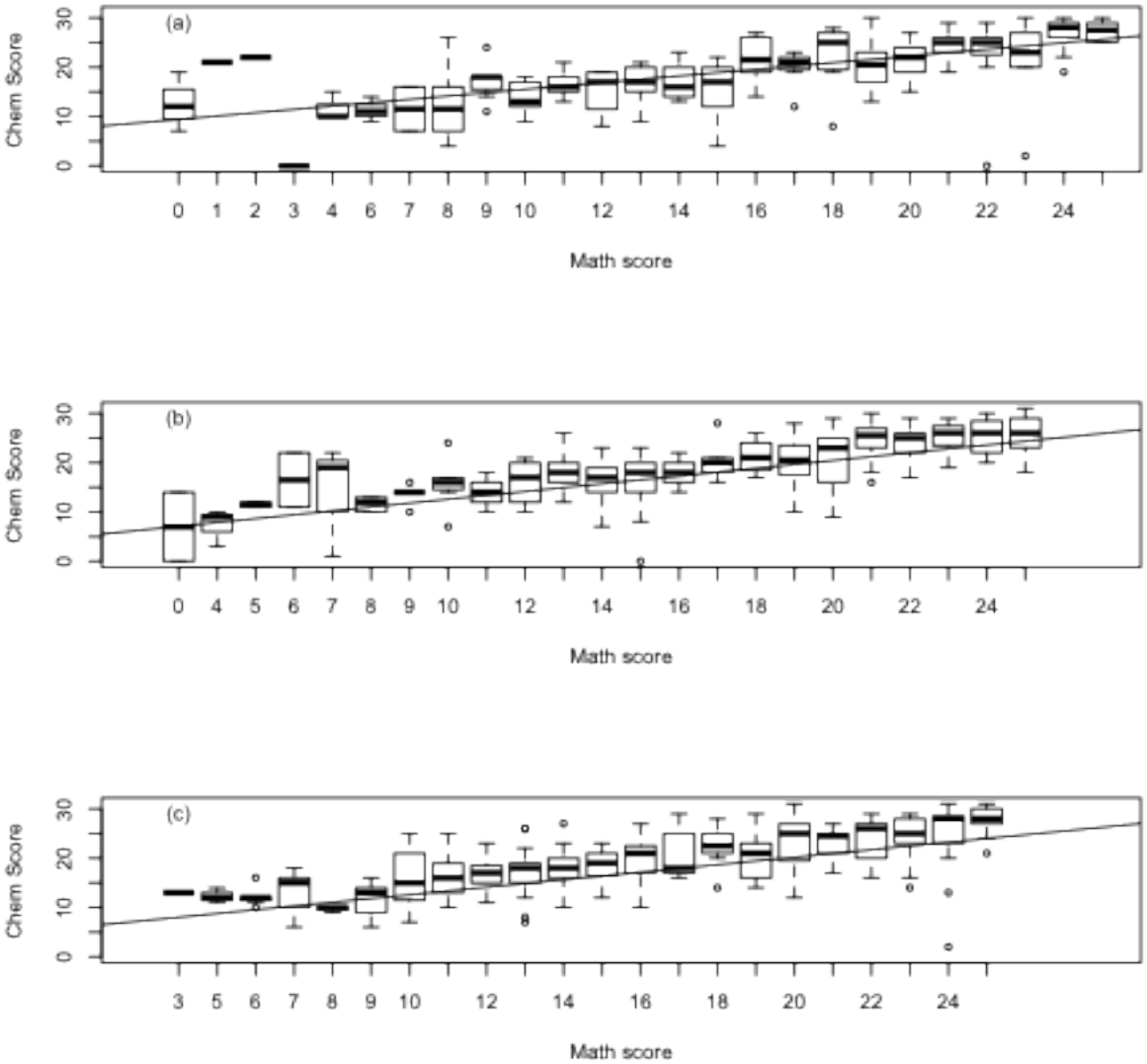

Figure 1 Math and Chem Placement score correlation: (a) F07, (b) F08, and (c) F09 information. A straight line in each plot represents a regression line with (a) $R^2 = 0.395$, (b) $R^2 = 0.503$, and (c) $R^2 = 0.453$. Note: a boxplot (also known as a box-and-whisker diagram or plot) is a way of graphically depicting groups of numerical data through their five-number summaries: the smallest observation (sample minimum), lower quartile (Q1 or 25%), median (Q2or 50%), upper quartile (Q3 or 75%), and largest observation (sample maximum). Circles in the boxplot indicate which observations, if any, might be considered outliers.

Table 4 Summary of first-time freshmen who failed on the placement test.

	Fall 07	**Fall 08**	**Fall 09**
# of NS student who failed only CHEM placement	6	15	18
# of NS students who failed only MATH placement	59	55	103
# of NS students who failed both placements	81	93	128
Total*	146 (71.9%)	163 (70.6%)	249 (62.6%)

* # in the parenthesis indicates % respect to # of first-time freshmen (from Table 1)

Table 5 Demographics of first-time freshmen who failed on one of placement tests.

	Fall 07	**Fall 08**	**Fall 09**
Failed to pass either CHEM or MATH or both placemen	146	163	249
Gender			
Female	85 (58.2%)	91 (55.8%)	133 (53.4%)
Male	61 (41.8%)	72 (44.2%)	116 (46.6%)
Majors			
Biological Sciences	117 (80.1%)	131 (80.4%)	188 (75.5%)
Chemical Sciences	12 (8.2%)	10 (6.1%)	26 (10.4%)
Physics	3 (2.1%)	6 (3.7%)	3 (1.2%)
Earth Systems Science	2 (1.4%)	2 (1.2%)	8 (3.2%)
Mathematics	4 (2.7%)	4 (2.5%)	10 (4.0%)
Undeclared NS	8 (5.5%)	10 (6.1%)	14 (5.6%)
Ethnicity			
African-American/Black	3 (2.1%)	6 (3.7%)	15 (6.0%)
Hispanic	59 (40.4%)	55 (33.5%)	109 (43.8%)
Asian	47 (32.2%)	53 (32.5%)	51 (20.5%)
White/Caucasian	25 (17.1%)	37 (22.7%)	61 (24.5%)
Other	12 (8.2%)	12 (7.4%)	13 (3.2%)

Table 6 Demographics of freshman students who failed to pass either CHEM or MATH or both within their 1st year.

	Fall 07	**Fall 08**	**Fall 09***
Failed to pass either CHEM1 or MATH5 or both within 1st year.	37 (25.3%)	43 (26.3%)	81 (55.5%)
Gender			
Female	17	28	54
Male	20	15	27
Majors			
Biological Sciences	30	38	64
Chemical Sciences	3	1	5
Physics	1	0	1
Earth Systems Science	0	1	3
Mathematics	1	0	6
Undeclared NS	2	3	2
Ethnicity			
African-American/Black	2	2	10
Hispanic	11	21	38
Asian	12	10	19
White/Caucasian	9	6	12
Other	3	4	2

* Information on Fall 09 is partial: Data from just the fall semester.

Table 7 Current academic standings of freshman students who failed to pass either CHEM or MATH or both within their 1st year.

	Fall 07	**Fall 08**	**Fall 09***
Failed to pass either CHEM1 or MATH5 or both within their 1st year.	37 (26)	43 (27)	81 (51)
Academic Dismissal as of Fall 09	12	7	3
Currently Academic Probation or Special Probation as of Fall 09	6	13	48

in the parenthesis indicates # of students who were categorized as AP/SP/SAD immediately after the fall semester.
* Information on Fall 09 is partial: Data from just the fall semester.

Table 8 Academic Performance of Fall cohort of students who enrolled in CHEM 1 for the first time between F05 ~ F09

	Fall Cohort Distribution					F05-SU09 (All semesters, not including Fall 09)
	Fall 05	**Fall 06**	**Fall 07**	**Fall 08**	**Fall 09**	
# of NS students who enrolled in CHEM 1 for the first time	136 [127]	55 [48]	33 [33]	111 [94]	149 [140]	425
# of students who passed on their 1st time	84	36	19	77	99	290
# of students who retook and passed within one year.	14	5	4	14		38
Total of students who passed within a year	98 (72.1%)	41 (74.5%)	23 (69.7%)	91 (82.0%)		328 (77.2%)

* # in the bracket indicates # of students who were freshmen.

Table 9 Distributions of majors of NS students who enrolled in CHEM 1 in each fall for the first time.

	Fall Cohort Distribution					F05-SU09 (All semesters, not including Fall 09)
	Fall 05	**Fall 06**	**Fall 07**	**Fall 08**	**Fall 09**	
# of NS students who enrolled in CHEM 1 for the first time	136	55	33	111	149	425
Biological Sciences	119	47	21	92	121	355
Chemical Sciences	0	2	4	8	14	19
Physics	0	0	1	2	2	5
Earth Systems Science	4	2	1	2	4	11
Mathematics	0	0	2	3	4	6
Undeclared NS	13	4	4	4	4	29

Table 10 Academic Performance of Fall cohort of students who enrolled in MATH 5 for the first time between F05 ~ F09

	Fall Semester Cohort					F05-SU09 (All semesters, not including Fall 09)
	Fall 05	**Fall 06**	**Fall 07**	**Fall 08**	**Fall 09**	
# of NS students who enrolled in MATH 5 for the first time	163 [158]	38 [35]	99 [93]	137 [127]	200 [189]	503
# of students who passed on their 1st time	67	24	65	75	136	273
# of students who retook and passed within one year.	35	4	5	17		64
Total of students who passed within a year	102 (62.6%)	28 (73.7%)	70 (70.7%)	92 (67.2%)		337 (67.0%)

* # in the blacket indicates # of students who were freshmen.

Table 11 Distributions of majors of NS students who enrolled in MATH 5 in each fall for the first time.

	Fall Semester Cohort					F05-SU09 (All semesters, not including Fall 09)
	Fall 05	**Fall 06**	**Fall 07**	**Fall 08**	**Fall 09**	
# of NS students who enrolled in MATH 5 for the first time	163	38	99	137	200	503
Biological Sciences	137	32	78	107	152	407
Chemical Sciences	0	3	8	12	23	27
Physics	0	1	4	5	2	10
Earth Systems Science	4	0	2	2	6	11
Mathematics	0	0	2	2	8	6
Undeclared NS	22	2	5	9	9	42

Table 12 Summary of NS Students who failed to pass either CHEM 1 or MATH 5 or both within one year since they enrolled in the courses for the first time.

	F05			**F06**			**F07**			**F08**		
Total # of students who failed to pass either CHEM1 or MATH5 or both within one year.	86			16			36			57		
Subject(s) which students failed to pass within one year.	CHEM01	MATH05	BOTH	CHEM01	MATH05	BOTH	CHEM01	MATH05	BOTH	CHEM01	MATH05	BOTH
	25	48	13	6	2	8	7	26	3	12	37	8
Gender												
Female	14	26	11	4	0	6	5	15	1	7	23	8
Male	10	22	2	2	2	2	2	11	2	5	14	0
Not Reported	1	0	0	0	0	0	0	0	0	0	0	0
Majors												
Biological Sciences	21	38	11	3	2	7	6	22	1	11	32	7
Chemical Sciences	0	0	0	0	0	1	0	2	0	0	1	0
Physics	0	0	0	0	0	0	0	1	0	0	0	0
Earth Systems Science	2	1	1	0	0	0	0	1	0	0	1	0
Mathematics	0	0	0	0	0	0	1	0	0	0	0	0
Undeclared NS	2	9	1	3	0	0	0	0	2	1	3	1
Ethnicity												
African-American/Black	1	6	2	2	0	0	0	1	0	0	4	0
Hispanic	9	16	5	1	0	1	3	7	2	6	15	5
Asian	9	14	3	1	1	4	2	5	1	4	10	1
White/Caucasian	4	11	3	1	0	2	2	8	0	1	4	2
Other	2	1	0	1	1	1	0	5	0	1	4	0

Table 13 Current academic standings of NS students who failed to pass either CHEM or MATH or both within one year since they enrolled in the courses for the first time.

	Fall 05	**Fall 06**	**Fall 07**	**Fall 08**
Failed to pass either CHEM1 or MATH5 or both within one year.	86 (52)	16 (13)	36 (26)	57 (33)
Academic Dismissal as of Fall 09	18	9	12	10
Currently Academic Probation or Special Probation as of Fall 09	16	2	6	15

* # in the parenthesis indicates # of students who were categorized as AP/SP/SAD immediately after the fall semester.

Supplemental Tables

Table S1: Academic Performance of Fall Cohorts: # of NS students who passed either MATH 5 or CHEM 1 or both with "C-" within a year since they enrolled the courses for the first time.

	Fall Cohort Distribution					F05-SU09 (All semesters, not including Fall 09)
	Fall 05	**Fall 06**	**Fall 07**	**Fall 08**	**Fall 09***	
# of students who passed MATH 5 with "C-" within a year	13	7	5	10	18	39
# of students who passed CHEM 1 with "C-" within a year	9	4	3	12	9	33
# of NS students who passed both MATH 5 and CHEM 1 with "C-" within a year.	1	1	0	3	2	7
Total of NS students who passed the courses with "C-" within a year	23	12	8	25	29	79

* Information on Fall 09 is partial: Data from just the fall semester.

Table S2 Current academic standings of NS students who failed to pass either CHEM or MATH or both within one year since they enrolled in the courses for the first time. (Extension of Table 14)

	Fall 05	**Fall 06**	**Fall 07**	**Fall 08**
Failed to pass either CHEM1 or MATH5 or both within one year.	86 (52)	16 (13)	36 (26)	57 (33)
Currently Academic Probation or Special Probation as of Fall 09	16	2	6	15
Academic Dismissal as of Fall 09	18	9	12	10
No longer NS major as of Fall 09	19	2	7	16
Total # of students who are no longer in NS by dismissal or de-major	37	11	19	26

* # in the parenthesis indicates # of students who were categorized as AP/SP/SAD immediately after the fall semester.

Limit-Early Policy for the School of Natural Sciences

February 12, 2010

Based on the analysis of student data, we may expect the following ramifications for a new Limit-Early policy.

Brief Summary from Analysis:

If this new policy were enforced to freshman students in each past academic year, here would be our outcomes:

1. According Table 8, 24.1% of freshman students who took MATH 5 in past academic years would be subject to de-major under the new policy. Also, 30.4% of freshman students who took CHEM 1 would be de-majored by this policy.

2. Overall, according to Table 9, the average 33.6% of freshman students who took required MATH and/or CHEM courses would not meet a school requirement by this new policy. These students would be subject to de-major.
    a. NS Freshman required MATH courses means either MATH 5 or MATH 21/11.
    b. NS Freshman required CHEM courses means either CHEM 1 or CHEM 2.

3. According to Table 10, 51.4% of those who would not meet the requirement of the new policy have been no longer in the school of Natural Sciences by either academically dismissal or de-major. This indicates that the implication of this new policy is that this new policy will de-major more NS freshman students than the current rule imposed by the university and school's minimum academic standing.

Some Comments:

1. There were numbers of students who don't take required MATH and CHEM courses in their first year. (See Table 3) If enrollment priority for these freshmen required courses would be given to NS students, this problem may be eased. Note: data for sophomores who took the required courses for the first time were not considered in this study.

2. According to first three tables (Tables 1, 2, and 3), numbers of students were not taking these required courses concurrently. This new policy will make more freshman students to take the required courses concurrently. This may bring a higher de-major rate due to some students' weak performance.

3. The Registrar will classify numbers of freshman students who have several AP exam credits as sophomores after their 1st semester. If the students who have more than 29.9 units, they will be classified as sophomores by the Registrar. In this study, these variables have been accounted. However, we may need to change the language in the policy.

Table 1 Distribution of Chemistry courses taken by freshman students in each academic year.

	Academic Year				
	2005-2006	**2006-2007**	**2007-2008**	**2008-2009**	**2009-2010**
CHEM 1	139 (127)	67 (48)	65 (33)	103 (94)	140 (140)
CHEM 2	47 (36)	30 (24)	82 (42)	117 (111)	138 (138)
CHEM 8		1 (1)	1 (1)		
CHME 10			2 (1)	1 (1)	1 (1)
Total	186	98	151	221	(279)

* # in the parenthesis indicates # of students who enrolled in Fall semester.

Table 2 Distributions of Math courses taken by freshman students in each academic year.

	Academic Year				
	2005-2006	**2006-2007**	**2007-2008**	**2008-2009**	**2009-2010**
MATH 5	169 (158)	42 (35)	116 (93)	134 (128)	189 (189)
MATH 21	20 (13)	57 (53)	47 (36)	80 (76)	68 (68)
MATH 22	4 (4)	4 (4)	12 (7)	4 (4)	5 (5)
MATH 23/24		1 (1)	1 (1)		3 (3)
Total	193	104	176	218	(265)

* # in the parenthesis indicates # of students who enrolled in Fall semester.

Table 3 # of underclassmen who took both required MATH and CHEM courses* in each academic year

	Academic Year				
	2005-2006	**2006-2007**	**2007-2008**	**2008-2009**	**2009-2010**
Freshman	174	84	126	201	211
Sophomore	16	8	13	24	13

* Required MATH and CHEM courses means either Math 5 or Math 21/11 and either Chem 1 or Chem 2, respectively.

Table 4 Academic Performance of Freshman students who enrolled in MATH 5

	Academic Year				
	2005-2006	**2006-2007**	**2007-2008**	**2008-2009**	**2009-2010**
# of NS students who enrolled in MATH 5 for the first time	169	42	116	134	189
# of students who passed on their 1st time	75	27	76	76	127
# of students who retook and passed at 2nd trial.	53	5	10	28	
Total of students who passed	128	32	86	104	
# of students would be de-majored by the new policy	**41**	**10**	**30**	**30**	

Table 5 Academic Performance of NS Freshman students who enrolled in MATH 21 as their first Mathematics course at UC Merced. Here only students who did not take MATH 5 prior to their MATH 21 are considered. (Students who passed MATH 5 and enrolled in MATH 21 are not included.)

	Academic Year				
	2005-2006	**2006-2007**	**2007-2008**	**2008-2009**	**2009-2010**
# of NS students who enrolled in MATH 21 for the first time	20	57	47	80	68
# of students who passed on their 1st time	15	47	32	58	56
# of students who retook and passed at 2nd trial.	3	5	1	3	
Total of students who passed	18	52	33	61	
# of students would be de-majored by the new policy	**2**	**5**	**14**	**19**	

Table 6 Academic Performance of NS Freshman students who enrolled in CHEM 1

	Academic Year				
	2005-2006	**2006-2007**	**2007-2008**	**2008-2009**	**2009-2010**
# of NS students who enrolled in CHEM 1 for the first time	139	67	65	103	140
# of students who passed on their 1st time	88	47	47	72	94
# of students would be de-majored by the new policy	**51**	**20**	**18**	**31**	**36**

Table 7 Academic Performance of NS Freshman students who enrolled in CHEM 2 as their first Chemistry course at UC Merced. Here only students who did not take CHEM 1 prior to their CHEM 2 are considered. (Students who passed CHEM 1 and enrolled in CHEM 2 are not included.)

	Academic Year				
	2005-2006	**2006-2007**	**2007-2008**	**2008-2009**	**2009-2010**
# of NS students who enrolled in CHEM 2 for the first time	47	30	82	117	138
# of students who passed on their 1st time	36	28	62	84	102
# of students who retook and passed at 2nd trial.	5	0	8	8	
Total of students who passed	41	28	70	92	
# of students would be de-majored by the new policy	**6**	**2**	**11**	**25**	

Table 8 Average percentages of freshman students in each course who did not meet a requirement of the new policy.

MATH5	MATH21	CHEM1	CHEM2
24.1%	19.6%	30.4%	15.9%

Table 9 Summary of NS Students who would be de-majored by new policy.

	Academic Year			
	2005-2006	**2006-2007**	**2007-2008**	**2008-2009**
Total # of Freshman students who took required CHEM and MATH courses	201	112	184	233
Total # of Freshman students who would be de-majored by the new policy	71 (35.3%)	31 (27.7%)	63 (34.2%)	80 (34.3%)
Gender				
Female	45	23	34	47
Male	25	8	29	33
Not Reported	1	0	0	0
Majors				
Biological Sciences	59	26	53	63
Chemical Sciences	0	1	2	6
Physics	0	0	2	2
Earth Systems Science	3	1	2	1
Mathematics	0	0	1	2
Undeclared NS	9	3	3	6
Ethnicity				
African-American/Black	6	4	4	6
Hispanic	25	11	22	30
Asian	24	9	15	29
White/Caucasian	11	4	13	10
Other	5	3	9	5

* # in the parenthesis indicates % respect to # of total freshman took either CHEM or MATH or both

Table 10 Current academic standings of NS students who would be de-majored by the new policy.

	Academic Year			
	2005-06	**2006-07**	**2007-08**	**2008-09**
Total # of Freshman students who would be de-majored by the new policy	71	31	63	80
Academic Standing as of Fall 09				
NS major with current Academic Probation or Special Probation	4	4	8	21
Academic Dismissal	27	14	26	16
No longer NS majors	15	8	8	12
Total # of students who are no longer in NS by dismissal or de-major	42	22	34	28

Limit-Early Policy for the School of Natural Sciences
Supplement

Supplemental Comments:

- According to the university development plan, a total number of undergraduate students will grow by ~ 530 undergraduate students per year. This number is a net gain per year. (See Figure S1.)
- Figure S2 illustrate a projected growth in the School of Natural Sciences after adapting the new policy.

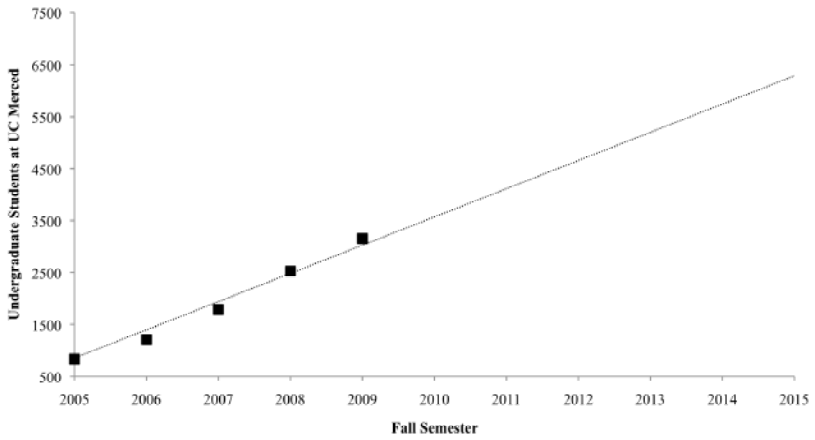

Figure S1 Projected growth of students at UC Merced. Black squares represent actual data from IPA. Dotted line indicates a projected growth of undergraduate students. (Data from UC Merced Long Range Development Plan - http://lrdp.ucmerced.edu/)

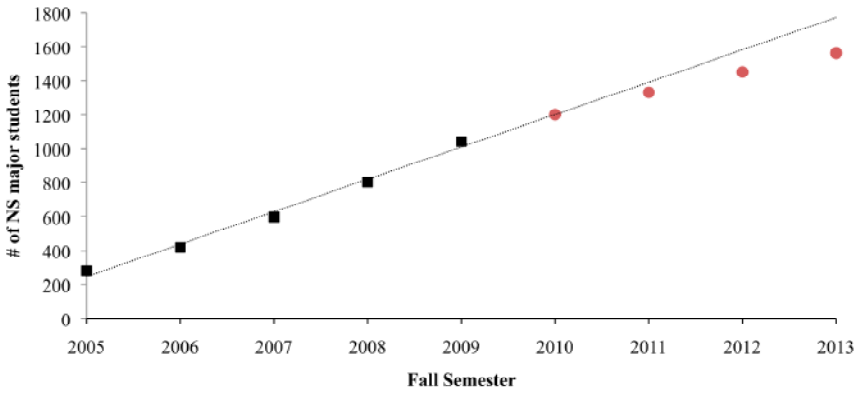

Figure S2 Projected growth of students in the school of Natural Sciences. Black squares represent actual data from IPA. Dotted line indicates a projected growth of biological sciences majors (including undeclared NS). Red circles represent projected numbers of students if Early Limit policy is adapted from Fall 2010.

UNIVERSITY OF CALIFORNIA, MERCED
Institutional Planning and Analysis

BERKELEY • DAVIS • IRVINE • LOS ANGELES • MERCED • RIVERSIDE • SAN DIEGO • SAN FRANCISCO SANTA BARBARA • SANTA CRUZ

Date: July 10, 2010
To: Charles Nies
From: Michael Roona
Re: Natural Science Early Progress Policy Analysis

The attached reports pool data from the Fall 2005, 2006, 2007, 2008, and 2009 cohorts of entering first time freshmen. For 2005-2008, only students who began in Natural Sciences and remained in Natural Sciences on the fall census date one year after they entered UC Merced are included. The 2009 cohort consists of students who began in Natural Sciences and remained in Natural Sciences on the census date the following spring, since fall 2010 enrollment data are not yet available.

The results are broken into two reports. The primary analysis report is broken down by cohort, so you can see the variation across years as well as the pooled results. The demographic report only contains pooled results. In both cases, the reports start with the big picture and drill down to specifics. The first part shows the number (second table) and percent (third table) of entering freshmen who successfully completed both the CHEM and MATH requirement within their first academic year, where successful completion of requirements means they earned a C- or better in either (CHEM 001 or CHEM 002) and (MATH 005 or MATH 011 or MATH 021). The second part shows the number and percent who successfully completed at least one of the required CHEM courses within the first year. The third part shows those who successfully completed at least one of the required MATH courses within the first year. Subsequent parts show those who successfully completed each of the specific courses, broken down by term (e.g., the number and percent of freshmen who successfully completed CHEM 001 during their first term at UC Merced). In all parts of both the primary analysis and demographic report, percents sum to 100 within each column.

For the "big picture" results presented in the first three parts of each report, students are coded as either having completed the requirement or not, i.e., students who did not take the required courses are coded as having not completed the requirement. For the detailed results presented for each course by term, students who did not take the required course(s) are excluded from the results. This is why zero missing cases are reported in the Case Processing Summary (the first table in each part) for the first three "big picture" parts, but for subsequently parts, there are many missing cases. Note that for this analysis, students who registered for a course but withdrew are coded as having not attempted the course, as are students who earned incompletes. Only students who earned a letter grade that could be converted into grade points are counted as having taken the course.

While the primary analysis report is broken down by cohorts, the demographic report is broken down by demographic variables. The variables used are Pell Eligible, Lived in Residence Hall, Sex, Citizenship, and Race. In all cases, the demographics are based on the students' first term at UC Merced (e.g., students who were Pell Eligible their first semester are coded as Pell Eligible even if they were not eligible during subsequent semesters).

Finally, please note that MATH 011 has not yet been offered at UC Merced. This is why there are no MATH 011 tables in the primary analysis or demographic reports. Also, pursuant to our e-mail exchange, summer courses were not included but students whose second major is in Natural Sciences have been included.

Natural Science Early Progress Primary Analysis Results

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
both Got C- minus or better in both MATH&CHEM within first year? * cohort	923	100.0%	0	.0%	923	100.0%

both Got C- minus or better in both MATH&CHEM within first year? * cohort Crosstabulation

Count

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
both Got C- minus or better in both MATH&CHEM within first year?	0 Did not pass	85	21	62	53	159	380
	1 Passed	99	63	80	119	182	543
Total		184	84	142	172	341	923

both Got C- minus or better in both MATH&CHEM within first year? * cohort Crosstabulation

% within cohort

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
both Got C- minus or better in both MATH&CHEM within first year?	0 Did not pass	46.2%	25.0%	43.7%	30.8%	46.6%	41.2%
	1 Passed	53.8%	75.0%	56.3%	69.2%	53.4%	58.8%
Total		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
chem Got C- minus or better in CHEM 1 or 2 within first year? * cohort	923	100.0%	0	.0%	923	100.0%

chem Got C- minus or better in CHEM 1 or 2 within first year? * cohort Crosstabulation

Count

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
chem Got C- minus or better in CHEM 1 or 2 within first year?	0 Did not pass	39	11	34	20	105	209
	1 Passed	145	73	108	152	236	714
Total		184	84	142	172	341	923

chem Got C- minus or better in CHEM 1 or 2 within first year? * cohort Crosstabulation

% within cohort

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
chem Got C- minus or better in CHEM 1 or 2 within first year?	0 Did not pass	21.2%	13.1%	23.9%	11.6%	30.8%	22.6%
	1 Passed	78.8%	86.9%	76.1%	88.4%	69.2%	77.4%
Total		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
math Got C- minus or better in MATH 5, 11, or 21 within first year? * cohort	923	100.0%	0	.0%	923	100.0%

math Got C- minus or better in MATH 5, 11, or 21 within first year? * cohort Crosstabulation

Count

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
math Got C- minus or better in MATH 5, 11, or 21 within first year?	0 Did not pass	67	12	41	42	105	267
	1 Passed	117	72	101	130	236	656
Total		184	84	142	172	341	923

math Got C- minus or better in MATH 5, 11, or 21 within first year? * cohort Crosstabulation

% within cohort

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
math Got C- minus or better in MATH 5, 11, or 21 within first year?	0 Did not pass	36.4%	14.3%	28.9%	24.4%	30.8%	28.9%
	1 Passed	63.6%	85.7%	71.1%	75.6%	69.2%	71.1%
Total		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
chem001_term1 Got C-minus or better in CHEM 1 during first term? * cohort	338	36.6%	585	63.4%	923	100.0%

chem001_term1 Got C-minus or better in CHEM 1 during first term? * cohort Crosstabulation

Count

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
chem001_term1 Got C-minus or better in CHEM 1 during first term?	0 Did not pass	22	6	5	8	36	77
	1 Passed	76	27	13	57	88	261
Total		98	33	18	65	124	338

chem001_term1 Got C-minus or better in CHEM 1 during first term? * cohort Crosstabulation

% within cohort

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
chem001_term1 Got C-minus or better in CHEM 1 during first term?	0 Did not pass	22.4%	18.2%	27.8%	12.3%	29.0%	22.8%
	1 Passed	77.6%	81.8%	72.2%	87.7%	71.0%	77.2%
Total		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
chem001_term2 Got C-minus or better in CHEM 1 during second term? * cohort	102	11.1%	821	88.9%	923	100.0%

chem001_term2 Got C-minus or better in CHEM 1 during second term? * cohort Crosstabulation

Count

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
chem001_term2 Got C-minus or better in CHEM 1 during second term?	0 Did not pass	3	1	0	2	10	16
	1 Passed	14	16	26	8	22	86
Total		17	17	26	10	32	102

chem001_term2 Got C-minus or better in CHEM 1 during second term? * cohort Crosstabulation

% within cohort

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
chem001_term2 Got C-minus or better in CHEM 1 during second term?	0 Did not pass	17.6%	5.9%		20.0%	31.3%	15.7%
	1 Passed	82.4%	94.1%	100.0%	80.0%	68.8%	84.3%
Total		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
chem002_term1 Got C-minus or better in CHEM 2 during first term? * cohort	343	37.2%	580	62.8%	923	100.0%

chem002_term1 Got C-minus or better in CHEM 2 during first term? * cohort Crosstabulation

Count

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
chem002_term1 Got C-minus or better in CHEM 2 during first term?	0 Did not pass	3	1	3	15	27	49
	1 Passed	36	25	38	79	116	294
Total		39	26	41	94	143	343

chem002_term1 Got C-minus or better in CHEM 2 during first term? * cohort Crosstabulation

% within cohort

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
chem002_term1 Got C-minus or better in CHEM 2 during first term?	0 Did not pass	7.7%	3.8%	7.3%	16.0%	18.9%	14.3%
	1 Passed	92.3%	96.2%	92.7%	84.0%	81.1%	85.7%
Total		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
chem002_term2 Got C-minus or better in CHEM 2 during second term? * cohort	305	33.0%	618	67.0%	923	100.0%

chem002_term2 Got C-minus or better in CHEM 2 during second term? * cohort Crosstabulation

Count

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
chem002_term2 Got C-minus or better in CHEM 2 during second term?	0 Did not pass	4	0	13	13	40	70
	1 Passed	63	27	38	49	58	235
Total		67	27	51	62	98	305

chem002_term2 Got C-minus or better in CHEM 2 during second term? * cohort Crosstabulation

% within cohort

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
chem002_term2 Got C-minus or better in CHEM 2 during second term?	0 Did not pass	6.0%		25.5%	21.0%	40.8%	23.0%
	1 Passed	94.0%	100.0%	74.5%	79.0%	59.2%	77.0%
Total		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
math005_term1 Got C-minus or better in MATH 5 during first term? * cohort	468	50.7%	455	49.3%	923	100.0%

math005_term1 Got C-minus or better in MATH 5 during first term? * cohort Crosstabulation

Count

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
math005_term1 Got C-minus or better in MATH 5 during first term?	0 Did not pass	56	2	17	30	45	150
	1 Passed	66	16	51	57	128	318
Total		122	18	68	87	173	468

math005_term1 Got C-minus or better in MATH 5 during first term? * cohort Crosstabulation

% within cohort

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
math005_term1 Got C-minus or better in MATH 5 during first term?	0 Did not pass	45.9%	11.1%	25.0%	34.5%	26.0%	32.1%
	1 Passed	54.1%	88.9%	75.0%	65.5%	74.0%	67.9%
Total		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
math005_term2 Got C-minus or better in MATH 5 during second term? * cohort	142	15.4%	781	84.6%	923	100.0%

math005_term2 Got C-minus or better in MATH 5 during second term? * cohort Crosstabulation

Count

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
math005_term2 Got C-minus or better in MATH 5 during second term?	0 Did not pass	11	0	15	1	24	51
	1 Passed	24	5	15	9	38	91
Total		35	5	30	10	62	142

math005_term2 Got C-minus or better in MATH 5 during second term? * cohort Crosstabulation

% within cohort

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
math005_term2 Got C-minus or better in MATH 5 during second term?	0 Did not pass	31.4%		50.0%	10.0%	38.7%	35.9%
	1 Passed	68.6%	100.0%	50.0%	90.0%	61.3%	64.1%
Total		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
math021_term1 Got C-minus or better in MATH 21 during first term? * cohort	246	26.7%	677	73.3%	923	100.0%

math021_term1 Got C-minus or better in MATH 21 during first term? * cohort Crosstabulation

Count

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
math021_term1 Got C-minus or better in MATH 21 during first term?	0 Did not pass	2	6	2	10	15	35
	1 Passed	15	45	30	59	62	211
Total		17	51	32	69	77	246

math021_term1 Got C-minus or better in MATH 21 during first term? * cohort Crosstabulation

% within cohort

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
math021_term1 Got C-minus or better in MATH 21 during first term?	0 Did not pass	11.8%	11.8%	6.3%	14.5%	19.5%	14.2%
	1 Passed	88.2%	88.2%	93.8%	85.5%	80.5%	85.8%
Total		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Crosstabs

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
math021_term2 Got C-minus or better in MATH 21 during second term? * cohort	318	34.5%	605	65.5%	923	100.0%

math021_term2 Got C-minus or better in MATH 21 during second term? * cohort Crosstabulation

Count

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
math021_term2 Got C-minus or better in MATH 21 during second term?	0 Did not pass	15	6	6	26	39	92
	1 Passed	53	10	45	39	79	226
Total		68	16	51	65	118	318

math021_term2 Got C-minus or better in MATH 21 during second term? * cohort Crosstabulation

% within cohort

		cohort					Total
		200530 Fall 2005	200630 Fall 2006	200730 Fall 2007	200830 Fall 2008	200930 Fall 2009	
math021_term2 Got C-minus or better in MATH 21 during second term?	0 Did not pass	22.1%	37.5%	11.8%	40.0%	33.1%	28.9%
	1 Passed	77.9%	62.5%	88.2%	60.0%	66.9%	71.1%
Total		100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Natural Science Early Progress Demographic Results

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
pell Was freshman Pell eligible during first term? * both Got C- minus or better in both MATH&CHEM within first year?	923	100.0%	0	.0%	923	100.0%

pell Was freshman Pell eligible during first term? * both Got C- minus or better in both MATH&CHEM within first year? Crosstabulation

Count

		both Got C- minus or better in both MATH&CHEM within first year?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	203	323	526
	1 Yes	177	220	397
Total		380	543	923

pell Was freshman Pell eligible during first term? * both Got C- minus or better in both MATH&CHEM within first year? Crosstabulation

% within both Got C- minus or better in both MATH&CHEM within first year?

		both Got C- minus or better in both MATH&CHEM within first year?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	53.4%	59.5%	57.0%
	1 Yes	46.6%	40.5%	43.0%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
dorm Did freshman live on campus during first term? * both Got C- minus or better in both MATH&CHEM within first year?	923	100.0%	0	.0%	923	100.0%

dorm Did freshman live on campus during first term? * both Got C- minus or better in both MATH&CHEM within first year? Crosstabulation

Count

		both Got C- minus or better in both MATH&CHEM within first year?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	81	114	195
	Y	299	429	728
Total		380	543	923

dorm Did freshman live on campus during first term? * both Got C- minus or better in both MATH&CHEM within first year? Crosstabulation

% within both Got C- minus or better in both MATH&CHEM within first year?

		both Got C- minus or better in both MATH&CHEM within first year?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	21.3%	21.0%	21.1%
	Y	78.7%	79.0%	78.9%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
sex Gender of freshman during first term * both Got C- minus or better in both MATH&CHEM within first year?	923	100.0%	0	.0%	923	100.0%

sex Gender of freshman during first term * both Got C- minus or better in both MATH&CHEM within first year? Crosstabulation

Count

		both Got C- minus or better in both MATH&CHEM within first year?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	217	307	524
	M	163	234	397
	N	0	2	2
Total		380	543	923

sex Gender of freshman during first term * both Got C- minus or better in both MATH&CHEM within first year? Crosstabulation

% within both Got C- minus or better in both MATH&CHEM within first year?

		both Got C- minus or better in both MATH&CHEM within first year?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	57.1%	56.5%	56.8%
	M	42.9%	43.1%	43.0%
	N		.4%	.2%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
citizen Citizenship of freshman during first term * both Got C- minus or better in both MATH&CHEM within first year?	923	100.0%	0	.0%	923	100.0%

citizen Citizenship of freshman during first term * both Got C- minus or better in both MATH&CHEM within first year? Crosstabulation

Count

		both Got C- minus or better in both MATH&CHEM within first year?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term		0	1	1
	N	1	3	4
	NI	1	3	4
	PR	33	50	83
	RF	0	1	1
	Y	345	485	830
Total		380	543	923

citizen Citizenship of freshman during first term * both Got C- minus or better in both MATH&CHEM within first year? Crosstabulation

% within both Got C- minus or better in both MATH&CHEM within first year?

		both Got C- minus or better in both MATH&CHEM within first year?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term			.2%	.1%
	N	.3%	.6%	.4%
	NI	.3%	.6%	.4%
	PR	8.7%	9.2%	9.0%
	RF		.2%	.1%
	Y	90.8%	89.3%	89.9%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
race Race of freshman during first term * both Got C- minus or better in both MATH&CHEM within first year?	923	100.0%	0	.0%	923	100.0%

race Race of freshman during first term * both Got C- minus or better in both MATH&CHEM within first year? Crosstabulation

Count

		both Got C- minus or better in both MATH&CHEM within first year?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	24	29	53
	AI American Indian/Alaska Native	4	3	7
	CH Chinese/Chinese-American	34	60	94
	DS Decline to State	3	9	12
	EI East Indian/Pakistani	24	34	58
	FP Filipino/Filipino-American	24	70	94
	JA Japanese/Japanese-American	4	6	10
	KO Korean/Korean-American	10	9	19
	LA Other Spanish-American/Latino	18	23	41
	MX Mexican/Mexican-American/Chicano	95	111	206
	OA Other Asian	23	43	66
	OT Other	14	7	21
	PI Pacific Islander	4	5	9
	UN Unknown	1	2	3
	VT Vietnamese/Viet-American	22	25	47
	WH White/Caucasian/Euro-American	76	107	183
Total		380	543	923

race Race of freshman during first term * both Got C- minus or better in both MATH&CHEM within first year? Crosstabulation

% within both Got C- minus or better in both MATH&CHEM within first year?

		both Got C- minus or better in both MATH&CHEM within first year?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	6.3%	5.3%	5.7%
	AI American Indian/Alaska Native	1.1%	.6%	.8%
	CH Chinese/Chinese-American	8.9%	11.0%	10.2%
	DS Decline to State	.8%	1.7%	1.3%
	EI East Indian/Pakistani	6.3%	6.3%	6.3%
	FP Filipino/Filipino-American	6.3%	12.9%	10.2%
	JA Japanese/Japanese-American	1.1%	1.1%	1.1%
	KO Korean/Korean-American	2.6%	1.7%	2.1%
	LA Other Spanish-American/Latino	4.7%	4.2%	4.4%
	MX Mexican/Mexican-American/Chicano	25.0%	20.4%	22.3%
	OA Other Asian	6.1%	7.9%	7.2%
	OT Other	3.7%	1.3%	2.3%
	PI Pacific Islander	1.1%	.9%	1.0%
	UN Unknown	.3%	.4%	.3%
	VT Vietnamese/Viet-American	5.8%	4.6%	5.1%
	WH White/Caucasian/Euro-American	20.0%	19.7%	19.8%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
pell Was freshman Pell eligible during first term? * chem Got C- minus or better in CHEM 1 or 2 within first year?	923	100.0%	0	.0%	923	100.0%

pell Was freshman Pell eligible during first term? * chem Got C- minus or better in CHEM 1 or 2 within first year? Crosstabulation

Count

		chem Got C- minus or better in CHEM 1 or 2 within first year?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	108	418	526
	1 Yes	101	296	397
Total		209	714	923

pell Was freshman Pell eligible during first term? * chem Got C- minus or better in CHEM 1 or 2 within first year? Crosstabulation

% within chem Got C- minus or better in CHEM 1 or 2 within first year?

		chem Got C- minus or better in CHEM 1 or 2 within first year?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	51.7%	58.5%	57.0%
	1 Yes	48.3%	41.5%	43.0%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
dorm Did freshman live on campus during first term? * chem Got C- minus or better in CHEM 1 or 2 within first year?	923	100.0%	0	.0%	923	100.0%

dorm Did freshman live on campus during first term? * chem Got C- minus or better in CHEM 1 or 2 within first year? Crosstabulation

Count

		chem Got C- minus or better in CHEM 1 or 2 within first year?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	40	155	195
	Y	169	559	728
Total		209	714	923

dorm Did freshman live on campus during first term? * chem Got C- minus or better in CHEM 1 or 2 within first year? Crosstabulation

% within chem Got C- minus or better in CHEM 1 or 2 within first year?

		chem Got C- minus or better in CHEM 1 or 2 within first year?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	19.1%	21.7%	21.1%
	Y	80.9%	78.3%	78.9%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
sex Gender of freshman during first term * chem Got C- minus or better in CHEM 1 or 2 within first year?	923	100.0%	0	.0%	923	100.0%

sex Gender of freshman during first term * chem Got C- minus or better in CHEM 1 or 2 within first year? Crosstabulation

Count

		chem Got C- minus or better in CHEM 1 or 2 within first year?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	126	398	524
	M	83	314	397
	N	0	2	2
Total		209	714	923

sex Gender of freshman during first term * chem Got C- minus or better in CHEM 1 or 2 within first year? Crosstabulation

% within chem Got C- minus or better in CHEM 1 or 2 within first year?

		chem Got C- minus or better in CHEM 1 or 2 within first year?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	60.3%	55.7%	56.8%
	M	39.7%	44.0%	43.0%
	N		.3%	.2%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
citizen Citizenship of freshman during first term * chem Got C- minus or better in CHEM 1 or 2 within first year?	923	100.0%	0	.0%	923	100.0%

citizen Citizenship of freshman during first term * chem Got C- minus or better in CHEM 1 or 2 within first year? Crosstabulation

Count

		chem Got C- minus or better in CHEM 1 or 2 within first year?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	N	0	1	1
	NI	0	4	4
	PR	1	3	4
	RF	18	65	83
	Y	0	1	1
		190	640	830
Total		209	714	923

citizen Citizenship of freshman during first term * chem Got C- minus or better in CHEM 1 or 2 within first year? Crosstabulation

% within chem Got C- minus or better in CHEM 1 or 2 within first year?

		chem Got C- minus or better in CHEM 1 or 2 within first year?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	N		.1%	.1%
	NI		.6%	.4%
	PR	.5%	.4%	.4%
	RF	8.6%	9.1%	9.0%
	Y		.1%	.1%
Total		90.9%	89.6%	89.9%
		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
race Race of freshman during first term * chem Got C- minus or better in CHEM 1 or 2 within first year?	923	100.0%	0	.0%	923	100.0%

race Race of freshman during first term * chem Got C- minus or better in CHEM 1 or 2 within first year? Crosstabulation

Count

		chem Got C- minus or better in CHEM 1 or 2 within first year?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	13	40	53
	AI American Indian/Alaska Native	2	5	7
	CH Chinese/Chinese-American	15	79	94
	DS Decline to State	1	11	12
	EI East Indian/Pakistani	12	46	58
	FP Filipino/Filipino-American	15	79	94
	JA Japanese/Japanese-American	3	7	10
	KO Korean/Korean-American	5	14	19
	LA Other Spanish-American/Latino	14	27	41
	MX Mexican/Mexican-American/Chicano	57	149	206
	OA Other Asian	12	54	66
	OT Other	7	14	21
	PI Pacific Islander	1	8	9
	UN Unknown	0	3	3
	VT Vietnamese/Viet-American	10	37	47
	WH White/Caucasian/Euro-American	42	141	183
Total		209	714	923

race Race of freshman during first term * chem Got C- minus or better in CHEM 1 or 2 within first year? Crosstabulation

% within chem Got C- minus or better in CHEM 1 or 2 within first year?

		chem Got C- minus or better in CHEM 1 or 2 within first year?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	6.2%	5.6%	5.7%
	AI American Indian/Alaska Native	1.0%	.7%	.8%
	CH Chinese/Chinese-American	7.2%	11.1%	10.2%
	DS Decline to State	.5%	1.5%	1.3%
	EI East Indian/Pakistani	5.7%	6.4%	6.3%
	FP Filipino/Filipino-American	7.2%	11.1%	10.2%
	JA Japanese/Japanese-American	1.4%	1.0%	1.1%
	KO Korean/Korean-American	2.4%	2.0%	2.1%
	LA Other Spanish-American/Latino	6.7%	3.8%	4.4%
	MX Mexican/Mexican-American/Chicano	27.3%	20.9%	22.3%
	OA Other Asian	5.7%	7.6%	7.2%
	OT Other	3.3%	2.0%	2.3%
	PI Pacific Islander	.5%	1.1%	1.0%
	UN Unknown		.4%	.3%
	VT Vietnamese/Viet-American	4.8%	5.2%	5.1%
	WH White/Caucasian/Euro-American	20.1%	19.7%	19.8%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
pell Was freshman Pell eligible during first term? * math Got C- minus or better in MATH 5, 11, or 21 within first year?	923	100.0%	0	.0%	923	100.0%

pell Was freshman Pell eligible during first term? * math Got C- minus or better in MATH 5, 11, or 21 within first year? Crosstabulation

Count

		math Got C- minus or better in MATH 5, 11, or 21 within first year?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	139	387	526
	1 Yes	128	269	397
Total		267	656	923

pell Was freshman Pell eligible during first term? * math Got C- minus or better in MATH 5, 11, or 21 within first year? Crosstabulation

% within math Got C- minus or better in MATH 5, 11, or 21 within first year?

		math Got C- minus or better in MATH 5, 11, or 21 within first year?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	52.1%	59.0%	57.0%
	1 Yes	47.9%	41.0%	43.0%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
dorm Did freshman live on campus during first term? * math Got C- minus or better in MATH 5, 11, or 21 within first year?	923	100.0%	0	.0%	923	100.0%

dorm Did freshman live on campus during first term? * math Got C- minus or better in MATH 5, 11, or 21 within first year? Crosstabulation

Count

		math Got C- minus or better in MATH 5, 11, or 21 within first year?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	63	132	195
	Y	204	524	728
Total		267	656	923

dorm Did freshman live on campus during first term? * math Got C- minus or better in MATH 5, 11, or 21 within first year? Crosstabulation

% within math Got C- minus or better in MATH 5, 11, or 21 within first year?

		math Got C- minus or better in MATH 5, 11, or 21 within first year?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	23.6%	20.1%	21.1%
	Y	76.4%	79.9%	78.9%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
sex Gender of freshman during first term * math Got C- minus or better in MATH 5, 11, or 21 within first year?	923	100.0%	0	.0%	923	100.0%

sex Gender of freshman during first term * math Got C- minus or better in MATH 5, 11, or 21 within first year? Crosstabulation

Count

		math Got C- minus or better in MATH 5, 11, or 21 within first year?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	158	366	524
	M	109	288	397
	N	0	2	2
Total		267	656	923

sex Gender of freshman during first term * math Got C- minus or better in MATH 5, 11, or 21 within first year? Crosstabulation

% within math Got C- minus or better in MATH 5, 11, or 21 within first year?

		math Got C- minus or better in MATH 5, 11, or 21 within first year?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	59.2%	55.8%	56.8%
	M	40.8%	43.9%	43.0%
	N		.3%	.2%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
citizen Citizenship of freshman during first term * math Got C- minus or better in MATH 5, 11, or 21 within first year?	923	100.0%	0	.0%	923	100.0%

citizen Citizenship of freshman during first term * math Got C- minus or better in MATH 5, 11, or 21 within first year? Crosstabulation

Count

		math Got C- minus or better in MATH 5, 11, or 21 within first year?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	N	0	1	1
	NI	1	3	4
	PR	0	4	4
	RF	25	58	83
	Y	0	1	1
		241	589	830
Total		267	656	923

citizen Citizenship of freshman during first term * math Got C- minus or better in MATH 5, 11, or 21 within first year? Crosstabulation

% within math Got C- minus or better in MATH 5, 11, or 21 within first year?

		math Got C- minus or better in MATH 5, 11, or 21 within first year?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	N		.2%	.1%
	NI	.4%	.5%	.4%
	PR		.6%	.4%
	RF	9.4%	8.8%	9.0%
	Y		.2%	.1%
		90.3%	89.8%	89.9%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
race Race of freshman during first term * math Got C- minus or better in MATH 5, 11, or 21 within first year?	923	100.0%	0	.0%	923	100.0%

race Race of freshman during first term * math Got C- minus or better in MATH 5, 11, or 21 within first year? Crosstabulation

Count

		math Got C- minus or better in MATH 5, 11, or 21 within first year?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	18	35	53
	AI American Indian/Alaska Native	3	4	7
	CH Chinese/Chinese-American	23	71	94
	DS Decline to State	3	9	12
	EI East Indian/Pakistani	17	41	58
	FP Filipino/Filipino-American	15	79	94
	JA Japanese/Japanese-American	2	8	10
	KO Korean/Korean-American	6	13	19
	LA Other Spanish-American/Latino	13	28	41
	MX Mexican/Mexican-American/Chicano	71	135	206
	OA Other Asian	14	52	66
	OT Other	10	11	21
	PI Pacific Islander	3	6	9
	UN Unknown	1	2	3
	VT Vietnamese/Viet-American	18	29	47
	WH White/Caucasian/Euro-American	50	133	183
Total		267	656	923

race Race of freshman during first term * math Got C- minus or better in MATH 5, 11, or 21 within first year? Crosstabulation

% within math Got C- minus or better in MATH 5, 11, or 21 within first year?

		math Got C- minus or better in MATH 5, 11, or 21 within first year?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	6.7%	5.3%	5.7%
	AI American Indian/Alaska Native	1.1%	.6%	.8%
	CH Chinese/Chinese-American	8.6%	10.8%	10.2%
	DS Decline to State	1.1%	1.4%	1.3%
	EI East Indian/Pakistani	6.4%	6.3%	6.3%
	FP Filipino/Filipino-American	5.6%	12.0%	10.2%
	JA Japanese/Japanese-American	.7%	1.2%	1.1%
	KO Korean/Korean-American	2.2%	2.0%	2.1%
	LA Other Spanish-American/Latino	4.9%	4.3%	4.4%
	MX Mexican/Mexican-American/Chicano	26.6%	20.6%	22.3%
	OA Other Asian	5.2%	7.9%	7.2%
	OT Other	3.7%	1.7%	2.3%
	PI Pacific Islander	1.1%	.9%	1.0%
	UN Unknown	.4%	.3%	.3%
	VT Vietnamese/Viet-American	6.7%	4.4%	5.1%
	WH White/Caucasian/Euro-American	18.7%	20.3%	19.8%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
pell Was freshman Pell eligible during first term? * chem001_term1 Got C-minus or better in CHEM 1 during first term?	338	36.6%	585	63.4%	923	100.0%

pell Was freshman Pell eligible during first term? * chem001_term1 Got C-minus or better in CHEM 1 during first term? Crosstabulation

Count

		chem001_term1 Got C-minus or better in CHEM 1 during first term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	33	134	167
	1 Yes	44	127	171
Total		77	261	338

pell Was freshman Pell eligible during first term? * chem001_term1 Got C-minus or better in CHEM 1 during first term? Crosstabulation

% within chem001_term1 Got C-minus or better in CHEM 1 during first term?

		chem001_term1 Got C-minus or better in CHEM 1 during first term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	42.9%	51.3%	49.4%
	1 Yes	57.1%	48.7%	50.6%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
dorm Did freshman live on campus during first term? * chem001_term1 Got C-minus or better in CHEM 1 during first term?	338	36.6%	585	63.4%	923	100.0%

dorm Did freshman live on campus during first term? * chem001_term1 Got C-minus or better in CHEM 1 during first term? Crosstabulation

Count

		chem001_term1 Got C-minus or better in CHEM 1 during first term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	21	57	78
	Y	56	204	260
Total		77	261	338

dorm Did freshman live on campus during first term? * chem001_term1 Got C-minus or better in CHEM 1 during first term? Crosstabulation

% within chem001_term1 Got C-minus or better in CHEM 1 during first term?

		chem001_term1 Got C-minus or better in CHEM 1 during first term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	27.3%	21.8%	23.1%
	Y	72.7%	78.2%	76.9%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
sex Gender of freshman during first term * chem001_term1 Got C-minus or better in CHEM 1 during first term?	338	36.6%	585	63.4%	923	100.0%

sex Gender of freshman during first term * chem001_term1 Got C-minus or better in CHEM 1 during first term? Crosstabulation

Count

		chem001_term1 Got C-minus or better in CHEM 1 during first term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	60	171	231
	M	17	89	106
	N	0	1	1
Total		77	261	338

sex Gender of freshman during first term * chem001_term1 Got C-minus or better in CHEM 1 during first term? Crosstabulation

% within chem001_term1 Got C-minus or better in CHEM 1 during first term?

		chem001_term1 Got C-minus or better in CHEM 1 during first term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	77.9%	65.5%	68.3%
	M	22.1%	34.1%	31.4%
	N		.4%	.3%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
citizen Citizenship of freshman during first term * chem001_term1 Got C-minus or better in CHEM 1 during first term?	338	36.6%	585	63.4%	923	100.0%

citizen Citizenship of freshman during first term * chem001_term1 Got C-minus or better in CHEM 1 during first term? Crosstabulation

Count

		chem001_term1 Got C-minus or better in CHEM 1 during first term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term		0	1	1
	N	0	2	2
	NI	0	2	2
	PR	7	22	29
	Y	70	234	304
Total		77	261	338

citizen Citizenship of freshman during first term * chem001_term1 Got C-minus or better in CHEM 1 during first term? Crosstabulation

% within chem001_term1 Got C-minus or better in CHEM 1 during first term?

		chem001_term1 Got C-minus or better in CHEM 1 during first term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	N		.4%	.3%
	NI		.8%	.6%
	PR		.8%	.6%
	Y	9.1%	8.4%	8.6%
	Total	90.9%	89.7%	89.9%
		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
race Race of freshman during first term * chem001_term1 Got C-minus or better in CHEM 1 during first term?	338	36.6%	585	63.4%	923	100.0%

race Race of freshman during first term * chem001_term1 Got C-minus or better in CHEM 1 during first term? Crosstabulation

Count

		chem001_term1 Got C-minus or better in CHEM 1 during first term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	7	22	29
	AI American Indian/Alaska Native	0	1	1
	CH Chinese/Chinese-American	3	21	24
	DS Decline to State	1	4	5
	EI East Indian/Pakistani	4	16	20
	FP Filipino/Filipino-American	5	27	32
	JA Japanese/Japanese-American	0	4	4
	KO Korean/Korean-American	1	3	4
	LA Other Spanish-American/Latino	9	11	20
	MX Mexican/Mexican-American/Chicano	32	67	99
	OA Other Asian	2	22	24
	OT Other	3	3	6
	PI Pacific Islander	1	3	4
	VT Vietnamese/Viet-American	3	12	15
	WH White/Caucasian/Euro-American	6	45	51
Total		77	261	338

race Race of freshman during first term * chem001_term1 Got C-minus or better in CHEM 1 during first term? Crosstabulation

% within chem001_term1 Got C-minus or better in CHEM 1 during first term?

		chem001_term1 Got C-minus or better in CHEM 1 during first term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	9.1%	8.4%	8.6%
	AI American Indian/Alaska Native		.4%	.3%
	CH Chinese/Chinese-American	3.9%	8.0%	7.1%
	DS Decline to State	1.3%	1.5%	1.5%
	EI East Indian/Pakistani	5.2%	6.1%	5.9%
	FP Filipino/Filipino-American	6.5%	10.3%	9.5%
	JA Japanese/Japanese-American		1.5%	1.2%
	KO Korean/Korean-American	1.3%	1.1%	1.2%
	LA Other Spanish-American/Latino	11.7%	4.2%	5.9%
	MX Mexican/Mexican-American/Chicano	41.6%	25.7%	29.3%
	OA Other Asian	2.6%	8.4%	7.1%
	OT Other	3.9%	1.1%	1.8%
	PI Pacific Islander	1.3%	1.1%	1.2%
	VT Vietnamese/Viet-American	3.9%	4.6%	4.4%
	WH White/Caucasian/Euro-American	7.8%	17.2%	15.1%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
pell Was freshman Pell eligible during first term? * chem001_term2 Got C-minus or better in CHEM 1 during second term?	102	11.1%	821	88.9%	923	100.0%

pell Was freshman Pell eligible during first term? * chem001_term2 Got C-minus or better in CHEM 1 during second term? Crosstabulation

Count

		chem001_term2 Got C-minus or better in CHEM 1 during second term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	4	40	44
	1 Yes	12	46	58
Total		16	86	102

pell Was freshman Pell eligible during first term? * chem001_term2 Got C-minus or better in CHEM 1 during second term? Crosstabulation

% within chem001_term2 Got C-minus or better in CHEM 1 during second term?

		chem001_term2 Got C-minus or better in CHEM 1 during second term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	25.0%	46.5%	43.1%
	1 Yes	75.0%	53.5%	56.9%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
dorm Did freshman live on campus during first term? * chem001_term2 Got C-minus or better in CHEM 1 during second term?	102	11.1%	821	88.9%	923	100.0%

dorm Did freshman live on campus during first term? * chem001_term2 Got C-minus or better in CHEM 1 during second term? Crosstabulation

Count

		chem001_term2 Got C-minus or better in CHEM 1 during second term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	3	21	24
	Y	13	65	78
Total		16	86	102

dorm Did freshman live on campus during first term? * chem001_term2 Got C-minus or better in CHEM 1 during second term? Crosstabulation

% within chem001_term2 Got C-minus or better in CHEM 1 during second term?

		chem001_term2 Got C-minus or better in CHEM 1 during second term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	18.8%	24.4%	23.5%
	Y	81.3%	75.6%	76.5%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
sex Gender of freshman during first term * chem001_term2 Got C-minus or better in CHEM 1 during second term?	102	11.1%	821	88.9%	923	100.0%

sex Gender of freshman during first term * chem001_term2 Got C-minus or better in CHEM 1 during second term? Crosstabulation

Count

		chem001_term2 Got C-minus or better in CHEM 1 during second term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	10	59	69
	M	6	27	33
Total		16	86	102

sex Gender of freshman during first term * chem001_term2 Got C-minus or better in CHEM 1 during second term? Crosstabulation

% within chem001_term2 Got C-minus or better in CHEM 1 during second term?

		chem001_term2 Got C-minus or better in CHEM 1 during second term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	62.5%	68.6%	67.6%
	M	37.5%	31.4%	32.4%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
citizen Citizenship of freshman during first term * chem001_term2 Got C-minus or better in CHEM 1 during second term?	102	11.1%	821	88.9%	923	100.0%

citizen Citizenship of freshman during first term * chem001_term2 Got C-minus or better in CHEM 1 during second term? Crosstabulation

Count

		chem001_term2 Got C-minus or better in CHEM 1 during second term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	N	0	1	1
	PR	3	7	10
	Y	13	78	91
Total		16	86	102

citizen Citizenship of freshman during first term * chem001_term2 Got C-minus or better in CHEM 1 during second term? Crosstabulation

% within chem001_term2 Got C-minus or better in CHEM 1 during second term?

		chem001_term2 Got C-minus or better in CHEM 1 during second term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	N		1.2%	1.0%
	PR	18.8%	8.1%	9.8%
	Y	81.3%	90.7%	89.2%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
race Race of freshman during first term * chem001_term2 Got C-minus or better in CHEM 1 during second term?	102	11.1%	821	88.9%	923	100.0%

race Race of freshman during first term * chem001_term2 Got C-minus or better in CHEM 1 during second term? Crosstabulation

Count

		chem001_term2 Got C-minus or better in CHEM 1 during second term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	1	8	9
	AI American Indian/Alaska Native	0	1	1
	CH Chinese/Chinese-American	1	7	8
	EI East Indian/Pakistani	0	1	1
	FP Filipino/Filipino-American	3	7	10
	KO Korean/Korean-American	1	1	2
	LA Other Spanish-American/Latino	1	3	4
	MX Mexican/Mexican-American/Chicano	6	23	29
	OA Other Asian	2	10	12
	OT Other	0	3	3
	PI Pacific Islander	0	3	3
	VT Vietnamese/Viet-American	0	6	6
	WH White/Caucasian/Euro-American	1	13	14
Total		16	86	102

race Race of freshman during first term * chem001_term2 Got C-minus or better in CHEM 1 during second term? Crosstabulation

% within chem001_term2 Got C-minus or better in CHEM 1 during second term?

		chem001_term2 Got C-minus or better in CHEM 1 during second term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	6.3%	9.3%	8.8%
	AI American Indian/Alaska Native		1.2%	1.0%
	CH Chinese/Chinese-American	6.3%	8.1%	7.8%
	EI East Indian/Pakistani		1.2%	1.0%
	FP Filipino/Filipino-American	18.8%	8.1%	9.8%
	KO Korean/Korean-American	6.3%	1.2%	2.0%
	LA Other Spanish-American/Latino	6.3%	3.5%	3.9%
	MX Mexican/Mexican-American/Chicano	37.5%	26.7%	28.4%
	OA Other Asian	12.5%	11.6%	11.8%
	OT Other		3.5%	2.9%
	PI Pacific Islander		3.5%	2.9%
	VT Vietnamese/Viet-American		7.0%	5.9%
	WH White/Caucasian/Euro-American	6.3%	15.1%	13.7%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
pell Was freshman Pell eligible during first term? * chem002_term1 Got C-minus or better in CHEM 2 during first term?	343	37.2%	580	62.8%	923	100.0%

pell Was freshman Pell eligible during first term? * chem002_term1 Got C-minus or better in CHEM 2 during first term? Crosstabulation

Count

		chem002_term1 Got C-minus or better in CHEM 2 during first term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	31	185	216
	1 Yes	18	109	127
Total		49	294	343

pell Was freshman Pell eligible during first term? * chem002_term1 Got C-minus or better in CHEM 2 during first term? Crosstabulation

% within chem002_term1 Got C-minus or better in CHEM 2 during first term?

		chem002_term1 Got C-minus or better in CHEM 2 during first term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	63.3%	62.9%	63.0%
	1 Yes	36.7%	37.1%	37.0%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
dorm Did freshman live on campus during first term? * chem002_term1 Got C-minus or better in CHEM 2 during first term?	343	37.2%	580	62.8%	923	100.0%

dorm Did freshman live on campus during first term? * chem002_term1 Got C-minus or better in CHEM 2 during first term? Crosstabulation

Count

		chem002_term1 Got C-minus or better in CHEM 2 during first term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	9	65	74
	Y	40	229	269
Total		49	294	343

dorm Did freshman live on campus during first term? * chem002_term1 Got C-minus or better in CHEM 2 during first term? Crosstabulation

% within chem002_term1 Got C-minus or better in CHEM 2 during first term?

		chem002_term1 Got C-minus or better in CHEM 2 during first term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	18.4%	22.1%	21.6%
	Y	81.6%	77.9%	78.4%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
sex Gender of freshman during first term * chem002_term1 Got C-minus or better in CHEM 2 during first term?	343	37.2%	580	62.8%	923	100.0%

sex Gender of freshman during first term * chem002_term1 Got C-minus or better in CHEM 2 during first term? Crosstabulation

Count

		chem002_term1 Got C-minus or better in CHEM 2 during first term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	25	132	157
	M	24	161	185
	N	0	1	1
Total		49	294	343

sex Gender of freshman during first term * chem002_term1 Got C-minus or better in CHEM 2 during first term? Crosstabulation

% within chem002_term1 Got C-minus or better in CHEM 2 during first term?

		chem002_term1 Got C-minus or better in CHEM 2 during first term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	51.0%	44.9%	45.8%
	M	49.0%	54.8%	53.9%
	N		.3%	.3%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
citizen Citizenship of freshman during first term * chem002_term1 Got C-minus or better in CHEM 2 during first term?	343	37.2%	580	62.8%	923	100.0%

citizen Citizenship of freshman during first term * chem002_term1 Got C-minus or better in CHEM 2 during first term? Crosstabulation

Count

		chem002_term1 Got C-minus or better in CHEM 2 during first term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	NI	0	1	1
	PR	3	30	33
	RF	0	1	1
	Y	46	262	308
Total		49	294	343

citizen Citizenship of freshman during first term * chem002_term1 Got C-minus or better in CHEM 2 during first term? Crosstabulation

% within chem002_term1 Got C-minus or better in CHEM 2 during first term?

		chem002_term1 Got C-minus or better in CHEM 2 during first term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	NI		.3%	.3%
	PR	6.1%	10.2%	9.6%
	RF		.3%	.3%
	Y	93.9%	89.1%	89.8%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
race Race of freshman during first term * chem002_term1 Got C-minus or better in CHEM 2 during first term?	343	37.2%	580	62.8%	923	100.0%

race Race of freshman during first term * chem002_term1 Got C-minus or better in CHEM 2 during first term? Crosstabulation

Count

		chem002_term1 Got C-minus or better in CHEM 2 during first term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	1	8	9
	AI American Indian/Alaska Native	2	2	4
	CH Chinese/Chinese-American	0	40	40
	DS Decline to State	0	3	3
	EI East Indian/Pakistani	5	22	27
	FP Filipino/Filipino-American	4	37	41
	JA Japanese/Japanese-American	0	3	3
	KO Korean/Korean-American	1	8	9
	LA Other Spanish-American/Latino	2	11	13
	MX Mexican/Mexican-American/Chicano	12	46	58
	OA Other Asian	2	17	19
	OT Other	0	7	7
	PI Pacific Islander	0	2	2
	UN Unknown	0	3	3
	VT Vietnamese/Viet-American	4	16	20
	WH White/Caucasian/Euro-American	16	69	85
Total		49	294	343

race Race of freshman during first term * chem002_term1 Got C-minus or better in CHEM 2 during first term? Crosstabulation

% within chem002_term1 Got C-minus or better in CHEM 2 during first term?

		chem002_term1 Got C-minus or better in CHEM 2 during first term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	2.0%	2.7%	2.6%
	AI American Indian/Alaska Native	4.1%	.7%	1.2%
	CH Chinese/Chinese-American		13.6%	11.7%
	DS Decline to State		1.0%	.9%
	EI East Indian/Pakistani	10.2%	7.5%	7.9%
	FP Filipino/Filipino-American	8.2%	12.6%	12.0%
	JA Japanese/Japanese-American		1.0%	.9%
	KO Korean/Korean-American	2.0%	2.7%	2.6%
	LA Other Spanish-American/Latino	4.1%	3.7%	3.8%
	MX Mexican/Mexican-American/Chicano	24.5%	15.6%	16.9%
	OA Other Asian	4.1%	5.8%	5.5%
	OT Other		2.4%	2.0%
	PI Pacific Islander		.7%	.6%
	UN Unknown		1.0%	.9%
	VT Vietnamese/Viet-American	8.2%	5.4%	5.8%
	WH White/Caucasian/Euro-American	32.7%	23.5%	24.8%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
pell Was freshman Pell eligible during first term? * chem002_term2 Got C-minus or better in CHEM 2 during second term?	305	33.0%	618	67.0%	923	100.0%

pell Was freshman Pell eligible during first term? * chem002_term2 Got C-minus or better in CHEM 2 during second term? Crosstabulation

Count

		chem002_term2 Got C-minus or better in CHEM 2 during second term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	36	143	179
	1 Yes	34	92	126
Total		70	235	305

pell Was freshman Pell eligible during first term? * chem002_term2 Got C-minus or better in CHEM 2 during second term? Crosstabulation

% within chem002_term2 Got C-minus or better in CHEM 2 during second term?

		chem002_term2 Got C-minus or better in CHEM 2 during second term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	51.4%	60.9%	58.7%
	1 Yes	48.6%	39.1%	41.3%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
dorm Did freshman live on campus during first term? * chem002_term2 Got C-minus or better in CHEM 2 during second term?	305	33.0%	618	67.0%	923	100.0%

dorm Did freshman live on campus during first term? * chem002_term2 Got C-minus or better in CHEM 2 during second term? Crosstabulation

Count

		chem002_term2 Got C-minus or better in CHEM 2 during second term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	17	42	59
	Y	53	193	246
Total		70	235	305

dorm Did freshman live on campus during first term? * chem002_term2 Got C-minus or better in CHEM 2 during second term? Crosstabulation

% within chem002_term2 Got C-minus or better in CHEM 2 during second term?

		chem002_term2 Got C-minus or better in CHEM 2 during second term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	24.3%	17.9%	19.3%
	Y	75.7%	82.1%	80.7%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
sex Gender of freshman during first term * chem002_term2 Got C-minus or better in CHEM 2 during second term?	305	33.0%	618	67.0%	923	100.0%

sex Gender of freshman during first term * chem002_term2 Got C-minus or better in CHEM 2 during second term? Crosstabulation

Count

		chem002_term2 Got C-minus or better in CHEM 2 during second term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	41	143	184
	M	29	92	121
Total		70	235	305

sex Gender of freshman during first term * chem002_term2 Got C-minus or better in CHEM 2 during second term? Crosstabulation

% within chem002_term2 Got C-minus or better in CHEM 2 during second term?

		chem002_term2 Got C-minus or better in CHEM 2 during second term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	58.6%	60.9%	60.3%
	M	41.4%	39.1%	39.7%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
citizen Citizenship of freshman during first term * chem002_term2 Got C-minus or better in CHEM 2 during second term?	305	33.0%	618	67.0%	923	100.0%

citizen Citizenship of freshman during first term * chem002_term2 Got C-minus or better in CHEM 2 during second term? Crosstabulation

Count

		chem002_term2 Got C-minus or better in CHEM 2 during second term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	N	0	3	3
	NI	1	1	2
	PR	7	21	28
	Y	62	210	272
Total		70	235	305

citizen Citizenship of freshman during first term * chem002_term2 Got C-minus or better in CHEM 2 during second term? Crosstabulation

% within chem002_term2 Got C-minus or better in CHEM 2 during second term?

		chem002_term2 Got C-minus or better in CHEM 2 during second term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	N		1.3%	1.0%
	NI	1.4%	.4%	.7%
	PR	10.0%	8.9%	9.2%
	Y	88.6%	89.4%	89.2%

Total	100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
race Race of freshman during first term * chem002_term2 Got C-minus or better in CHEM 2 during second term?	305	33.0%	618	67.0%	923	100.0%

race Race of freshman during first term * chem002_term2 Got C-minus or better in CHEM 2 during second term? Crosstabulation

Count

		chem002_term2 Got C-minus or better in CHEM 2 during second term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	5	16	21
	AI American Indian/Alaska Native	0	1	1
	CH Chinese/Chinese-American	4	27	31
	DS Decline to State	2	5	7
	EI East Indian/Pakistani	5	18	23
	FP Filipino/Filipino-American	7	21	28
	JA Japanese/Japanese-American	2	3	5
	KO Korean/Korean-American	1	3	4
	LA Other Spanish-American/Latino	3	6	9
	MX Mexican/Mexican-American/Chicano	19	55	74
	OA Other Asian	3	20	23
	OT Other	1	4	5
	PI Pacific Islander	2	0	2
	VT Vietnamese/Viet-American	2	13	15
	WH White/Caucasian/Euro-American	14	43	57
Total		70	235	305

race Race of freshman during first term * chem002_term2 Got C-minus or better in CHEM 2 during second term? Crosstabulation

% within chem002_term2 Got C-minus or better in CHEM 2 during second term?

		chem002_term2 Got C-minus or better in CHEM 2 during second term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	7.1%	6.8%	6.9%
	AI American Indian/Alaska Native		.4%	.3%
	CH Chinese/Chinese-American	5.7%	11.5%	10.2%
	DS Decline to State	2.9%	2.1%	2.3%
	EI East Indian/Pakistani	7.1%	7.7%	7.5%
	FP Filipino/Filipino-American	10.0%	8.9%	9.2%
	JA Japanese/Japanese-American	2.9%	1.3%	1.6%
	KO Korean/Korean-American	1.4%	1.3%	1.3%
	LA Other Spanish-American/Latino	4.3%	2.6%	3.0%
	MX Mexican/Mexican-American/Chicano	27.1%	23.4%	24.3%
	OA Other Asian	4.3%	8.5%	7.5%
	OT Other	1.4%	1.7%	1.6%
	PI Pacific Islander	2.9%		.7%
	VT Vietnamese/Viet-American	2.9%	5.5%	4.9%
	WH White/Caucasian/Euro-American	20.0%	18.3%	18.7%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
pell Was freshman Pell eligible during first term? * math005_term1 Got C-minus or better in MATH 5 during first term?	468	50.7%	455	49.3%	923	100.0%

pell Was freshman Pell eligible during first term? * math005_term1 Got C-minus or better in MATH 5 during first term? Crosstabulation

Count

		math005_term1 Got C-minus or better in MATH 5 during first term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	71	167	238
	1 Yes	79	151	230
Total		150	318	468

pell Was freshman Pell eligible during first term? * math005_term1 Got C-minus or better in MATH 5 during first term? Crosstabulation

% within math005_term1 Got C-minus or better in MATH 5 during first term?

		math005_term1 Got C-minus or better in MATH 5 during first term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	47.3%	52.5%	50.9%
	1 Yes	52.7%	47.5%	49.1%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
dorm Did freshman live on campus during first term? * math005_term1 Got C-minus or better in MATH 5 during first term?	468	50.7%	455	49.3%	923	100.0%

dorm Did freshman live on campus during first term? * math005_term1 Got C-minus or better in MATH 5 during first term? Crosstabulation

Count

		math005_term1 Got C-minus or better in MATH 5 during first term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	30	68	98
	Y	120	250	370
Total		150	318	468

dorm Did freshman live on campus during first term? * math005_term1 Got C-minus or better in MATH 5 during first term? Crosstabulation

% within math005_term1 Got C-minus or better in MATH 5 during first term?

		math005_term1 Got C-minus or better in MATH 5 during first term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	20.0%	21.4%	20.9%
	Y	80.0%	78.6%	79.1%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
sex Gender of freshman during first term * math005_term1 Got C-minus or better in MATH 5 during first term?	468	50.7%	455	49.3%	923	100.0%

sex Gender of freshman during first term * math005_term1 Got C-minus or better in MATH 5 during first term? Crosstabulation

Count

		math005_term1 Got C-minus or better in MATH 5 during first term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	97	187	284
	M	53	131	184
Total		150	318	468

sex Gender of freshman during first term * math005_term1 Got C-minus or better in MATH 5 during first term? Crosstabulation

% within math005_term1 Got C-minus or better in MATH 5 during first term?

		math005_term1 Got C-minus or better in MATH 5 during first term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	64.7%	58.8%	60.7%
	M	35.3%	41.2%	39.3%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
citizen Citizenship of freshman during first term * math005_term1 Got C-minus or better in MATH 5 during first term?	468	50.7%	455	49.3%	923	100.0%

citizen Citizenship of freshman during first term * math005_term1 Got C-minus or better in MATH 5 during first term? Crosstabulation

Count

		math005_term1 Got C-minus or better in MATH 5 during first term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term		0	1	1
	N	1	2	3
	NI	0	2	2
	PR	11	23	34
	Y	138	290	428
Total		150	318	468

citizen Citizenship of freshman during first term * math005_term1 Got C-minus or better in MATH 5 during first term? Crosstabulation

% within math005_term1 Got C-minus or better in MATH 5 during first term?

		math005_term1 Got C-minus or better in MATH 5 during first term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term			.3%	.2%
	N	.7%	.6%	.6%
	NI		.6%	.4%
	PR	7.3%	7.2%	7.3%
	Y	92.0%	91.2%	91.5%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
race Race of freshman during first term * math005_term1 Got C-minus or better in MATH 5 during first term?	468	50.7%	455	49.3%	923	100.0%

race Race of freshman during first term * math005_term1 Got C-minus or better in MATH 5 during first term? Crosstabulation

Count

		math005_term1 Got C-minus or better in MATH 5 during first term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	9	23	32
	AI American Indian/Alaska Native	0	3	3
	CH Chinese/Chinese-American	7	26	33
	DS Decline to State	1	3	4
	EI East Indian/Pakistani	10	18	28
	FP Filipino/Filipino-American	16	40	56
	JA Japanese/Japanese-American	0	2	2
	KO Korean/Korean-American	1	5	6
	LA Other Spanish-American/Latino	12	15	27
	MX Mexican/Mexican-American/Chicano	50	72	122
	OA Other Asian	10	26	36
	OT Other	3	5	8
	PI Pacific Islander	1	3	4
	VT Vietnamese/Viet-American	6	9	15
	WH White/Caucasian/Euro-American	24	68	92
Total		150	318	468

race Race of freshman during first term * math005_term1 Got C-minus or better in MATH 5 during first term? Crosstabulation

% within math005_term1 Got C-minus or better in MATH 5 during first term?

		math005_term1 Got C-minus or better in MATH 5 during first term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	6.0%	7.2%	6.8%
	AI American Indian/Alaska Native		.9%	.6%
	CH Chinese/Chinese-American	4.7%	8.2%	7.1%
	DS Decline to State	.7%	.9%	.9%
	EI East Indian/Pakistani	6.7%	5.7%	6.0%
	FP Filipino/Filipino-American	10.7%	12.6%	12.0%
	JA Japanese/Japanese-American		.6%	.4%
	KO Korean/Korean-American	.7%	1.6%	1.3%
	LA Other Spanish-American/Latino	8.0%	4.7%	5.8%
	MX Mexican/Mexican-American/Chicano	33.3%	22.6%	26.1%
	OA Other Asian	6.7%	8.2%	7.7%
	OT Other	2.0%	1.6%	1.7%
	PI Pacific Islander	.7%	.9%	.9%
	VT Vietnamese/Viet-American	4.0%	2.8%	3.2%
	WH White/Caucasian/Euro-American	16.0%	21.4%	19.7%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
pell Was freshman Pell eligible during first term? * math005_term2 Got C-minus or better in MATH 5 during second term?	142	15.4%	781	84.6%	923	100.0%

pell Was freshman Pell eligible during first term? * math005_term2 Got C-minus or better in MATH 5 during second term? Crosstabulation

Count

		math005_term2 Got C-minus or better in MATH 5 during second term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	22	48	70
	1 Yes	29	43	72
Total		51	91	142

pell Was freshman Pell eligible during first term? * math005_term2 Got C-minus or better in MATH 5 during second term? Crosstabulation

% within math005_term2 Got C-minus or better in MATH 5 during second term?

		math005_term2 Got C-minus or better in MATH 5 during second term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	43.1%	52.7%	49.3%
	1 Yes	56.9%	47.3%	50.7%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
dorm Did freshman live on campus during first term? * math005_term2 Got C-minus or better in MATH 5 during second term?	142	15.4%	781	84.6%	923	100.0%

dorm Did freshman live on campus during first term? * math005_term2 Got C-minus or better in MATH 5 during second term? Crosstabulation

Count

		math005_term2 Got C-minus or better in MATH 5 during second term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	13	19	32
	Y	38	72	110
Total		51	91	142

dorm Did freshman live on campus during first term? * math005_term2 Got C-minus or better in MATH 5 during second term? Crosstabulation

% within math005_term2 Got C-minus or better in MATH 5 during second term?

		math005_term2 Got C-minus or better in MATH 5 during second term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	25.5%	20.9%	22.5%
	Y	74.5%	79.1%	77.5%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
sex Gender of freshman during first term * math005_term2 Got C-minus or better in MATH 5 during second term?	142	15.4%	781	84.6%	923	100.0%

sex Gender of freshman during first term * math005_term2 Got C-minus or better in MATH 5 during second term? Crosstabulation

Count

		math005_term2 Got C-minus or better in MATH 5 during second term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	37	49	86
	M	14	42	56
Total		51	91	142

sex Gender of freshman during first term * math005_term2 Got C-minus or better in MATH 5 during second term? Crosstabulation

% within math005_term2 Got C-minus or better in MATH 5 during second term?

		math005_term2 Got C-minus or better in MATH 5 during second term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	72.5%	53.8%	60.6%
	M	27.5%	46.2%	39.4%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
citizen Citizenship of freshman during first term * math005_term2 Got C-minus or better in MATH 5 during second term?	142	15.4%	781	84.6%	923	100.0%

citizen Citizenship of freshman during first term * math005_term2 Got C-minus or better in MATH 5 during second term? Crosstabulation

Count

		math005_term2 Got C-minus or better in MATH 5 during second term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	N	0	1	1
	PR	7	12	19
	Y	44	78	122
Total		51	91	142

citizen Citizenship of freshman during first term * math005_term2 Got C-minus or better in MATH 5 during second term? Crosstabulation

% within math005_term2 Got C-minus or better in MATH 5 during second term?

		math005_term2 Got C-minus or better in MATH 5 during second term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	N		1.1%	.7%
	PR	13.7%	13.2%	13.4%
	Y	86.3%	85.7%	85.9%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
race Race of freshman during first term * math005_term2 Got C-minus or better in MATH 5 during second term?	142	15.4%	781	84.6%	923	100.0%

race Race of freshman during first term * math005_term2 Got C-minus or better in MATH 5 during second term? Crosstabulation

Count

		math005_term2 Got C-minus or better in MATH 5 during second term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	5	3	8
	CH Chinese/Chinese-American	4	8	12
	DS Decline to State	1	0	1
	EI East Indian/Pakistani	0	5	5
	FP Filipino/Filipino-American	2	13	15
	JA Japanese/Japanese-American	0	2	2
	KO Korean/Korean-American	1	3	4
	LA Other Spanish-American/Latino	4	6	10
	MX Mexican/Mexican-American/Chicano	15	23	38
	OA Other Asian	6	9	15
	OT Other	3	1	4
	PI Pacific Islander	1	0	1
	VT Vietnamese/Viet-American	4	6	10
	WH White/Caucasian/Euro-American	5	12	17
Total		51	91	142

race Race of freshman during first term * math005_term2 Got C-minus or better in MATH 5 during second term? Crosstabulation

% within math005_term2 Got C-minus or better in MATH 5 during second term?

		math005_term2 Got C-minus or better in MATH 5 during second term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	9.8%	3.3%	5.6%
	CH Chinese/Chinese-American	7.8%	8.8%	8.5%
	DS Decline to State	2.0%		.7%
	EI East Indian/Pakistani		5.5%	3.5%
	FP Filipino/Filipino-American	3.9%	14.3%	10.6%
	JA Japanese/Japanese-American		2.2%	1.4%
	KO Korean/Korean-American	2.0%	3.3%	2.8%
	LA Other Spanish-American/Latino	7.8%	6.6%	7.0%
	MX Mexican/Mexican-American/Chicano	29.4%	25.3%	26.8%
	OA Other Asian	11.8%	9.9%	10.6%
	OT Other	5.9%	1.1%	2.8%
	PI Pacific Islander	2.0%		.7%
	VT Vietnamese/Viet-American	7.8%	6.6%	7.0%
	WH White/Caucasian/Euro-American	9.8%	13.2%	12.0%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
pell Was freshman Pell eligible during first term? * math021_term1 Got C-minus or better in MATH 21 during first term?	246	26.7%	677	73.3%	923	100.0%

pell Was freshman Pell eligible during first term? * math021_term1 Got C-minus or better in MATH 21 during first term? Crosstabulation

Count

		math021_term1 Got C-minus or better in MATH 21 during first term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	18	146	164
	1 Yes	17	65	82
Total		35	211	246

pell Was freshman Pell eligible during first term? * math021_term1 Got C-minus or better in MATH 21 during first term? Crosstabulation

% within math021_term1 Got C-minus or better in MATH 21 during first term?

		math021_term1 Got C-minus or better in MATH 21 during first term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	51.4%	69.2%	66.7%
	1 Yes	48.6%	30.8%	33.3%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
dorm Did freshman live on campus during first term? * math021_term1 Got C-minus or better in MATH 21 during first term?	246	26.7%	677	73.3%	923	100.0%

dorm Did freshman live on campus during first term? * math021_term1 Got C-minus or better in MATH 21 during first term? Crosstabulation

Count

		math021_term1 Got C-minus or better in MATH 21 during first term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	9	41	50
	Y	26	170	196
Total		35	211	246

dorm Did freshman live on campus during first term? * math021_term1 Got C-minus or better in MATH 21 during first term? Crosstabulation

% within math021_term1 Got C-minus or better in MATH 21 during first term?

		math021_term1 Got C-minus or better in MATH 21 during first term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	25.7%	19.4%	20.3%
	Y	74.3%	80.6%	79.7%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
sex Gender of freshman during first term * math021_term1 Got C-minus or better in MATH 21 during first term?	246	26.7%	677	73.3%	923	100.0%

sex Gender of freshman during first term * math021_term1 Got C-minus or better in MATH 21 during first term? Crosstabulation

Count

		math021_term1 Got C-minus or better in MATH 21 during first term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	23	111	134
	M	12	98	110
	N	0	2	2
Total		35	211	246

sex Gender of freshman during first term * math021_term1 Got C-minus or better in MATH 21 during first term? Crosstabulation

% within math021_term1 Got C-minus or better in MATH 21 during first term?

		math021_term1 Got C-minus or better in MATH 21 during first term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	65.7%	52.6%	54.5%
	M	34.3%	46.4%	44.7%
	N		.9%	.8%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
citizen Citizenship of freshman during first term * math021_term1 Got C-minus or better in MATH 21 during first term?	246	26.7%	677	73.3%	923	100.0%

citizen Citizenship of freshman during first term * math021_term1 Got C-minus or better in MATH 21 during first term? Crosstabulation

Count

		math021_term1 Got C-minus or better in MATH 21 during first term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	NI	0	2	2
	PR	3	21	24
	RF	0	1	1
	Y	32	187	219
Total		35	211	246

citizen Citizenship of freshman during first term * math021_term1 Got C-minus or better in MATH 21 during first term? Crosstabulation

% within math021_term1 Got C-minus or better in MATH 21 during first term?

		math021_term1 Got C-minus or better in MATH 21 during first term?		
		0 Did not pass	1 Passed	Total
citizen Citizenship of freshman during first term	NI		.9%	.8%
	PR	8.6%	10.0%	9.8%
	RF		.5%	.4%
	Y	91.4%	88.6%	89.0%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
race Race of freshman during first term * math021_term1 Got C-minus or better in MATH 21 during first term?	246	26.7%	677	73.3%	923	100.0%

race Race of freshman during first term * math021_term1 Got C-minus or better in MATH 21 during first term? Crosstabulation

Count

		math021_term1 Got C-minus or better in MATH 21 during first term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	2	9	11
	AI American Indian/Alaska Native	0	1	1
	CH Chinese/Chinese-American	4	34	38
	DS Decline to State	2	6	8
	EI East Indian/Pakistani	6	13	19
	FP Filipino/Filipino-American	1	19	20
	JA Japanese/Japanese-American	0	4	4
	KO Korean/Korean-American	0	5	5
	LA Other Spanish-American/Latino	2	6	8
	MX Mexican/Mexican-American/Chicano	8	35	43
	OA Other Asian	2	16	18
	OT Other	2	2	4
	PI Pacific Islander	0	2	2
	UN Unknown	0	2	2
	VT Vietnamese/Viet-American	2	11	13
	WH White/Caucasian/Euro-American	4	46	50
Total		35	211	246

race Race of freshman during first term * math021_term1 Got C-minus or better in MATH 21 during first term? Crosstabulation

% within math021_term1 Got C-minus or better in MATH 21 during first term?

		math021_term1 Got C-minus or better in MATH 21 during first term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	5.7%	4.3%	4.5%
	AI American Indian/Alaska Native		.5%	.4%
	CH Chinese/Chinese-American	11.4%	16.1%	15.4%
	DS Decline to State	5.7%	2.8%	3.3%
	EI East Indian/Pakistani	17.1%	6.2%	7.7%
	FP Filipino/Filipino-American	2.9%	9.0%	8.1%
	JA Japanese/Japanese-American		1.9%	1.6%
	KO Korean/Korean-American		2.4%	2.0%
	LA Other Spanish-American/Latino	5.7%	2.8%	3.3%
	MX Mexican/Mexican-American/Chicano	22.9%	16.6%	17.5%
	OA Other Asian	5.7%	7.6%	7.3%
	OT Other	5.7%	.9%	1.6%
	PI Pacific Islander		.9%	.8%
	UN Unknown		.9%	.8%
	VT Vietnamese/Viet-American	5.7%	5.2%	5.3%
	WH White/Caucasian/Euro-American	11.4%	21.8%	20.3%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
pell Was freshman Pell eligible during first term? * math021_term2 Got C-minus or better in MATH 21 during second term?	318	34.5%	605	65.5%	923	100.0%

pell Was freshman Pell eligible during first term? * math021_term2 Got C-minus or better in MATH 21 during second term? Crosstabulation

Count

		math021_term2 Got C-minus or better in MATH 21 during second term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	43	131	174
	1 Yes	49	95	144
Total		92	226	318

pell Was freshman Pell eligible during first term? * math021_term2 Got C-minus or better in MATH 21 during second term? Crosstabulation

% within math021_term2 Got C-minus or better in MATH 21 during second term?

		math021_term2 Got C-minus or better in MATH 21 during second term?		
		0 Did not pass	1 Passed	Total
pell Was freshman Pell eligible during first term?	0 No	46.7%	58.0%	54.7%
	1 Yes	53.3%	42.0%	45.3%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
dorm Did freshman live on campus during first term? * math021_term2 Got C-minus or better in MATH 21 during second term?	318	34.5%	605	65.5%	923	100.0%

dorm Did freshman live on campus during first term? * math021_term2 Got C-minus or better in MATH 21 during second term? Crosstabulation

Count

		math021_term2 Got C-minus or better in MATH 21 during second term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	20	48	68
	Y	72	178	250
Total		92	226	318

dorm Did freshman live on campus during first term? * math021_term2 Got C-minus or better in MATH 21 during second term? Crosstabulation

% within math021_term2 Got C-minus or better in MATH 21 during second term?

		math021_term2 Got C-minus or better in MATH 21 during second term?		
		0 Did not pass	1 Passed	Total
dorm Did freshman live on campus during first term?	N	21.7%	21.2%	21.4%
	Y	78.3%	78.8%	78.6%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
sex Gender of freshman during first term * math021_term2 Got C-minus or better in MATH 21 during second term?	318	34.5%	605	65.5%	923	100.0%

sex Gender of freshman during first term * math021_term2 Got C-minus or better in MATH 21 during second term? Crosstabulation

Count

		math021_term2 Got C-minus or better in MATH 21 during second term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	58	124	182
	M	34	102	136
Total		92	226	318

sex Gender of freshman during first term * math021_term2 Got C-minus or better in MATH 21 during second term? Crosstabulation

% within math021_term2 Got C-minus or better in MATH 21 during second term?

		math021_term2 Got C-minus or better in MATH 21 during second term?		
		0 Did not pass	1 Passed	Total
sex Gender of freshman during first term	F	63.0%	54.9%	57.2%
	M	37.0%	45.1%	42.8%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
citizen Citizenship of freshman during first term * math021_term2 Got C-minus or better in MATH 21 during second term?	318	34.5%	605	65.5%	923	100.0%

citizen Citizenship of freshman during first term * math021_term2 Got C-minus or better in MATH 21 during second term? Crosstabulation

Count

		math021_term2 Got C-minus or better in MATH 21 during second term?		Total
		0 Did not pass	1 Passed	
citizen Citizenship of freshman during first term		0	1	1
	N	0	2	2
	PR	4	18	22
	Y	88	205	293
Total		92	226	318

citizen Citizenship of freshman during first term * math021_term2 Got C-minus or better in MATH 21 during second term? Crosstabulation

% within math021_term2 Got C-minus or better in MATH 21 during second term?

		math021_term2 Got C-minus or better in MATH 21 during second term?		Total
		0 Did not pass	1 Passed	
citizen Citizenship of freshman during first term			.4%	.3%
	N		.9%	.6%
	PR	4.3%	8.0%	6.9%
	Y	95.7%	90.7%	92.1%
Total		100.0%	100.0%	100.0%

Crosstabs

Z:\IPA\Ad Hoc Requests\Natural Science Early Progress Policy\0. Analysis Dataset.sav

Case Processing Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
race Race of freshman during first term * math021_term2 Got C-minus or better in MATH 21 during second term?	318	34.5%	605	65.5%	923	100.0%

race Race of freshman during first term * math021_term2 Got C-minus or better in MATH 21 during second term? Crosstabulation

Count

		math021_term2 Got C-minus or better in MATH 21 during second term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	8	14	22
	AI American Indian/Alaska Native	0	3	3
	CH Chinese/Chinese-American	4	21	25
	DS Decline to State	2	1	3
	EI East Indian/Pakistani	4	19	23
	FP Filipino/Filipino-American	11	32	43
	JA Japanese/Japanese-American	1	2	3
	KO Korean/Korean-American	2	3	5
	LA Other Spanish-American/Latino	8	6	14
	MX Mexican/Mexican-American/Chicano	28	40	68
	OA Other Asian	7	16	23
	OT Other	0	8	8
	PI Pacific Islander	1	1	2
	VT Vietnamese/Viet-American	2	10	12
	WH White/Caucasian/Euro-American	14	50	64
Total		92	226	318

race Race of freshman during first term * math021_term2 Got C-minus or better in MATH 21 during second term? Crosstabulation

% within math021_term2 Got C-minus or better in MATH 21 during second term?

		math021_term2 Got C-minus or better in MATH 21 during second term?		
		0 Did not pass	1 Passed	Total
race Race of freshman during first term	AF African-American/Black	8.7%	6.2%	6.9%
	AI American Indian/Alaska Native		1.3%	.9%
	CH Chinese/Chinese-American	4.3%	9.3%	7.9%
	DS Decline to State	2.2%	.4%	.9%
	EI East Indian/Pakistani	4.3%	8.4%	7.2%
	FP Filipino/Filipino-American	12.0%	14.2%	13.5%
	JA Japanese/Japanese-American	1.1%	.9%	.9%
	KO Korean/Korean-American	2.2%	1.3%	1.6%
	LA Other Spanish-American/Latino	8.7%	2.7%	4.4%
	MX Mexican/Mexican-American/Chicano	30.4%	17.7%	21.4%
	OA Other Asian	7.6%	7.1%	7.2%
	OT Other		3.5%	2.5%
	PI Pacific Islander	1.1%	.4%	.6%
	VT Vietnamese/Viet-American	2.2%	4.4%	3.8%
	WH White/Caucasian/Euro-American	15.2%	22.1%	20.1%
Total		100.0%	100.0%	100.0%