Student Technology Fee Committee (STFC)
Annual Allocation Request

ALLOCATION REQUEST DATE INFORMATION

Date Created:	2020-02-27 15:22:38	Date Due:	2020-02-28 17:00:00	Date Submitted:	2020-02-27 15:38:19

ALLOCATION REQUEST TITLE/DESCRIPTION

Request Title: 3D Printing Continuation

Request Description: To continue our 3D printing services to students

ALLOCATION REQUEST INFORMATION

Department Name:	Computer Services	Request Code:	20A0237
Contact Names:	Joshua Gibson	UW Tacoma Affiliation:	Staff
UWT Email Address:	jcgibson@uw.edu	Phone Number:	253-692-4661
Title of Request:	3D Printing Continuation	Type of Request:	Continuous / Ongoing

Department Head Approval: ✔   Department Head: Forrest Tyree

Annual Request Information

1. Background: Review and discuss the context of the proposed technology in detail. Explain how this proposal will be used in conjunction with an original proposal or existing technology. If applicable, how is the current technology disabled or inadequate?

We are requesting funds for an additional 3D Printer, continued supplies, and wages for a student worker that will be trained in 3D printing in order for them to train/assist students. 3D Printing is an up and coming technology; it is currently being utilized by a variety of different industries and is expanding exponentially. This training would give students the knowledge to operate a 3D Printer properly as well as to have someone that can assist them in the 3D Printing. We are requesting an additional printer due to the fact that the current one was purchased in 2016 and is getting older, slower, and that we are getting more and more requests each quarter. The new printer has a larger build plate, 2 print heads, and 2 times faster than our current 3D printer. The second printer will allow us to print much faster and have shorter waiting periods for students. We have had a lot of 3D printing requests, for example during the Fall 2019 quarter we had 57 different 3D printing projects come in, mostly by the end of the quarter.

2. Benefit to Students: Discuss how students have benefited from the original proposal, if applicable. How will additional funding of the technology benefit students? If this was an unforeseen technology need, discuss how students will benefit from this new proposal and why the need cannot wait for annual allocation funding.

The use of 3D Printing can be utilized by all students on campus for presentation aids, projects, or personal growth. For example, a biology major can 3D print a cell structure. A history major can print models of artifacts and people from history. An art major can use 3D printing to express their artistic design. As you see, there are many uses for 3D printing that utilized by all students no matter the major. The software that will be used is open source and can be installed and used by any student. This will benefit students that come into the lab in WG108 with the interest in 3D printing.

3. Access: Describe who will be using or will have access to the resources being proposed. If the access has changed since an original proposal, be sure to note that here. In addition, all previous requestors, please provide historic data highlighting the usage and accessibility of technology. All new requestors, please provide user need data.

Only registered University of Washadton Tacoma students will be allowed to print to these printers.

WG Lab/Helpdesk

Monday-Thursday 7:30 AM to 10:30 PM, Friday—7:30 AM to 3 PM, Saturday--9 AM to 5 PM, Sunday-CLOSED

4. Timeline: Provide a timeline showing how the proposed technology can be completed during the requested period. Describe when you would like to see this proposal initiated and completed, and why.

If approved, the printer will be purchased and installed during the summer quarter of 2020. All installation will be provided by Computer Services at no charge. For the supplies, the proposal is an on-demand funding proposal with a duration of 7/1/2020 – 6/30/2021.

Student(s) will be hired/maintained in order to keep the 19 hours a week availability.

5. Resources/Budget: Discuss available financial, personnel and space resources devoted to the proposed technology and level of support. Proposal must detail all the items/resources requested to be purchased. This includes filling out the Item Detail in next section.

The purchase of the 3D printer, display case, and initial supplies was completed during 2016.

Continued supplies will be purchased when the need arises. Space has been allocated in the WG 108 lab for the 3D printer and supplies.

Funding Request Items

Item	QTY	Cost Per Item	Shipping Fee	Tax Per Item	Subtotal
3D Printing Assistant Wage	912	$14.00	$0.00	$0.00	$12,768.00
Benefits	912	$3.29	$0.00	$0.00	$3,000.48
MakerBot Method	1	$4,700.00	$0.00	$474.70	$5,174.70
MakerBot Smart Extruder+	8	$285.00	$0.00	$28.79	$2,510.32
MakerBot PLA Filament	4	$440.00	$0.00	$44.44	$1,937.76
MakerBot Method Filament	30	$75.00	$0.00	$7.58	$2,477.40
				OVERALL TOTAL:	$27,868.66