

## **Instructional Funding request**

### **Biology**

#### Justification:

Enrollment has continued to grow in Biology. Enrollment has continued to increase in most targeted student groups (up from 2063 to 2699 in the same period) . African American student enrollment has increased from 164 to 212 , Filipino students have increased from 466 to 539, Latino students have increased to 754 from 1062.

While we are seeing increased enrollment in these targeted groups it is also important that we give the students the resources and tools to be successful in their coursework. Many of the requested materials will make Biological theories, concepts as well as complex laboratory experiments accessible to all students; available for multiple opportunities at review; and for convenient, quick and efficient reference/fact checks. We hope to make our science classes equitable for all students in terms of their experience and outcomes.

1. 45 iPads for Biology majors classes.
2. Ohaus® Scout Pro Electronic Balance, 4000g x 0.1g - \$646.00 x2 = \$1,292.00
3. Olympus Microscopes (Microscope International) - \$1,399.00 x64 = \$89,536.00
4. Heart Models Denoyer-Geppert Heart of America Model - \$434.95 x 8 = \$ 3479.60
5. Somso Digestive Tract Model - \$897.40 x2 = \$1,794.80
6. Model Plus Animal Cell Model - \$90.30 x10 = \$903.00
7. Comprehensive Animal Cell Model - \$553.85 x6 = \$3,323.10
8. Altay Skin Model - \$198.00 x10 = \$1,980.00
9. Somso Skin Model - \$698.60 x2 = \$1,397.20
10. Altay Human Head Section with Cranial Nerves Model - \$375.00 x8 = \$3000.00
11. 3B Scientific® 22 Part Beauchene Skull (Colored) - \$482.00 x3 = \$964.00
12. Rudiger Teaching Skull (Colored) - \$585.00 x2 = \$1,170.00
13. 3B Muscle Fiber Model - \$272.00 x8 = \$2,176.00
14. Slides - Ileum - \$9.50 x20 = \$190
- 15 Slides - Trachea - \$12.15 x20 = \$243
16. Economy Horizontal Electrophoresis Chamber - \$193.65 x8 = \$1,549.20

Total = \$ 113,930.90

### **MLT & HTEC**

#### Justification:

Technology is increasing in the laboratory and for the program to stay current and prepare students for clinical rotations and jobs resources are needed. According to the EED labor predictions the field will grow another 16%

With the roll out of the Affordable Care Act the demand for trained health care personnel will increase and the demand to keep cost down will also increase. The state predicts a 16% increase in employment.

Student retention for underrepresented populations for the last 5 years has increased. The withdrawal rate started at around 29% and has dropped to about 4% for the targeted group in the last 3 years. Student success for this underrepresented group of students = 78%. However, if you look at the individual groups, the success rate for African American increased from 64% to 86% a 22% increase in this group. Native Americans and Pacific Islanders remained at 100%.

1. Serofuge Centrifuge	\$ 3105.00
2. CX22 Microscopes	\$1474.25
3. Sorval Cell washer	\$9088.00
4. EKG machines (2 @ \$3500)	\$7500
	\$
Total = 21,167.25	