

# Program Review Department Data Packet - BIOL

## Enrollment Patterns & Course Offerings

Department	Metric	Academic Year				
		2005/06	2006/07	2007/08	2008/09	2009/10
BIOL	Unique Headcount	1211	1294	1382	1375	1630
	Total Course Enrollments	1558	1688	1807	1800	2151
	# of Course Offerings	23	23	22	22	25
	# of Section Offerings	54	65	70	69	74
	Ave Enrollment per Section*	28.9	26.0	25.8	26.1	29.1

\*Color Coding: Pink cells contain values at least 10% lower than the college average; blue cells at least 10% above the college average.

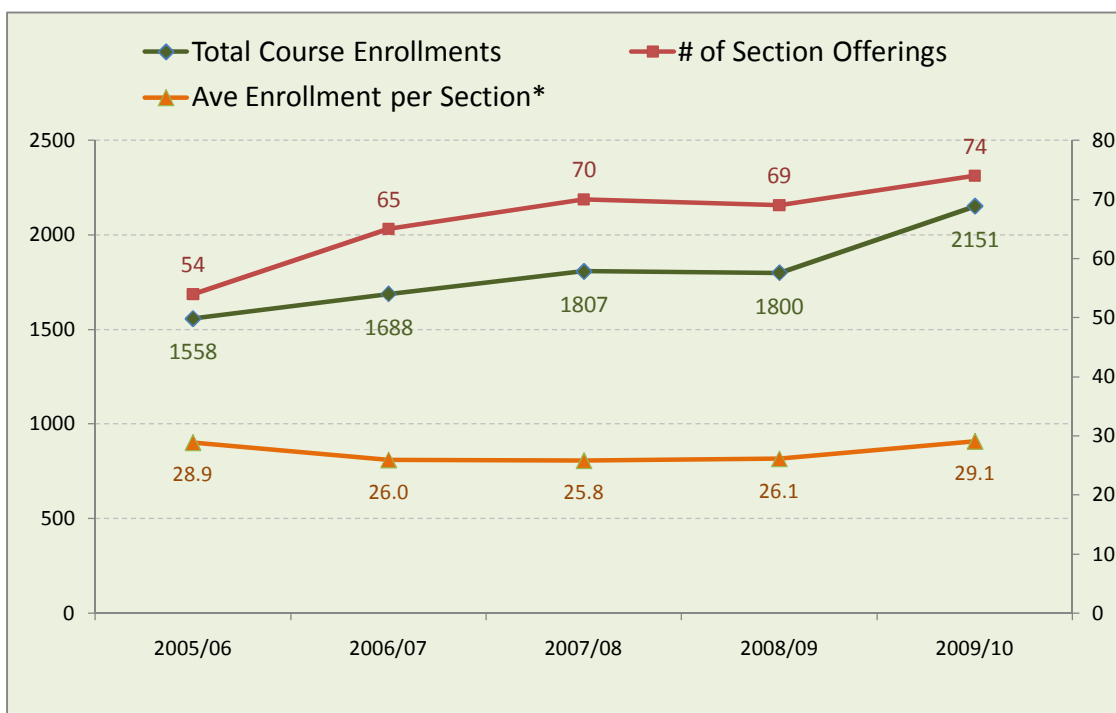
Data Definitions: **Unique Headcount** is the count of individual students (no duplicates) enrolled in any courses within the Department

**Total Course Enrollments** is the sum of all individual section enrollments within the Department.

**# of Course Offerings** is the number of courses offered within the department for that Academic Year.

**# of Section Offerings** is the number of course sections offered within the department for that Academic Year.

**Ave Enrollment per Section** is the average number of students per section (Average Class Size).



### Some questions to get you thinking:

- \* Compare course enrollments to section offerings. What is the relationship between the two trends?
- \* Consider the trend in average enrollments per section. How does that trend compare to the trend in section offerings?
- \* How does your Department's average enrollment per section compare to the college average? Why might they be different?
- \* Consider the levels & growth of course enrollments and unique headcount. What does the difference tell you about your students?
- \* Do the trends suggest any goals or enrollment targets for the department?

### Department Efficiency

Department	Metric	Academic Year				
		2005/06	2006/07	2007/08	2008/09	2009/10
BIOL	WSCH	10783	12418	12938	13587	14453
	FTES	359.4	413.9	431.3	452.9	481.8
	FTE	15.84	18.65	20.56	20.04	21.33
	Load*	681	666	629	678	677

**\*Color Coding:** Cells shaded pink contain values 10% lower than the College average; cells shaded blue contain values 10% above the College average.

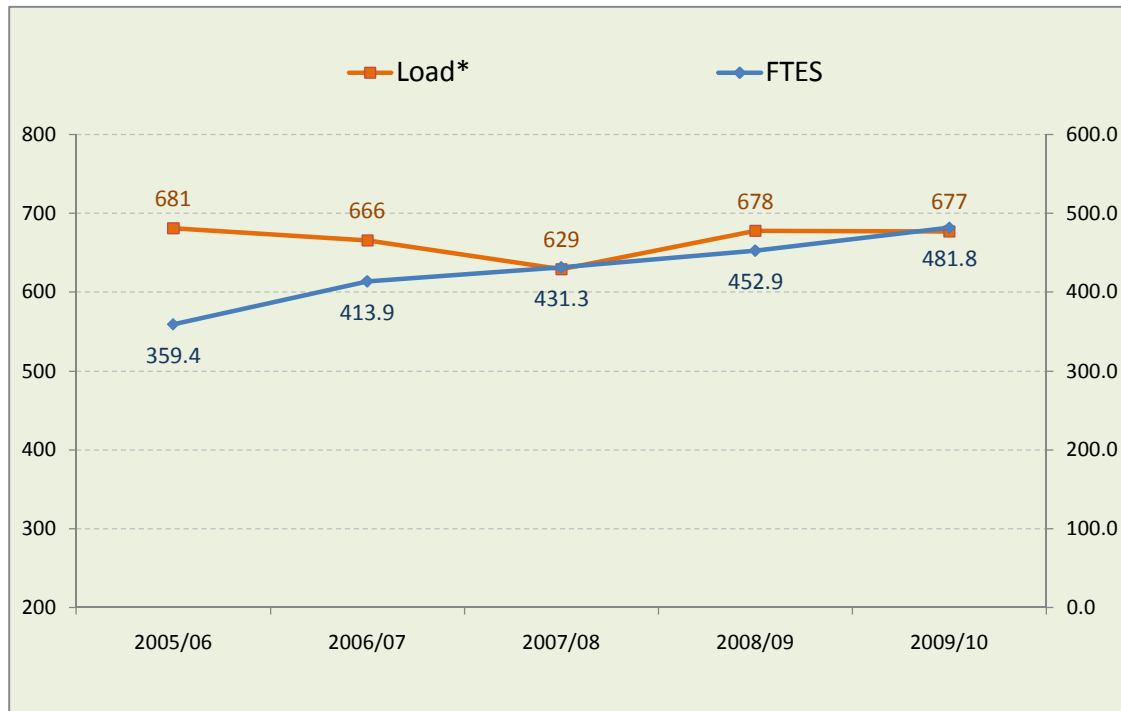
**Data Definitions:** **WSCH** is the total Weekly Student Contact Hours resulting from all enrollment within the department.

**FTES** is the total Full Time Equivalent Student value resulting from all enrollment within the department.

**FTE** is the Full Time Equivalent faculty associated with the Department's course offerings for that Academic Year.

**Load** is the ratio of WSCH to FTE and a standard measure of department efficiency.

### Department Overview



Some questions to get you thinking:

- \* What are the overall trends for Dept FTES & Load? Are the trends moving in the same direction?
- \* Were there any deviations or sudden changes in the trend over the period? What do you think might be the underlying causes?
- \* How does your Dept load compare with the college average? Are the trends similar? Why might they be different?
- \* Given these trends and your reflection on their causes, what do you think are reasonable one-year and three-year targets for FTES & Load?

### Student Performance Profile

Department	Metric	Academic Year				
		2005/06	2006/07	2007/08	2008/09	2009/10
BIOL	Success Rate*	72.1%	72.2%	71.9%	70.7%	66.8%
	Retention Rate*	83.6%	83.4%	85.2%	84.0%	82.1%
	Ave Units Attempted this Academic Year	7.41	7.65	7.6	7.74	7.78
	Ave Units Earned this Academic Year	5.66	5.81	5.79	5.78	5.92
	Ave Academic Year GPA	2.7	2.63	2.71	2.64	2.6
	Ave Cumulative GPA	2.92	2.9	2.92	2.92	2.89

**\*Color Coding:** Cells shaded pink contain values 10% lower than the College average; cells shaded blue contain values 10% above the College average.

**Data Definitions:** **Success Rate** is the percentage of students receiving a passing grade (A, B, C or CR) relative to all students receiving a grade.

**Retention Rate** is the percentage of students receiving any grade other than W relative to all students receiving a grade.

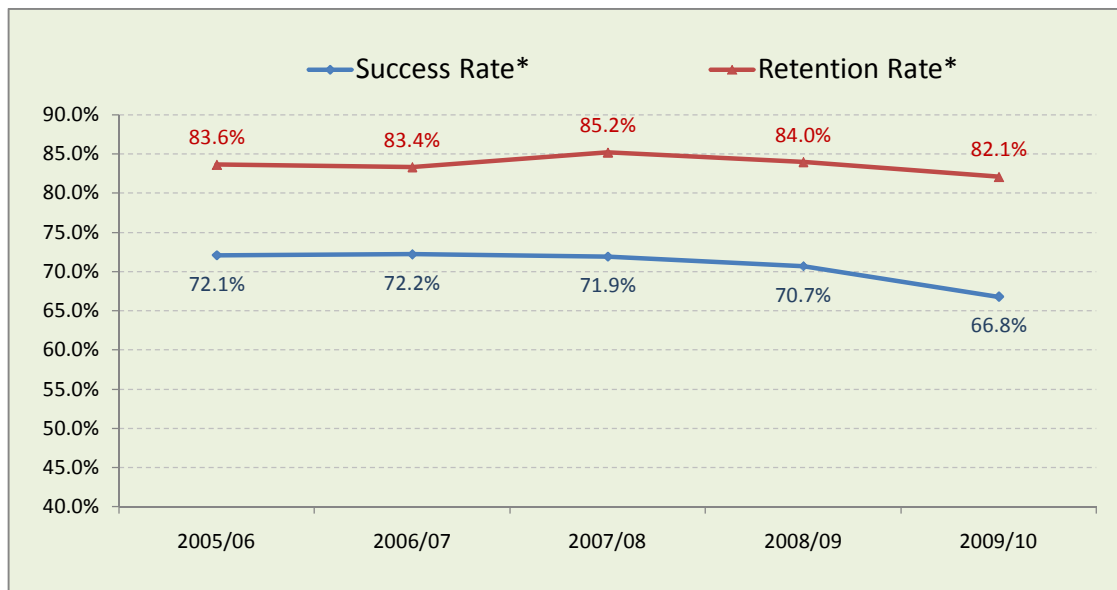
**Ave Units Attempted this Academic Year** is the average number of units associated with students enrollment for the Academic Year after the add/drop de

**Ave Units Earned this Academic Year** is the average number of course units awarded to the student at the end of the given Academic Year.

**Ave Academic Year GPA** is the average current Academic Year GPA of all students taking courses in the department for the given Academic Year.

**Ave Cumulative GPA** is the average cumulative GPA of all students taking courses in the department for the given Academic Year.

### Student Performance Profile



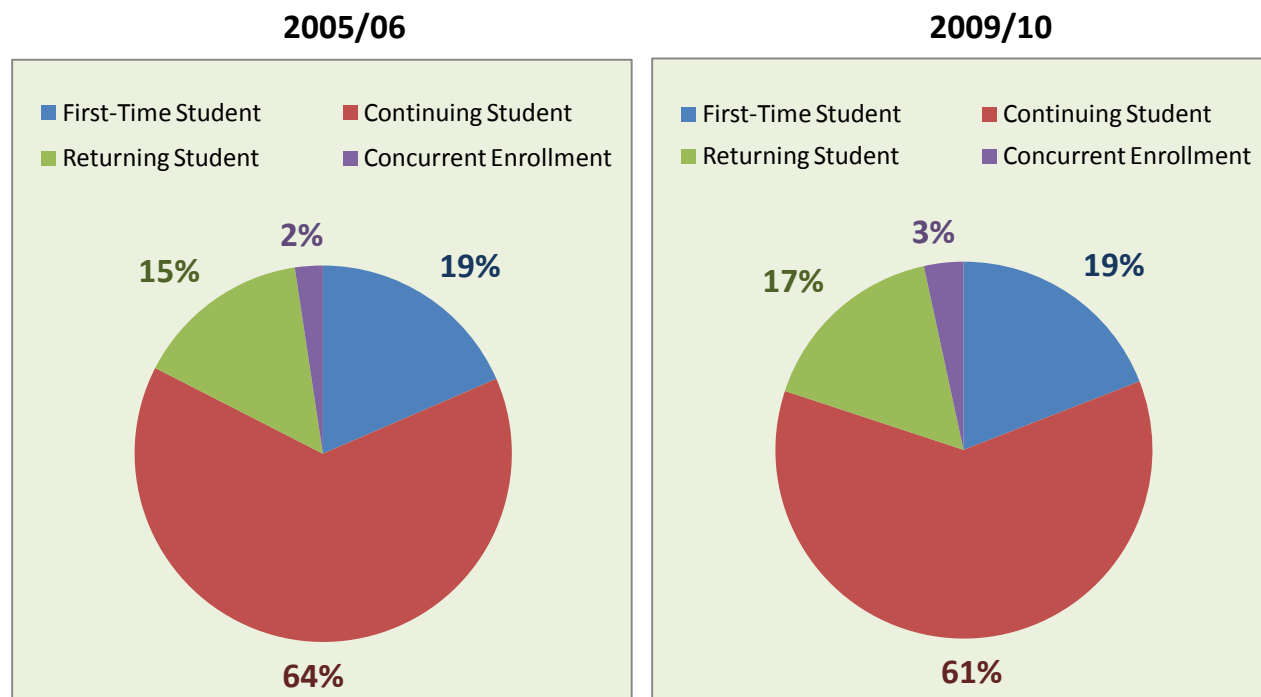
Some questions to get you thinking:

- \* What are the overall trends in success rate and retention rate? Why might they be exhibiting those patterns?
- \* Consider the levels & trends in student GPA and Unit Load? Could they explain any of the patterns in success and retention?
- \* What do you think are the two or three underlying causes driving those trends and how might they be improved?
- \* Are you generally satisfied with the departments current success & retention rates? How do they compare with the college average?

### Student Enrollment Status Profile

Department	Metric	Academic Year				
		2005/06	2006/07	2007/08	2008/09	2009/10
BIOL	First-Time Student	224	251	291	322	311
	Continuing Student	775	797	798	754	994
	Returning Student	183	210	220	233	270
	Concurrent Enrollment	29	36	73	66	55
	Percent First Time	18%	19%	21%	23%	19%
	Percent Continuing	64%	62%	58%	55%	61%
	Percent Returning	15%	16%	16%	17%	17%
	Percent Concurrent	2%	3%	5%	5%	3%

**Data Definitions:** **First Time Student** A student that has never attended this DISTRICT, but may have attended or may be currently attending another college.  
**Returning Student** is returning to this DISTRICT and has not attended another institution since the last Academic Year here or is returning to this DISTRICT after attending another college.  
**Continuing Students** are those that attended the DISTRICT in immediately previous primary Academic Year. Fall & Spring are primary Academic Years.  
**Concurrent Enrollment** is a student that is attending high school during the Academic Year for which he/she is applying.



Some questions to get you thinking:

- \* How has the proportion first-time, continuing & returning students in your department changed over the period?
- \* Does this change suggest any response strategy for the department?
- \* How does the current picture compare with the college average and what does that tell you?

### Student Goal Orientation

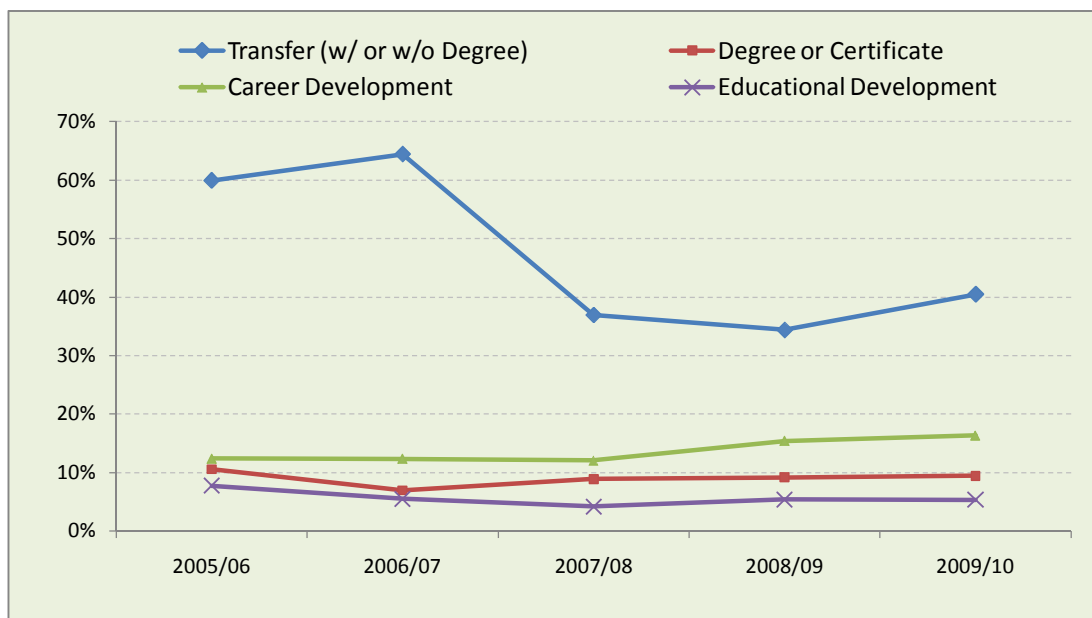
Department	Metric	Academic Year				
		2005/06	2006/07	2007/08	2008/09	2009/10
BIOL	Transfer (w/ or w/o Degree)	726	834	511	473	660
	Degree or Certificate	128	90	123	126	154
	Career Development	150	160	167	212	266
	Educational Development	94	71	58	74	87
	Undecided	24	29	438	380	335
	Other Goal	89	106	74	100	115
	Percent Transfer	60%	64%	37%	34%	40%
	Percent Degree or Certificate	11%	7%	9%	9%	9%
	Percent Career Development	12%	12%	12%	15%	16%
	Percent Education Development	8%	5%	4%	5%	5%
	Percent Undecided	2%	2%	32%	28%	21%
	Percent Other	7%	8%	5%	7%	7%

**Data Definitions:** All counts & percentages reflect the student's primary educational goal as indicated on their first application.

**Note 1:** Percentages do not sum to 100% because the Transfer category is not mutually exclusive with Degree Orientation.

**Note 2:** Because of limited space only the first four categories are plotted below. Consider the patterns associated with the Undecided and Other categories when identifying and analyzing department trends.

### Sample of Student Goal Orientation



Some questions to get you thinking:

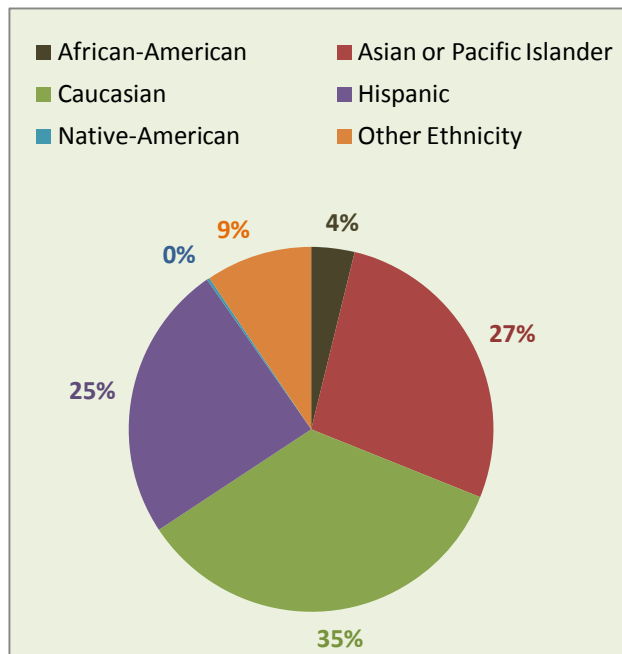
- \* What are the most important trends occurring over the period? Do the data match your perceptions ?
- \* What do you think are the underlying causes driving these trends ?
- \* Does this change suggest any response strategy for the department?
- \* How do the department trends compare to the college? Why might the two show different trends?

### Student Demographics - Ethnicity

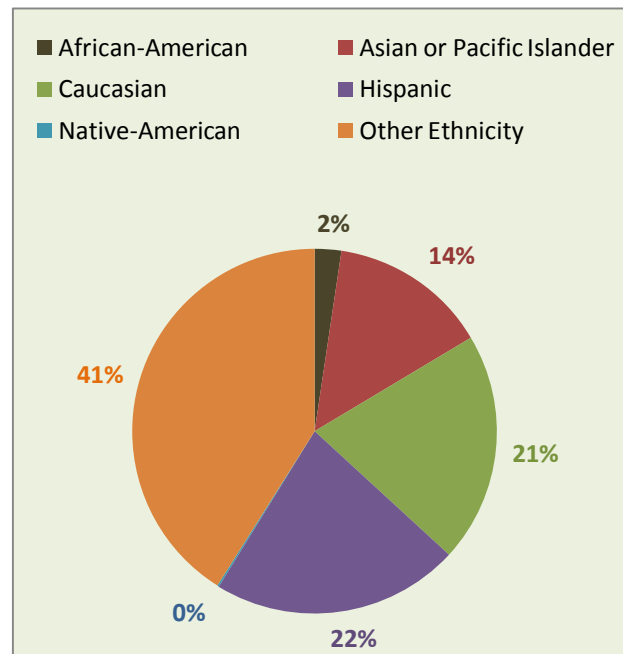
Department	Metric	Academic Year				
		2005/06	2006/07	2007/08	2008/09	2009/10
BIOL	African-American	46	41	34	39	38
	Asian or Pacific Islander	329	334	372	327	228
	Caucasian	418	470	450	455	331
	Hispanic	297	301	365	328	356
	Native-American	3	7	5	2	3
	Other Ethnicity	114	138	154	219	665
	Percent African-American	4%	3%	2%	3%	2%
	Percent Asian or Pacific Islander	27%	26%	27%	24%	14%
	Percent Caucasian	35%	36%	33%	33%	20%
	Percent Hispanic	25%	23%	26%	24%	22%
	Percent Native-American	0%	1%	0%	0%	0%
	Percent Other Ethnicity	9%	11%	11%	16%	41%

Data Definitions: Ethnicity category percentages may not sum to 100% due to nondisclosures.

2005/06



2009/10



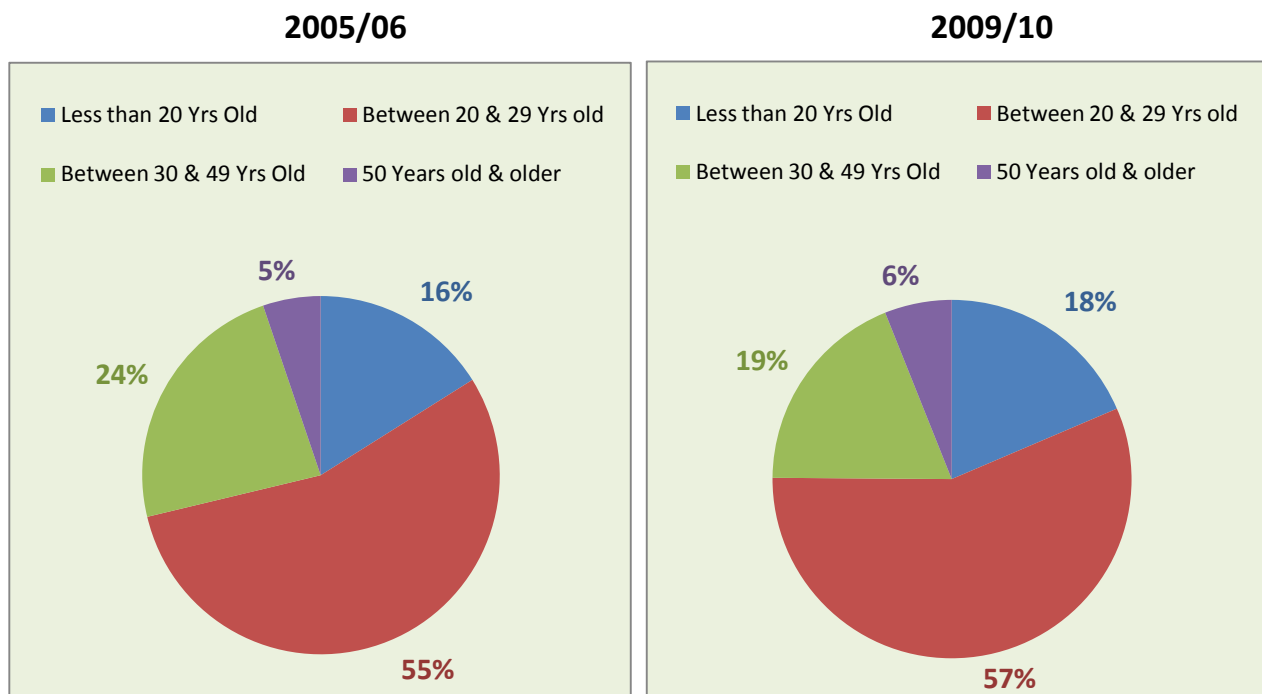
Some questions to get you thinking:

- \* How has ethnicity profile of your department changed over the period? How do you interpret those changes?
- \* What might be the underlying causes driving any changes?
- \* Does this change suggest any response strategy for the department?
- \* How does the current picture compare with the college average and what does that tell you?

### Student Demographics - Gender & Age

Department	Metric	Academic Year				
		2005/06	2006/07	2007/08	2008/09	2009/10
BIOL	Female	874	918	961	959	1117
	Male	316	354	388	381	475
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	Less than 20 Yrs Old	194	204	244	273	301
	Between 20 & 29 Yrs old	666	746	797	756	917
	Between 30 & 49 Yrs Old	284	272	271	273	304
	50 Years old & older	63	69	68	68	99
	<hr/>					
	% Female	72%	71%	70%	70%	69%
	% Male	26%	27%	28%	28%	29%
	<hr/>					
	% Less than 20 yrs old	16%	16%	18%	20%	18%
	% Between 20 & 29 yrs old	55%	58%	58%	55%	56%
	% Between 30 and 49 yrs old	23%	21%	20%	20%	19%
% 50 Years old & older	5%	5%	5%	5%	6%	

**Data Definitions:** Gender & Age category percentages may not sum to 100% due to nondisclosures.



Some questions to get you thinking:

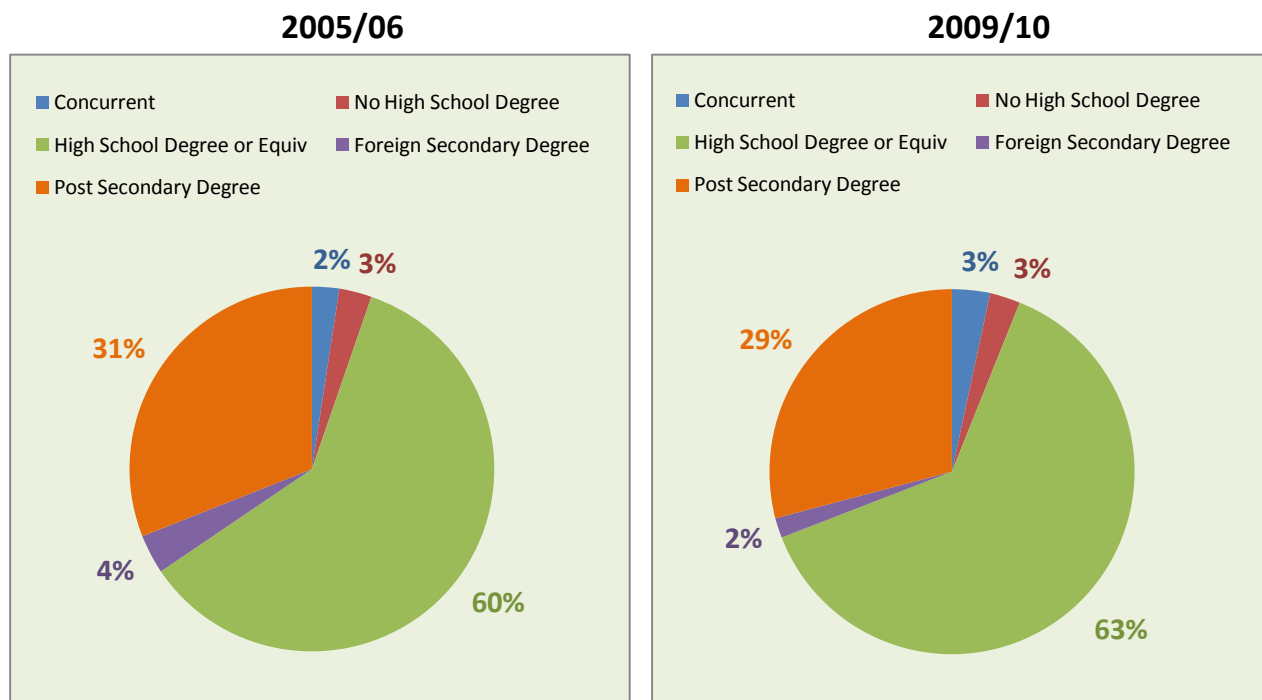
- \* Have there been any significant changes in the age profile of your students over the period? How do you interpret those changes?
- \* What might be the underlying causes driving any changes? Do you expect the trend to continue?
- \* How does the current picture for the department compare with the college?
- \* Does this change suggest any response strategy for the department?

### Student Education Attainment Level

Department	Metric	Academic Year				
		2005/06	2006/07	2007/08	2008/09	2009/10
BIOL	Concurrent	29	36	73	66	55
	No High School Degree	35	29	32	27	44
	High School Degree or Equiv	727	768	841	832	1026
	Foreign Secondary Degree	42	38	53	34	29
	Post Secondary Degree	374	422	380	411	474
	% Concurrent Enrollment	2%	3%	5%	5%	3%
	% No High School Degree	3%	2%	2%	2%	3%
	% High School Degree or Equiv	60%	59%	61%	61%	63%
	% Foreign Secondary Degree	3%	3%	4%	2%	2%
	% Post Secondary Degree	31%	33%	27%	30%	29%

**Data Definitions:** All counts & percentages reflect the student's primary educational goal as indicated on their first application.

**Note 1:** Percentages do not sum to 100% because the Transfer category is not mutually exclusive with Degree Orientation.



Some questions to get you thinking:

- \* Is the current education attainment profile of your students what you expected?
- \* How has the education level of the students in your department been changing over this period?
- \* What might be the underlying causes driving any changes? Do you expect the trend to continue?
- \* How does the current picture for the department compare with the college?
- \* Does this change suggest any response strategy for the department?