

Bridgerland Technical College Equipment Request					
<u>Program</u> <u>Priority</u> <u>Ranking</u>	<u>Item Needed</u>	<u>Program(s)</u>	<u>Justification</u> <u>How will this benefit the program and/or Institution?</u>	<u>Describe the negative impact on the program and/or institution if not funded</u>	<u>Cost</u>
1	Commerical Clothing Steamer (2)	Fashion Merchandising and Development	Replace the current steamers that constantly shut off and are not stable.	Allow students to steam clothing for fashion shows more efficiently and to a higher standard. Also used for a variety of other events at BTECH.	\$400
1	New computers	Web & Mobile Development	Our Macintosh computers are approaching their end of life. We currently have a mix of 2011 and 2012 iMacs that we have worked to upgrade so they last as long as possible but Apple will stop supporting them with the newest version of OSX this year. We would like to replace them with a mixture of 6 new PCs (estimated at about \$1500 each) and 7 New iMacs (estimated at \$1650 each).	Keeping up to date equipment is important in coding. If we can no longer update our computers properly we will no longer be able to use the newest software and equipment to train our students, leaving them behind in a fast moving industry.	\$20,550
1	3 Digital Sensors at \$9,000.00 each	Dental Assisting	Right now we have 1 sensor for 60 students. We can only have one x-ray patient at a time. It will allow multiple students to bring in patients at the same time. One sensor would be for the Brigham Campus. We currently transport the one shared sensor between campuses and I am worried it will get damaged.	Provide real equipment used in industry. Students are not prepared for current skills in this career without it.	\$27,000
1	Manikins Simulation	Nursing/Health Sciences Dept.	Clinical saturation is a serious concern. Simulation would allow students to participate in cares they can only observe presently. The program may be able to expand numbers if we could build simulation suites, but we would need more than one high fidelity simulation manikin and accompanying equipment. This cost estimate is on the low end and is for 1 gently used and refurbished manikin.	Provide life saving training using simulations. Students enter facilities without providing care for high intensity low frequency events (i.e. Code Blue, Respiratory Distress, Hemorrhage, etc.)	\$68,000
1	6 New Computers (64bit graphic card)	Interior Design	New computers gives students access to the most updated training 3D software programming for design. The old computers that we have now can not handle the new software making it impossible to update their training. We also do not have enough computers so it limits the amount of time students can learn how to use the new programs and retain the training.	We are trying to grow our department, not having enough computers for the number of students wanting to register for our department limits the amount of students we can allow into the department. Having new computers ensures students are being trained on the same software that their competition is being trained on so they have better chances for placement. Without new computers, we cannot guarantee that each student will have the same opportunity to have access to the same training and time developing. Must have skills to be hired as a designer.	\$9,600
1	Remodel of Demo Kitchen and upgrade	Culinary Arts	Demonstrations are a vital part of instruction and student participation.	Current demo kitchen needs an upgrade in equipment and appearance.	15,000
1	Demonstration kitchen in classroom	Culinary Arts	Culinary demonstrations are an intrical part of training. A workable kitchen helps students stay engaged while seeing processes that are required for competency.	Classroom demonstrations and visiting professional trainers use this space to provide instructional visuals of process steps to arrive at desired products. It needs to be cleanable and functional to meet needs.	\$6,000
1	2 Epson Brighlink Pro 1450UIInteractive - 3LCD projector - 802.11n wireless	Business Technology	Remove outdated projectors. Easier to use for instructors and can turn your current whiteboard into an interactive system.	Current equipment is antiquated and needs to be updated. With wireless system, the instructor can be anywhere in the room rather than stuck at a station by the wall trying to operate a direct connect system.	\$5,800
1	Fanuc LR Mate 200ID 4S 6 axis robot arm for Brigham City campus	Automated Manufacturing	Needed to match Introduction to robotics course lab requirements. Will allow students in Brigham City and area high schools taking AM STEM to complete this course without driving to Logan. This is one course that gets students excited to enter our Controls Engineering Technology program.	We currently cannot offer this complete curriculum and hands on training to all the students in our Brigham City campus, Box Elder High school, and Bear River High School. It is slowing down our graduation rates.	\$40,000

1	Flags/banners/signs for outside & eve	Cosmetology/Barbering, Master Esthetics	Lets people know we are here. Visitors and customers can find us.	We can post signs take to events, help advertise, and get noticed.	\$600.00
1	Shed	Police Academy	We have no storage at the gun range. Equipment loss and damage.	We have no storage at the gun range. Equipment loss and damage.	\$5,000
1	Fire Engine	Fire and Rescue Services	Our two fire engines continue to get older, cost more to repair, become more unreliable, and have the appearance of an antique fire engine. Having a more modern fire engine would also allow us to show it off more often at Career Days, Parades, or other PR events.	It is the main piece of equipment needed to train firefighters. Currently we are using apparatus that are around 40 years old and have lots of problems. We are not able to display them at events/parades because of their age and deteriorated condition. With this being said, we still take care of what we have and the RCA class details them each year (wax, polish, etc.) We would not purchase a new fire engine, that price is for one about 20 years old.	\$100,000
1	Weeke CNC Machine	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today. The machine requested is the machines used in the trade in northern Utah. There are 13 CNC machines currently in use in northern Utah. Teaching CNC technology with the machines being used in industry will produce a well rounded employee as well as enhance Cabinetmaking at Bridgerland.	the program falls further behind the technology used in the cabinet shops today. Employers are looking for employees that have CNC training. The program does not offer such training and therefore cannot train them due to the lack of equipment... The machine requested is the machines used in the trade in Northern Utah... There are 13 CNC machines currently in use in northern Utah.	\$100,000
1	Misc Tools for Electrical Lab	Apprenticeship	Equipment and Tools are old and outdated and need to be like the current style and technology	Upgraded Equipment simulations and tools will allow for a better lab/learning experience.	\$4,000
1	Classroom Audio/Visual Equipment	Building Technology	Provided a more up to date experience for the students	Upgrade our VHS to a digital format	\$15,000
1	Printed Circuit Board Router	Electronic Engineering Technology	Will allow us to do capstone projects where an electronics student could design a circuit, make the PCB, assemble and solder the components, troubleshoot if needed, and use it to do something awesome! This is also a great recruiting tool as students come to check out the program to show how a board is made from start to finish. Also great to do prototype projects for students and companies alike who are sponsoring a student's capstone project. We could add new classes and modules to the program with design and build of circuit boards. We also need it to make boards for our soldering certification courses. We could make all our training boards for the IPC soldering certification courses. This is a big draw to get and keep students excited thru out the program. We used to make our PCBs with chemicals that were very dangerous and hazardous waste. Our equipment has since broken down beyond repair and it is not safe anymore to use chemicals. This router is safe without any toxic chemicals. Safer for students and teaches cnc principles.	We presently rely on advisory board members to give us printed circuit boards for soldering practice. It is getting harder to get old boards from them, especially those with the older through-hole technology. It would be beneficial if we had a PCB router - we could solve this problem, and more importantly teach our students how to make PCBs. We are not able to currently make student boards needed for capstone and prototype projects. This limits the hands on component we need to teach. It limits our appeal to future students as well and hurts recruitment into the program. It limits the number of qualified graduates for the high demand from potential employers.	\$30,000
1	iMac's (12 at \$1650 each)	Information Technology	We are at the end of life for the current iMac's. They are running slow and being repaired too regularly. Students are required to take a Mac Essentials class, so they understand their way around the Mac OS.	Current computers can't run new software programs. This classroom is shared with the WEBM department and is used to teach night classes from. This is a "core" class for IT students and the class would need to be dropped from the program if we didn't have them.	\$19,800
1	Overhead Crane Hoists	Diesel	Equipment is failing due to use and age.	Will enable students to avoid safety risk or failure while operating said equipment.	\$20,000
1	Dozer Simulator	Heavy Equipment Operator	An additional simulator would allow more students to participate in the simulation exercises without having to have the actual Dozer.	The newer versions of the simulators are much more realistic and are self contained. This could also be used for recruiting events.	\$40,000
1	48' Dry Van Semi Trailer	Commercial Driver's License (CDL)	Replacement of our 48' Dry Van Backing Trailer will allow for the students to perform all of the required skills with newer equipment.	Newer equipment will make our program more up to date and will also allow us to retire worn out rusting equipment.	\$10,000

1	Paint Simulator	Auto Collision	Students need to see visual defects including dry spray, orange peel drips/sags	Simulator allows the student to view travel speed, angle and distance prior to "live" spraying in a booth. This training resolves student concerns. Eliminates paint re-do saving money.	\$25,000
1	Instructor tools set	Automotive Service	Students are using the instructors personal tools in the Lab so that they can complete their assignments.	The instructors should not have to bring their personal tools in for the students to use.	\$30,000
1	Patty Machine 601b	Meat Services	Current machine needs numerous cost repairs and is 20+ years out of date	Students need experience on more up-to-date equipment to meet industry needs.	\$12,050
1	CNC 5 Axis Machining Trunnion and Vf2 axis drives	Machining Technology	Being able to offer 5 axis training will increase growth in our department because of the higher level skill set that we would be able to offer to current students and those in industry that desire further training with 5 axis capable equipment. In a regular shop environment 5 axis training is reserved for the few people who are at the top of their skill set. There are many more individuals that are interested in learning more and becoming more skilled that do not get the chance to learn on the equipment at work because those positions are already filled by someone else.	Machines with 4-axis or 5-axis capacities create more complex geometries faster as well as cheaper than a standard 3-axis milling machine. These machines provide vast improvements in efficiency by reducing set-up times, cycle times, tool wear, and increasing capability. When it comes to 5-axis machining, many of the parts can be made using many separate operations, setups, and tool changes on a 3-axis milling machine, especially with complex parts. Conversely, with 4-axis and 5-axis capabilities, the same parts can be made in a single setup, thus significantly reducing required fixturing and setup time, increasing capacity, and ultimately making more money for the company. Currently, BATC has no equipment to provide training on 5-axis machining setups and operations. Instructors can only discuss the complicated theory involved in the operation of a 5-axis machine, without being able to demonstrate it in the shop	\$32,000
1	New Welding robot, Miller	Welding Technology	Our old robot is 28 years old. We need update our technology and offer a robotics welding program that meets industry standards.	Our Trak torches are the most used pieces of equipment we have in the shop. Every students has to cut their welding coupons and certification plates on theses machines. There is always 2-6 people waiting in line to cut metal. If we do not improve and replace these cutting machines students have an enormous amount of down time waiting to process their projects.	\$75,000
1	IVC Equipment	Administration	Efficiently connect via IVC saving time and costs in travel. Update outdated equipment.	Outdated equipment is inefficient and costly.	\$15,000
1	Cameras for Security System	Information Systems Dept.	Some of the cameras at main campus are not functioning. We need to replace them for the safety and security of students, employees, and equipment.	Some of the cameras at main campus are not functioning. We need to replace them for the safety and security of students, employees, and equipment.	\$4,000
1	Manlift 80' for Maintenance	Maintenance	Enable access to maintain lighting, security cameras and building.	Currently we have to utilize a high lift forklift to maintain the lighting in the parking lot and other areas that are not accessible via ladders. This would allow one person to perform the work.	\$120,000
1	Large area vacuum (1)	Custodial	The large area vacuum we have now has been repaired multiple times. It is not worth putting more money into repair costs. It needs replaced to be able to efficiently clean the large spaces in the building(s).	If we do not replace the large vacuum, this will cost more man hours to do the cleaning with smaller vacuums. It is not efficient to clean this way.	\$2,500
2	2 Tuttnauer 9000 Water Distillers at \$	Dental Assisting	Our new instrument sterilization units require distilled water. It would be cheaper in the long run to buy a distiller instead of buying gallons of distilled water from the store. We use about 20 gallons a week. Logan needs one and Brigham.	It would put a strain on our supplies budget if we had to purchase 20 gallons of distilled water a week.	\$1,500
2	Model Trimmer and 3 new wheels	Dental Assisting	2 out of the 4 trimmers we have now are broken. We usually have all 4 trimmers going.	Students will not have to wait for a trimmer to be available.	\$1,000

2	Cerec Mill	Dental Assisting	State of the art equipment. Dental offices want assistants trained on this machine.	Update our curriculum. This is the new way of doing things in a dental office. Our students are leaving the program not knowing how to use this piece of equipment or how to assist in this procedure.	\$170,000
2	Hospital Beds (8)	Nursing/Health Sciences Dept.	This would allow student to use proper body mechanics. Inability to move bed height leads to back strain and injury. This is a potential safety concern. However, this purchase will not increase student volumes.	Provide functional and current equipment used in industry. Students ill prepared using broken equipment; inability to utilize body mechanics due to inoperable equipment mechanisms	\$32,000
2	Lighting for Vision Course	Automated Manufacturing	Requested by advisory committee. This module is lacking in our Vision course. Would allow us to do improved industry workshops in Camera Vision.	Industry students attending class have asked for more coverage on lighting methods. The instructor would like to demonstrate with hands-on training.	\$10,000
2	Manicure tables with vents	Cosmetology/Barbering	DOPL recently added criteria for nail tech tables to have proper ventilation - each table should have it's own vent to draw in dust and fumes	student and customer allergies or reactions to dust and fumes	\$2,100.00
2	Auto extrication equipment	Fire and Rescue Services	In 2017 we were able to acquire through donations most of the extrication equipment we need. However the pump needs to be replaced with one that can run multiple tools at once. This purchase would be for finding a used pump.	Always have to borrow this equipment to teach required state certification skills. Fire departments are getting tired of letting us borrow this equipment, getting harder to borrow.	\$2,500
2	Altendorf Sliding Table Saw	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today.	To upgrade our shop and teach current skills and techniques for industry and provide added safety. Current table saws are so obsolete that parts are not available. Of course safety concerns are always a negative impact when the right machine is not in place.	\$30,000
2	Straight line rip saw	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today.	To upgrade obsolete and outdated equipment.	\$9,000
2	Misc Tools for Plumbing Lab	Apprenticeship	Equipment and Tools are old and outdated and need to be like the current style and technology	Upgraded Equipment simulations and tools will allow for a better lab/learning experience.	\$4,000
2	Skid loader	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today and provide for a safer work environment	To grade, backfill, and move materials the jobsite. so students can build instead of move material.	\$20,000
2	Spectrum Analyzers(2)	Electronic Engineering Technology	Allows us to teach a better communication circuits class and have the training requested by industry. Again, We will retain more students when it all works. New labs are appealing to prospective students, companies recommend our program to potential employees when they know we are using the latest equipment that is used in industry. It also opens up possibilities for more advanced training and industry workshops.	A spectrum analyzer will help us beef up our labs for our AC fundamentals course, as it can test more frequencies than an oscilloscope can. We are not able to teach all that is required by industry in the communication circuits area. We are missing this needed training equipment in our program.	\$20,000
2	Motor Grader Simulator	Heavy Equipment Operator	An additional simulator would allow more students to participate in the simulation exercises without having to have the actual Motor Grader.	The newer versions of the simulators are much more realistic and are self contained. This could also be used for recruiting events.	\$40,000
2	Day Cab Semi Tractor	Commercial Driver's License (CDL)	Replacement of our current day cab backing tractor will allow for the students to perform all of the required skills with newer equipment.	Newer equipment will make our program more up to date and will also allow us to retire worn out rusting equipment.	\$20,000
2	Update to 2018 Chief Velocity Measur	Auto Collision	Majority of students want to enroll in classes which will provide training on current or state-of-the-art equipment.	Cannot train and provide what industry employers need for up-to-date technology. Require update to mfg year 2018	\$3,000
2	Snap On Vantage Ultra	Automotive Service	This will enable to the students to be able to complete more of the Engine Performance curriculum independently.	Our current test platform is no longer supported by the manufacturer.	\$1,398
2	Large format printer/scanner	Drafting/Media Design	Students expect equipment and software to match current industry standards, and view a program with sub-par or old equipment as unprofessional and lacking. Brigham campus Drafting and Media Design currently have no means to teach large format scanning, and are using outdated equipment to teach large format printing.	Current equipment from the Logan Drafting and Media Design department would be transferred to Brigham giving them large format scanning capabilities. This would also update their large format plotting technology by decades. Logan would receive the new large format plotter/scanner providing educational experiences and instruction using the newest technology available.	\$12,000

2	Smokehouse	Meat Services	Having this smokehouse will allow students exposure to a broader selection of meats, such as salami, bologna, etc. In addition, this will provide for expanded production of hams and turkeys to meet the demand.	Having this smokehouse will allow students exposure to a broader selection of meats, such as salami, bologna, etc. In addition, this will provide for expanded production of hams and turkeys to meet the demand.	\$49,100
2	High speed machining toolpath capability on new VF2 machines	Machining Technology	Will allow us to more closely teach toolpathing strategies that are used in industry	Without being able to teach this type of toolpathing our students are not as prepared to understand the capabilities of most modern machining toolpaths, being used in our local businesses. High speed machining toolpaths are the bread and butter of everyday machining operations.	\$6,000
2	Welding robot --Used	Welding Technology	80% of all welding done nationwide uses the GMAW process. Once again, the average age of our GMAW machines is older than the average age of our students! Our students deserve to be trained on new, modern, up-to-date technology! Give them the opportunity to be trained on the equipment industry uses. If we do not improve our welding shop equipment we will continue to fall behind on modern new and up-to-date welding technology.	80% of all welding done nationwide uses the GMAW process. Once again, the average age of our GMAW machines is older than the average age of our students! Our students deserve to be trained on new, modern, up-to-date technology! Give them the opportunity to be trained on the equipment industry uses. If we do not improve our welding shop equipment we will continue to fall behind on modern new and up-to-date welding technology.	\$40,000
2	High Capacity Data Storage(NAS)	Information Systems Dept.	We keep generating more data (videos, curriculum, documents, etc.) everyday. We need a reliable and secure place to put all these files. A NAS would allow us to increase the size of G: drives and other network drives.	We keep generating more data (videos, curriculum, documents, etc.) everyday. We need a reliable and secure place to put all these files. A NAS would allow us to increase the size of G: drives and other network drives.	\$50,000
2	Carpet Extractor (Armada walk forwa	Custodial	We have one at the main building and has worked great. This piece of equipment is transferred from campus to campus and is very heavy. It cannot be lifted and has to be walked over from building to building. Having one at the west campus would highly benefit the institution.	We have one at the main building and has worked great. This piece of equipment is transferred from campus to campus and is very heavy. It cannot be lifted and has to be walked over from building to building. Having one at the west campus would highly benefit the institution.	\$4,000
3	3 Xray Units at \$4800.00 each	Dental Assisting	3 of our current x-ray units are broken. The students are having to wait to use the working ones. We have an operator for them to use to see a patient, but they can't take x-rays because the machine is faulty.	Equipment has been repaired over and over again. The students will not have to wait to be in the lab.	\$14,400
3	CBCT Machine	Dental Assisting	It's the new and exciting thing in dentistry. It would excite and motivate current high school students to continue as an adult student. Dentists and staff would also need training and potentially come to Bridgerland for that training.	This is a 3D imaging machine that would benefit the students and the community. The dental community has expressed support in sending their patients to our lab to get the scan done, which also would give our students valuable practice and experience using the machine. Our students will not be trained for employment properly.	\$90,000
3	Single phase 120 volt and DC Motor, Drives, and Conveyor Trainers (2)	Automated Manufacturing	This is needed in both Logan and Brigham City Campus to bring our training up-to-date in our current Motors and Drives course. Will add a necessary hands-on component to the curriculum as requested by our advisory committee. Will give another possible industry workshop.	We are not able to offer company requested workshops on this specific topic. Our curriculum is lacking this needed component to better train our entry level technicians in our Automated Mfg certificate.	\$10,000
3	Pedicure Chairs /thrones	Cosmetology/Barbering	More students can do pedicures at the same time, customers will be served on updated and safer equipment	Less students doing services, less customers, old or unsafe equipment	\$7,000.00
3	Shipping containers	Fire and Rescue Services	We currently have 4 and need to purchase 2 more to finish our project. The price for these containers continues to go up each month and have gotten to the point that they are beyond what we can afford with our supply budget. When are students are broken up into groups of 4 this allows one group to utilize this facility with skills we would normally have to do at the fire training facility by the landfill.	We now do not have to load up equipment and students to do certain skills at the training facility by the landfill. A fair amount of class time was spent loading the equipment needed, traveling down, setting up, loading everything back up, and putting it away when we returned. With this prop being in our immediate area it's easy to use, and we don't have any other fire departments getting upset with us for what we do or don't do at the Logan/County training facility.	\$12,000
3	16" jointer	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today and provide for a safer work environment (Current equipment being used is one breakdown obsolete)	To upgrade obsolete and outdated equipment.	\$8,000

3	Scaffolding/ guard rail system	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today and provide for a safer work environment	To provide fall protection for students as per OSHA requirements	\$7,000
3	Printed Circuit Board Laser Router	Electronic Engineering Technology	Will allow us to do capstone projects where an electronics student could design a circuit, make the PCB, assemble and solder the components, troubleshoot if needed, and use it to do something awesome! This is also a great recruiting tool as students come to check out the program to show how a board is made from start to finish. Also great to do prototype projects for students and companies alike who are sponsoring a students capstone project. We could add new classes and modules to the program with design and build of circuit boards. We also need it to make boards for our soldering certification courses. We could make all our training boards for the IPC soldering certification courses. This is a big draw to get and keep students excitement thru out the program. We used to make our PCBs with chemicals that were very dangerous and hazardous waste. Our equipment has since broken down beyond repair and it is not safe anymore to use chemicals. This router is safe without any toxic chemicals. Safer for students and teaches cnc principles. Lasers are the latest technology and run much faster.	We presently rely on advisory board members to give us printed circuit boards for soldering practice. It is getting harder to get old boards from them, especially those with the older through-hole technology. It would be beneficial if we had a PCB router - we could solve this problem, and more importantly teach our students how to make PCBs. We are not able to currently make student boards needed for capstone and prototype projects. This limits the hands on component we need to teach. It limits our appeal to future students as well and hurts recruitment into the program. It limits the number of qualified graduates for the high demand from potential employers. This system uses the latest technology with laser systems.	\$125,000
3	Dump Truck	Heavy Equipment Operator	Dump Trucks are part of the curriculum and are needed to maintain the current student numbers that we have.	Our dump trucks are getting very old and need to be replaced. They are used by maintenance also for plowing snow.	\$25,000
3	New chairs for classroom	Commercial Driver's License (CDL)	Replacement of old non matching chairs will make for a better atmosphere	Chairs that are more ergonomic and comfortable will make students happier.	\$1,500
3	Paint Booth	Auto Collision	Majority of students want to enroll in classes which will provide training on current or state-of-the-art equipment.	Cannot train and provide what industry employers need for up-to-date technology. Effective, efficient, and better environmentally.	\$100,000
3	Evaporative Emission Diagnostic machine	Automotive Service	Students need to be able to quickly and efficiently diagnose emission test failures. This training is fundamental for them to be able to be licensed to do emission testing and the follow up repairs. With the implementation of mandatory testing is Cache County for vehicle registrations this had become an entry level skill.	This tool is necessary for diagnosing emission test failures.	\$1,734
3	Laser cutter	Drafting/Media Design	There is a need to keep up with modern technology related to CAD design. 3D printers and laser cutters are industry standards for creating prototypes and testing designs.	There is a need to keep up with modern technology related to CAD design. 3D printers and laser cutters are industry standards for creating prototypes and testing designs.	\$8,000
3	Welding Simulators (x2)	Welding Technology	80% of all welding done nationwide uses the GMAW process. Once again, the average age of our GMAW machines is older than the average age of our students! Our students deserve to be trained on new, modern, up-to-date technology! Give them the opportunity to be trained on the equipment industry uses. If we do not improve our welding shop equipment we will continue to fall behind on modern new and up-to-date welding technology.	80% of all welding done nationwide uses the GMAW process. Once again, the average age of our GMAW machines is older than the average age of our students! Our students deserve to be trained on new, modern, up-to-date technology! Give them the opportunity to be trained on the equipment industry uses. If we do not improve our welding shop equipment we will continue to fall behind on modern new and up-to-date welding technology.	\$40,000
3	High-Speed Burnishers (2)	Custodial	This is being requested because it is worn out and needs replaced. This will help the department be more effective in keeping the building clean. The aging equipment has been repaired over and over again. The burnishers we have now were originally purchased about 25 years ago and are transported from building to building.	We have no other way to polish the floor without a burnisher, so the floors will age and look worn over time. We would need to re wax more often if we don't get one, which takes a lot more time and man hours.	\$5,000
4	Valo Curing lights (2)	Dental Assisting	These lights cure faster than our current lights.	Same equipment being used currently in dental offices.	\$2,000

4	Fanuc Delta/Spider Robot with Line Tracking and vision.	Automated Manufacturing	Purchasing these will give us a whole new series of workshops to offer to industry and increase enrollment. It adds to the engagement of our students in the controls engineering and robotics advanced courses. We really need it to eliminate the bottleneck we have with capstone projects. Currently we cannot run industry workshops during capstone season. This will eliminate that bottleneck and bring more students to completion more quickly.	Delta robots with line tracking software are currently used at companies like Pepperidge Farm, Schreiber Foods, and others. Line tracking software is used to identify parts as they come down a conveyor and anticipates the position of parts further down the line where they will be picked up by the robot. We need robots that we can use for capstone projects that will not interfere with other robot classes, and these are the least expensive.	\$35,000
4	Vichy Shower Replacement	Master Esthetics	Keep equipment working and usable for training and customer services. Replace old or broken system	Being able to offer a spa service increases revenue and student learning of specific equipment found in spas.	\$6,000.00
4	Grizley table saw	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today(Current equipment being used is one breakdown obsolete)	To upgrade obsolete and outdated equipment.	\$6,000
4	Flexvolt tool upgrade	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today and provide for a safer work environment	Upgrade tool inventory to include tools being used on todays industry.	\$4,000
4	New chairs for classroom	Heavy Equipment Operator	Replacement of old non matching chairs will make for a better atmosphere	Chairs that are more ergonomic and comfortable will make students happier.	\$2,000
4	Plasma cutting system	Automotive Service	Students that have not had any training on using an Oxy/Acetylene torch would still be able to complete repairs with this tool.	Much safer than using an Oxy/Acetylene torch for cutting.	\$1,600
4	Buffers (2)	Custodial	This is being requested because it is worn out and needs replaced. This will help the department be more effective in keeping the building clean. The aging equipment has been repaired over and over again. The buffers we have now were originally purchased about 40 years ago and are transported from building to building.	The old buffers are very old and they are very heavy for the employees to be transporting.	\$2,800
4	Heavy-duty Platform Trucks (4)	Custodial	All of the equipment that is being requested is worn out and needs replaced. This will help the department be more effective in keeping the building clean. The aging equipment has been repaired over and over again.	All of the equipment that is being requested is worn out and needs replaced. This will help the department be more effective in keeping the building clean. The aging equipment has been repaired over and over again.	\$2,400
5	Air Compressor (from email)	Dental Assisting	Current compressor is very old. Need it to run equipment in the lab.	Current compressor is very old. We cannot run any hand pieces and other equipment without it. Students would not be able to work in the lab.	\$8,000
5	Vacuum Pump (from email)	Dental Assisting	Current Vacuum Pump is very old. Students cannot progress through the curriculum without it.	Current Vacuum Pump is very old. Cannot run the suction without it.	\$5,000
5	MH2 Education training Cart for Fanuc Delta/Spider Robot with Line Tracking and vision.	Automated Manufacturing	Purchasing these will give us a whole new series of workshops to offer to industry and increase enrollment. It adds to the engagement of our students in the controls engineering and robotics advanced courses. We really need it to eliminate the bottleneck we have with capstone projects. Currently we cannot run industry workshops during capstone season. This will eliminate that bottleneck and bring more students to completion more quickly.	Delta robots with line tracking software are currently used at companies like Pepperidge Farm, Schreiber Foods, and others. Line tracking software is used to identify parts as they come down a conveyor and anticipates the position of parts further down the line where they will be picked up by the robot. We need robots that we can use for capstone projects that will not interfere with other robot classes, and these are the least expensive.	\$7,000
5	Facial Machines w/steam	Master Esthetics	Facial machines to use during practical lab for experience using different modalities during a basic esthetics treatment at cos.	Without additional, we have to take machines out of the esthetics treatment rooms, then esthetics students have none to use.	\$1,800.00
5	Tiger stop	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today	To upgrade our shop and teach current skills and techniques for industry.	\$6,000
5	Plate compactor	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today and provide for a safer work environment	Upgrade tool inventory to include tools being used on todays industry.	\$2,000
5	Shop Exhaust hoses	Automotive Service	More students would be able to work in the shop at the same time.	This will replace worn out, non functional hoses. These are used for extracting car exhaust when cars are running in the lab.	\$1,500

6	Conveyor and Software for Fanuc/Spider Robot with Line Tracking and vision.	Automated Manufacturing	Purchasing these will give us a whole new series of workshops to offer to industry and increase enrollment. It adds to the engagement of our students in the controls engineering and robotics advanced courses. We really need it to eliminate the bottleneck we have with capstone projects. Currently we cannot run industry workshops during capstone season. This will eliminate that bottleneck and bring more students to completion more quickly.	Delta robots with line tracking software are currently used at companies like Pepperidge Farm, Schreiber Foods, and others. Line tracking software is used to identify parts as they come down a conveyor and anticipates the position of parts further down the line where they will be picked up by the robot. We need robots that we can use for capstone projects that will not interfere with other robot classes, and these are the least expensive.	\$13,000
6	Synergy Machine Parts/Repair	Master Esthetics	Keep equipment working and usable for training and customer services	Being able to offer a spa service increases revenue and student learning of specific equipment found in spas.	\$500.00
6	51" double head sander	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today	To upgrade obsolete and outdated equipment.	\$25,000
6	Cement forms	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today and provide for a safer work environment.	Upgrade tool inventory to include tools being used on todays industry.	\$2,000
6	Verus Edge Workstation	Automotive Service	This equipment will allow students to progress to an advanced diagnostic skill level in a shorter amount time with less one-on- one from the instructor. Students that are skilled with this type of equipment are highly sought after by employers.	Our current equipment does not allow us to deal with the increasing complexity of the modern automobile.	\$12,155
7	Bearing lab trainer(2)	Automated Manufacturing	Students need more hands on training for competency in this area as requested by advisory committee. Will allow us to do more workshops in maintenance training for industry also. Good for maintenance refresher courses.	Bearings and bearing maintenance are a critical skill for any student hoping to go into manufacturing. Students currently study bearing and do bookwork assignments in our Industrial Mechanics course, however they do not actually do anything with them. Hands on training is required in this area for students to become proficient.	\$15,000
7	Towel Cabbies for facials and pedicure	Cosmetology/Barbering, Master Esthetics	Students may practice giving facials and pedicures with wet steam towels as done at state board and in salons	If there are no towel cabbies, students must walk to the dispense to rinse towels or keep a bowl of water near by. Not efficient nor the way it would be in a salon or spa.	\$600.00
7	8" jointer	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today(Current equipment being used is one breakdown obsolete)	To upgrade obsolete and outdated equipment.	\$3,000
7	Power screed	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today and provide for a safer work environment.	Upgrade tool inventory to include tools being used on todays industry.	\$2,500
8	Pumps trainers(2)	Automated Manufacturing	Needed for both Logan and BCC. Missing component in our Industrial Mechanics course. Our old system broke and cannot be repaired. This will become more important as we expand to offer more courses for a new area of Ag Tech. We have a pool of 1000 possible new students to enter this area of study.	Not able to complete all modules for the Industrial Mechanics course. Limits our ability to attract more students into the Ag Tech area of study.	\$10,000
8	Conference Room table & chairs	Cosmetology/Barbering, Master Esthetics	This will be used in the cos. conference room for meetings, classes and student orientation	We would use a class or an office or use a meeting area in the main building.	\$1,500.00
8	Shaper cutters	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today	To upgrade our shop and teach current skills and techniques for industry.	\$3,000
8	Power Trowel	Building Technology	This will allow instructors to teach on current technology/ equipment that is being used in industry today and provide for a safer work environment.	Upgrade tool inventory to include tools being used on todays industry.	\$2,800
9	Small Engine repair trainers	Automated Manufacturing	Would allow us to align new courses for an Ag Tech area of study. Potential pool of 1000 new students in this area of study in area high schools.	Limits our ability to attract new students in new Ag Tech area of study.	\$10,000
9	Reception area furniture & wall letter	Cosmetology/Barbering	The area "of first impression" would have furniture in a seating area for visitors, tour groups, potential students and sales reps.	It will just look sort of stark and bare without furniture in this area.	\$5,000.00

