

Biological, Health, Environmental Sciences and Workforce Education Division

General Questions for All Instructional Departments to DEAN

- Of the low-enrolled sections, what would be the impact if they are offered less often or eliminated? Please be specific (for example, eliminate the 7:30 am sections of Basket Weaving-101).

We have already been managing enrollment with our schedules going into Spring 2012, Summer 2012 and Fall 2012, eliminating or decreasing courses that have decreased demand and increasing courses with a greater demand. For example in the Spring the ES Department Chair decided to not offer 2 sections of ES classes due to a decreased demand. We however increased sections of Bio 10 and Nutrition, which have a high demand.

- Currently, De Anza offers some basic skills courses 3 or 4 levels below college level. What would be the impact on your department if this were changed to only 1 or 2 levels?

It may affect students who are in need of pre-requisite work.

- Will the development of AAT AST degrees impact courses that are not required for the transfer pattern?

No

- Should we continue to offer the breadth of courses that satisfy the same transfer requirements?

No, we have already addressed this in our division. For example...in the case of Biology we have reduced the number of courses that fill the GE requirements from 7 life science lecture-with-lab courses to 2 life science lecture-with-lab courses and in the case of lecture-only science classes we have gone from 4 courses to 2 courses available for students to meet their GE requirements.

Biological, Health and Environmental Sciences & Workforce Education

Question Set:

Division

1. What are the estimated total costs associated with each of the division's programs? Please provide a ratio of the overall estimated cost relative to the number of students served in each of the programs/departments (i.e., cost/student enrollment (2010-11)). What would be the actual cost savings associated with the elimination of each program? What would be the impact on other programs?

Please see attached.

2. Based on the IPBT's recommendations (Fall 2011), has the division looked closely at "fill-rates" and reduced the number of classes where there is a pattern of low fill-rates and moved the FTEF into higher demand classes within the Biology Department?

De Anza College
Instructional Planning and Budget Team
Spring, 2012

Yes, we have. This is a dynamic and ongoing process. We look at wait lists, fill rates and overall enrollment patterns. For example we have seen in recent years a fall in demand for Bio 11: Human Biology while at the same time we have seen a huge increase in demand for Nutrition classes and a more moderate increase in demand for Bio 10: Introduction to Biology (plants and animals). Adjusting course offerings has enabled the department and division to see continuing academic years of increased enrollment.

Department	Operating costs	Students served	Cost per student	Other relevant data	Outcomes
AUTO TECH	\$1,176,159.11	2222	\$529.32	WSCH 13,383 Productivity 437 Retention 92% Success 85%	101 annual openings for auto technicians for the period 2006-2016 and a steady growth rate of 5.6% in San Jose, Sunnyvale and Santa Clara alone
BIOLOGY	\$2,120,692.11	5870	\$361.27	WSCH 36,481 Productivity 709 Retention 90% Success 74%	GE requirements, Biology majors and prerequisite classes for allied health careers
ENVIRONMENTAL STUDIES	\$1,035,945.24	4497	\$230.36	WSCH 19,024 Productivity 539 Retention 93% Success 83%	GE requirements, majors and CTE program
HEALTH TECHNOLOGIES	\$383,824.33	2180	\$176.07	WSCH 6835 Productivity 585 Retention 92% Success 84%	22% increase in Health Tech employment opportunities - Medical Assisting, Coding, Phlebotomy and EKG Tech expected to increase 30% or more
MANUFACTURING & CNC	\$468,773	1170	\$400.66	WSCH 8002 Productivity 553 Retention 97%	131 annual openings graduates for the period 2006-2016

						Success 92%	and a steady growth rate of 6.5 % in San Jose, Sunnyvale and Santa Clara alone
MEDICAL LAB TECHNOLOGY	\$164,347.46	400	\$410.00			WSCH 2022 Productivity 311 Retention 91% Success 86%	A steady growth rate of 14.3 % in Santa Clara-San Benito Counties.
NURSING	\$1,560,122.04	2022	\$771.57			WSCH 9926 Productivity 293 Retention 97% Success 92%	A steady growth rate of 25.7 % in Santa Clara-San Benito Counties.