

**Request for Additional Lottery allocation
2016 – 2017
DMT/ Mike Appio**

1. What will the money be used for? (i.e., software, videos, simulation, etc.)

Factory Wiz DNC software. This software will allow the instructor to train all students with the latest CNC monitoring system. This system is the same used by local companies such as Space Systems Loral and FMC Corporation to name a few. The software will allow the instructor to teach all students simultaneously how to monitor production and efficiency of the CNC machine. The software will allow the students to learn valuable job skills (software and monitoring system valued at \$60,000). This is a one-time purchase and will not need annual maintenance.

Additional amount requested – 1 software /installation \$14,400 DeAnza Discounted Price

HAAS CNC Simulators. Additional “Hands on Simulators” allow more students to be exposed to the latest CNC controllers in industry. Increased learning in beginning and advanced CNC lathe and mill classes, as well as real life program testing in our CAD/CAM classes. Since we will have simulators in multiple classrooms, this will allow the department to better utilize the classrooms for scheduling. There is no annual maintenance associated with simulators.

Additional amount requested – 3 simulators \$5,844 (\$1948.00 ea. / educational discount included)

2. How many students will benefit from this purchase?

The purchase of the two simulators and the software packages will benefit all students in the CNC and CAD/CAM classes.

Design and Manufacturing Technologies – 850 of the 1400 annual enrollment will benefit

3. How does this enhance your Equity Goals?

The acquisition of simulators and software will allow students, many who are working multiple part time jobs and taking on family responsibilities, more time to gain the valuable skills needed to be more desirable to employers. These skills also pay the highest entry level salaries in the industry. The simulators and software will also be available during skills labs so students who have other family/work responsibilities can use the high tech simulators and software at their own pace.

4. How does this enhance your Student Learning Outcomes?

In order for students to complete SLO and PLO outcomes for what they were truly intended for, they have to be able to have the best technology available. The extra resources will give all our students the same opportunity to achieve these outcomes. Although the SLO will read the same, the advanced technology will change the way the student visualizes the outcome.

5. Was this noted on your Program Review?

Yes...Specific software not mentioned, but budget augmentation was included in the program review for these reasons.