

Bakersfield College Annual Program Review:

Technology Assessment 2014-2015

Administrative Office Assistant/Office Assistant:

1. Has your program received new or repurposed technology in this cycle?

No

b. If no, how will your new or repurposed technology request contribute to student success?

Again, we answered no and do not plan to make any technology requests in this next cycle. Equipment was recently updated prior to this cycle and we hope that we will continue to be on the rotation for the IT department's system for upgrading instructional labs. We'd also like to indicate that this specific question does not make sense based on the NO answer. We suggest rewording or eliminating the question.

2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

No

Agriculture Business:

1. Has your program received new or repurposed technology in this 3-year cycle?
 - a. If yes, discuss the assessment of its effectiveness as it relates to student, program, or administrative outcomes.
 - i. The entire agriculture building was renovated the summer of 2014. From a technological point of view, this translated to the installation of "smart boards." Unfortunately professional development has not been available to maximize the potential of the technology.
 - b. If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the effectiveness of this technology?
2. Discuss the effectiveness of technology used in your area to meet [college strategic goals](#).
 - a. The majority of computer technology that has been used in Agricultural Business Management has been computer based. Most classes engage students using the "Moodle" to facilitate interaction. To this end, the Moodle software program seems to be adequate, however the learning curve for educators is significant. Structured professional develop could be quite valuable. But other than network speed inconsistencies, the presentation hardware and software certainly gets the job done.
3. Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle.

- a. The Agricultural Business Management program could certainly use some additional computer technology. Having departmental portable laptop access would allow the students to expand their educational experience. For example, having computers available to during the marketing exercise (buying and selling faux commodities) would provide better instructional access to the information and a significantly higher mastery of the subject matter.
- b. Since several of our courses are taught in a “dual enrollment” environment, our colleagues are spread across several campuses many of which are not in the district. Providing support for the PACA grant has staff at McFarland High School, Paramount Academy and Wasco High School. At this juncture in time, there is not a method in place to access the district’s servers (i.e. the “R Drive”) away from the main campuses of KCCD. And we need one!

Animal Science:

1. Has your program received new or repurposed technology in this 3-year cycle?
 - a. If yes, discuss the assessment of its effectiveness as it relates to student, program, or administrative outcomes. **The Ag Building has been equipped this year with smart boards and new projectors> I feel that this new technology will help our instructors engage the students in a more successful way.**
 - b. If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the effectiveness of this technology?
2. Discuss the effectiveness of technology used in your area to meet [college strategic goals](#). **Will enhance student learning by developing and empowering learning through curiosity.**
3. Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle. No response

Anthropology: No Assessment

Architecture/Architectural Drafting:

1. Has your program received new or repurposed technology in this 3-year cycle?
 - a. If yes, discuss the assessment of its effectiveness as it relates to student, program, or administrative outcomes.

We have received two new 3D printers and a new laser cutter that have revolutionized our programs and student involvement. Students are using these technologies in their assignments across the board in our classes and their major classes. However, because

of the increased demand on our present labs we are short a computer lab. This need could be met economically by installing computers in MS-12 allowing us to offer additional technologically based courses.

- c. If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the effectiveness of this technology?
4. Discuss the effectiveness of technology used in your area to meet [college strategic goals](#). Our program has a unit in place where academic advisors speak to our students about the matriculation process, financial aid and student services. Our use of technology in all our classes makes it possible for our students to be successful and competitive in our field.
5. Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle. Yes, we need new technology and will fill out all required ISIT forms.

ASL:

- a. How do you assess the effectiveness of technology used in your program in meeting [college strategic goals](#)?
In short, communication and infrastructure are NOT integrated in a way that allows for student success. In our case, the manner in which we communicate and the infrastructure with which we must work often prevents communication. ASL is a visual language. As such, instruction is delivered visually and student responses and conversations are also visual. The environment in which we teach and the equipment that we've inherited don't serve the needs of our visual instruction. We now are housed in two medium-sized rooms, LA115 and LA113. It is not possible to seat 30 students in a way in which everyone has simultaneous line-of-sight communication. Simply put, our caps need to be decreased slightly, or we need to be moved to larger rooms. In addition, cart mounted computers and projector further hinder visual communication by blocking line-of-sight communication. We need wall-mounted projectors in both of the classrooms we need call home. This is why it is imperative that BC formalizes a policy of "home rooms" for each department. In that way departments can invest in equipment, materials, and furniture arrangement that works for their individual disciplines.
- b. Justify your technology request.
(NOTE: Technology requests can be made by filling out the [ISIT Request form](#))
By having a fixed computer work station and a wall-mounted projector in each of our classrooms, teachers will save time in setting up and tearing down before and after each class

meeting. Instruction will be simultaneously accessible to all students, and we will communicate freely in furtherance of student success.

- c. How do you assess the effectiveness of the facilities used by your program in meeting [college strategic goals](#)?

Up until recent changes that allowed us two rooms, more than half of our classes have been held in itinerant classrooms that changed from semester to semester, available when other departments didn't want to teach. This has led to gross inefficiency, lost time, poor learning environments, and unsafe conditions (such as tripping over clustered desks). We have been ineffective because our facilities have prevented efficient and effective communication.

Biology: No Assessment

BMIT (Accounting/Bookkeeping):

1. **Has your program received new or repurposed technology in this 3-year cycle?**

- a. **If yes, discuss the assessment of its effectiveness as it relates to student, program, or administrative outcomes.**

The number of computer stations in the labs was increased significantly, and some of the workstations lack a sight line to the instruction screens in the front of the room. Since these changes were made in the Fall of 2013, the drop rate for courses held in the remodeled labs has increased. The students' workspace is so small that many students have expressed discomfort. Examples include: "I feel like I've been stuffed in an airplane." It is impossible to help most students by standing next to them because there is literally no room. In some sections, the withdrawal rate has nearly doubled.

While we were "guaranteed" by the administration that increasing the number of workstations in the computer labs would not require the department to increase the number of students allowed in the labs for each course, the constant requests to "just add a few" that are made by the administration seems to contradict this guarantee. While we have not been "forced" to increase the max seats, the unstated pressure to do this still exists.

- b. **If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the effectiveness of this technology?**

2. **Discuss the effectiveness of technology used in your area to meet college strategic goals.**

Goal One: Student Success

Become an exemplary model of student success by developing and implementing best practices.

Students earning these awards learn to use computers to process accounting information in order to obtain employment in the field.

3. **Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle.**

None needed at this time for the AA and COA addressed in this review, but we hope to maintain a position on the regular instructional lab rotation schedule.

Business Administration:

C. Technology (Technology requests can be made by filling out the [ISIT Request form](#).)

1. Has your program received new or repurposed technology in this cycle?

Yes. A year ago we received updated projectors and sound systems in some of the classrooms as part of the Business Education building upgrades. Our B-11 and B-2 computer labs were upgraded with new computers. Several faculty members who teach in this program also received new computers to replace machines that were at least ten years old.

a. If yes, how has this technology contributed to student success?

The program is too new, but we can surmise that having current models of computers and other technology will allow the program to use current versions of software and this will improve student success. The faculty members who received new machines can now keep up with the demands placed on them when tutoring students.

b. If no, how will your new or repurposed technology request contribute to student success?

Does not apply and makes no sense based on the previous answer.

2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

Not this coming year. We do, however, need for the boot times and network speeds to improve to a point that students know they don't need to come in ten minutes early to prepare their machines for the start of class. Department faculty have made this request for years and we have seen no improvement to date. We also hope to maintain a position on the regular instructional lab replacement rotation schedule.

Chemistry:

1. Has your program received new or repurposed technology in this cycle?

a. If yes, how has this technology contributed to student success?

• This is a yes and no answer. We are awaiting the installation of new AV equipment which was scheduled last year as part of the renovation project.

Additionally, other labs were slated to have new AV equipment also installed, but that has not yet happened.

b. If no, how will your new or repurposed technology request contribute to student success?

2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

• Virtually all of our needs have been managed through our STEM grant. New requests are defined and carefully justified for all of those purchases. The active ones we have at this time involve instrumentation and computational resources which modernize and significantly enhance our environment. These are opening up learning opportunities for our students, including new capstone experiences.

Child Development & Family Relations: No Assessment

Communication:

1. Has your program received new or repurposed technology in this 3-year cycle?
NO. Our dedicated classrooms need to have technology for both instruction and student presentations. Although our department has appropriately outfitted the classrooms in the Fine Arts building, classrooms in other buildings need to be properly outfitted for the needs of our courses.
 - a. If yes, discuss the assessment of its effectiveness as it relates to student, program, or administrative outcomes.
 - b. If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the effectiveness of this technology?
2. Discuss the effectiveness of technology used in your area to meet [college strategic goals](#). With the addition of more designated classrooms, we are requesting TV monitors and computers to be installed in LA 114, LA 109, and LA 110. (See ISIT form) We are also proposing the creation of a Communication lab that will serve all Bakersfield College students. (See appendix at the end of this report)
3. Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle.

Computer Science:

C. Technology (Technology requests can be made by filling out the [ISIT Request form](#).)

1. Has your program received new or repurposed technology in this cycle?

Yes. A year ago we received updated projectors and sound systems in some of the classrooms as part of the Business Education building upgrades. Our B-11 and B-2 computer labs were upgraded with new computers. The one faculty member who teaches in this program also received a new computer.

a. If yes, how has this technology contributed to student success?

The program is too new, but we can surmise that having current models of computers and other technology will allow the program to use current versions of software and this will improve student success. The faculty member who received the new machine can now keep up with the demands placed on him when tutoring students.

b. If no, how will your new or repurposed technology request contribute to student success?

Does not apply and makes no sense based on the previous answer.

Correctional Administration: No Assessment

Criminal Justice:

1. Has your program received new or repurposed technology in this cycle? No.
 - a. If yes, how has this technology contributed to student success?
 - b. If no, how will your new or repurposed technology request contribute to student success?Criminal Justice has requested a fix to the office computer in LA 108 and the COW unit computer in LA 203.
2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? No.

Delano Campus:

1. Has your program received new or repurposed technology in this cycle? Yes
 - a. If yes, how has this technology contributed to student success? Upgraded classrooms with projectors that allowed instructors to be more effective.
 - b. If no, how will your new or repurposed technology request contribute to student success?

Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request. No response

Electronics:

2. Has your program received new or repurposed technology in this cycle?

Yes – we received 12 new laptop computers and cart for one of our labs through the STEM grant. We also received an upgrade to our wi-fi system in our labs. We have other computer equipment that is older, however.

- a. If yes, how has this technology contributed to student success?

Students use the computers to interface to lab equipment in several of our courses. Computer-based instruction is utilized in this equipment platform. In addition, students use the computers for simulation software and to access the Internet for in-class assignments and the resources on Moodle.

3. If no, how will your new or repurposed technology request contribute to student success? Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

Computers and Technology: We still have needs for computer upgrades and additional laptops for our lab. The computers in our CIM lab have not been upgraded in years. The software used for PLC programming and the CIM cell has been problematic at times because of the age of the computers. In addition, we only have one printer that is shared between three labs. This printer is at least five years old, and its mate has already broken down.

The equipment needs are for several reasons. First, in expanding to Delano, we need to equip the facility with a standard stock of equipment. We also have equipment that is wearing out due to consistent use. This equipment cannot be purchased from VTEA funds because this is considered “supplanting” the College budget, and that is not allowed. The final reason is that for our Radio and Telecommunications courses, we were able to borrow the more extensive test equipment from the employer of the adjunct faculty member teaching those courses. Last year, we hired him as a full-time faculty member. Since he is not employed by that company any more, they are not willing to loan the equipment. Requests to other local employers have been declined, since those local companies do not have spare equipment that is not used regularly by their employees.

EMS:

4. Has your program received new or repurposed technology in this 3-year cycle?
 - a. If yes, discuss the assessment of its effectiveness as it relates to student, program, or administrative outcomes.
 - One of our designated EMS classrooms, LA 222, did receive a short throw projector and document camera. These allow students to have a more dynamic and interactive classroom. They allow instructors to play videos, show PowerPoints, and show notes and written materials to the entire classroom. Students can also use the projector and document camera for their own oral presentations. Case studies have shown that the projector and document camera provide increased retention and comprehension, and we have found this to be the case in LA 222.
 - b. If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the effectiveness of this technology?
5. Discuss the effectiveness of technology used in your area to meet [college strategic goals](#).
 - In addition to using projectors and document cameras, we also have a multi-department computer lab. All of this technology meets Goal One: Student Success – Become an exemplary model of student success by developing and implementing best practices. Specifically it meets goal 1.7.1 Active and Collaborative Learning as well as 1.7.5 Support for Learners.
6. Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle.
 - Because of the success of the projector and document camera in LA 222, we have requested the same in LA 204 and LA 219. The classroom projector and document camera allow students to have a more dynamic and interactive classroom. They allow instructors to play videos, show PowerPoints, and show

notes and written materials to the entire classroom. Students are also able to use this technology for their own oral presentations. Case studies have shown that the projector and document camera provide increased retention and comprehension.

- We have also requested more computers –in the form of a new computer lab – for the Delano campus. The Delano campus needs more computers for use by students to complete their assignments and use for printing their work. These computers should be in a dedicated lab area which is only used by students for work outside of class.

Engineering:

1. Has your program received new or repurposed technology in this cycle? No.
 - a. If yes, how has this technology contributed to student success?
 - b. If no, how will your new or repurposed technology request contribute to student success?
2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

The computers in the CAD labs, MS-9 and 10, need replacement. These labs are shared by the Industrial Drawing program, the Architecture program, and the Engineering program. The Engineering program makes specific use of MS-9 for several classes (ENGR B19C, B24, B47), although Engineering students take Industrial Drawing and Architecture courses held in MS-9 and 10. The engineering graphics course (ENGR B24) is required for transfer students and provides students with hands-on experience in the use of CAD software to solve engineering design problems and in the preparation of engineering drawings. The industry-standard design software utilized by each of these programs is updated annually and requires computers with increased processor speed and memory. Because of the heavy use of MS-9 by the engineering program the STEM program manager has approved funds for that portion of the computer purchase from the STEM grant and the CSUB collaborative grant.

Engineering Technology: No Assessment

English:

7. Has your program received new or repurposed technology in this 3-year cycle?
 - a. If yes, discuss the assessment of its effectiveness as it relates to student, program, or administrative outcomes.
 - Most of the classrooms that the English department regularly uses have been equipped with short-throw projectors; these projectors have been helpful in remedying the non-ergonomic placement of computers and monitors in the Humanities classrooms. The short-throw projectors enable professors to project samples of student writing, excerpts with common errors, and examples of effective writing. The use of projection helps to keep students engaged, which increases student retention and success.

- Humanities Building Rooms 2 and 7 have not been equipped with updated technology. Most of the computer cabinets in the Humanities Building classroom are insufficiently ventilated.
 - The computer in the English adjunct office is outdated and insufficient for the needs of 31 adjuncts.
 - Some instructors have received new or newer computers in their offices, which helps them prepare materials that promote student success, including the use of Moodle. More new or newer computers would be most welcome.
- b. If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the effectiveness of this technology?
- The new computers and short-throw projectors in most of the Humanities classrooms have proved very effective with visual learners. Instructors report that they are able to convey concepts more efficiently, as well as project student documents for the purpose of discussing common errors and examples of successful writing. The English department is in the process of developing a short survey about this technology to be filled out by both students and faculty.
8. Discuss the effectiveness of technology used in your area to meet [college strategic goals](#).
- The primary technologies used in Humanities Building classrooms are computers with monitors and short-throw projectors. These computers and projectors help instructors meet the college's strategic goals of communication and student success by allowing instructors to interact with students in ways that are increasingly familiar to and appropriate for students in the 21st century.
9. Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle.
- The English department requests the following additional and new technology. The following are priority requests
- If possible, the technology in Humanities Rooms 2 and 7 should be updated so that all students have the same availability.

- Cables to connect equipment to short-throw projectors, including cables used for Mac computers, HDMI, and mini-HDMI cables, at the very least. Some Bluetooth or wireless connectors would be ideal.
- Power Point clickers that instructors can use while lecturing.

The following are ongoing requests of lower priority for future consideration:

- Updated computer hardware for faculty with older machines.
- Ongoing replacement of computers and monitors in Humanities classrooms, with replacement occurring on a regular cycle.
- Turnitin.com access for all English faculty, including adjuncts, to prevent plagiarism.

Environmental Horticulture:

1. Has your program received new or repurposed technology in this cycle?
 - a. If yes, how has this technology contributed to student success?
 - b. If no, how will your new or repurposed technology request contribute to student success?

No. Computers are very common in business and having laptops for the students to use while in the field would enhance the learning experience. Bring in lap top computers and a cart to house them securely.

- A. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request. **Computers are very common in business and having laptops for the students to use while in the field would enhance the learning experience.**

Fire Technology:

1. Discuss the effectiveness of technology used in your area to meet [college strategic goals](#).

No, although we have had a request for new technology which have not been approved yet. Technology is taken for granted today, because it has just become a part of our society. Our academy instructors are looking at tablets now, the state firefighter academy exams will be taken on these devices in the future. We use fire simulator software to build and improve the skills of firefighters because we don't have as many fires today as we have in the past, with the simulators we can create a virtual fire as often as necessary to maintain firefighter skills.

2. Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle.

As reported in the 2013 annual program review, the program requested funds to purchase a Flashover fire simulation prop. The Flash Fire Simulator transforms training and awareness for students, first responders, employees of high risk industries and fire prevention programs. First responders and our students can all benefit from this comprehensive look at fire behavior. Educational opportunities include:

1. Demonstrates the exhibiting precursors to and the properties of a backdrafts.
2. Training students on flashover prevention techniques, heating combustible materials to their auto-ignition temperature to demonstrate what happens in a flashover.
3. Showing the explosive potential when the air/gas mixture in a room reaches the lower explosive limit.
4. Demonstrating to students what happens when the upper explosive limit (UEL) is reached. Impressing upon students the effects of proper and improper ventilation practices.

Food & Nutrition:

- a. New technology
 - i. The Food and Nutrition Program is adding more computer requirements from course textbooks and software requirements from courses. It is time, with our partners Child Development to ask for a computer lab in the FACE Building. FACE 13 can be returned to the Department or remodel FACE 12. The added computer stations would relieve the hallway congestion for Food Service and Nutrition classes. The evaluation of the technology would be in the usage and success rate of the students. There would be added computer stations on the northeast side of the campus to be used by all students of Bakersfield College
 - ii. We are requesting adding one computer station for the FACE adjunct faculty members to utilize.

Forestry: No Assessment

1. Has your program received new or repurposed technology in this cycle? NO
 - a. If yes, how has this technology contributed to student success?
 - b. If no, how will your new or repurposed technology request contribute to student success?
2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request. I teach in Forum East and it is adequate.

Geology/Geography:

1. Has your program received new or repurposed technology in this cycle?

The geology program has not received new repurposed technology in this cycle. However, plans have been forwarded to complete the proposed showcase geology/earth science lab in MS6.

a. If yes, how has this technology contributed to student success?

b. If no, how will your new or repurposed technology request contribute to student success?

The BC geology program would like to see completion of our showcase lab. The lab showcase would incorporate an online weather station, the use of virtual reality activities, the operation of bright link computer capabilities, stream channel table (to explain sedimentary processes), class set of I>clickers (lecture instruction), and a class set of laptop computers (for lab instruction).

NOTE: A class set of I>clickers for both geology/earth science classes have been purchased and are currently being used in classes.

Use of this technology would be incorporated within all aspects of our content material in both lecture and lab (geology, earth science, geography) and evaluated by measuring student retention rates of SLO's through informal and formal assessment strategies, level of student passion for the subject matter, and degree of scientific interest and awareness within the K-12 student community.

2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

Currently, the geology program envisions the completion of the MS6 showcase lab.

Human Services: No Assessment

Industrial Drawing:

1. Has your program received new or repurposed technology in this cycle?

a. Yes. One of the 3D printers we use in our Creative Design Lab was moved to Delano to support their budding program in engineering. It was replaced (through STEM grant funding) with a new, larger 3D printer. The new 3D printer has greater capacity, but otherwise is not much different from the previous printer.

2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success?

We are in desperate need of new computers in the MS9 and MS10 computer labs. The current computers do not have the computing capability or the memory to handle the latest release of

the software we teach. It is imperative that we get new computers before the next release. The industry standard in CAD and 3D modeling also includes dual monitors. Our goal is to supply students with technology comparable to what they will have in the work environment. Dual monitors will allow students to run the CAD or modeling program on one computer and have instructional material or reference material on the other – a feature often used in business today.

We also would like to equip the MS12 lab with computers, which would allow the students taking architectural courses more access to the same technology.

Industrial Technology: No Assessment

Industrial Technology-Auto

1. Has your program received new or repurposed technology in this cycle? No
 - a. If yes, how has this technology contributed to student success?
 - b. If no, how will your new or repurposed technology request contribute to student success?

Current technology resources are outdated in many ways and fall below the needs for instruction for today's students. It will improve student success by empowering the students to work more efficiently and allow faculty to convey information in a visual, graphic format that today's students are accustomed to.

2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

In addition to the requests noted in #1 of this category, the Automotive faculty would like to have support developing a website specifically for the Automotive Department. We have learned from polling our current students that the overwhelming majority of them learn of our classes from the internet. A better presence on the internet would draw a higher quality incoming student as well as serve current and former students with features such as a job placement board, networking opportunities and allow faculty better follow-up with former students' success.

Industrial Technology-Construction:

1. Has your program received new or repurposed technology in this cycle? No
 - a. If yes, how has this technology contributed to student success?

If no, how will your new or repurposed technology request contribute to student success? No, as previously discussed, since courseware was deleted from the involved computer lab, prior request for computers in the construction lab is not necessary.

2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request. No, as previously discussed, since courseware was deleted from the involved computer lab, prior request for computers in the construction lab is not necessary.

Industrial Technology-Woodworking:

1. **Has your program received new or repurposed technology in this cycle?**
 - a. **If yes, how has this technology contributed to student success?**
 - b. **If no, how will your new or repurposed technology request contribute to student success?**

I received a recycled office computer which will allow me to utilize Microsoft Office 7.0. This is an upgrade from the recycled computer that I was allocated in 2005.

2. **Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.**

None is needed at this time.

Journalism:

1. Has your program received new or repurposed technology in this cycle? **** No ****
 - a. If yes, how has this technology contributed to student success?

- b. If no, how will your new or repurposed technology request contribute to student success?

**** We haven't had a need for new technology requests in a few years, but with the plan to change our multimedia class to an online journalism class, certain software that allows students to use technology that would align with industry standards would contribute to their success in completing certain projects. Upgrading our current operating system to CS6 – we currently have CS3 – is one goal, and another would be to upgrade programs that support multimedia projects to every computer in CC1, such as Final Cut Pro or other versions that have been developed in the past year.**

2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

**** The JRNL B2 Beginning Reporting class was moved last year to smaller room in Language Arts that does not have some of the overhead technology, such as a document scanner, that is useful**

in teaching the class. I've had to go back to handouts for certain information. The journalism professor plans to seek a room change for the class for next semester, preferably to a science building lecture hall with updated equipment.

Kinesiology:

4. Has your program received new or repurposed technology in this cycle?
 - a. If yes, how has this technology contributed to student success?
 - **Updating of faculty PC's allows faculty to be more efficient with professional responsibilities as an Instructor and as an Intercollegiate Coach.**
 - b. If no, how will your new or repurposed technology request contribute to student success?

5. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.
 - **Yes, Wi-Fi access in the entire Athletic complex is necessary for coaches to be able to properly support their students with technology. The use of video analysis is crucial to student success and without Wi-Fi access the learning window is compromised for lack of available feedback.**
 - **Hard wired & permanent Internet access to Baseball & Softball Press Boxes. This will assist in online Statistics, game reporting and instructional materials to help matriculate students to the next level.**

Library:

1. **Has your program received new or repurposed technology in this cycle?**
 - a. **If yes, how has this technology contributed to student success?**

Yes. The Library received new student computers, including 23 new stations and an instructor's station in L217, the Library teaching lab. Librarians have found the new computers, along with new student computer monitoring software, have positively affected teaching in the classroom. The computer processing speed has greatly improved and students are able to follow the lecture and demonstrations much better. The upgrade to NetSchool Support in the classroom has allowed us to be more effective teachers by displaying searches directly onto the students' computer screens.

- b. If no, how will your new or repurposed technology request contribute to student success?
2. **Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.** The library will be required to migrate the library database, which includes all bibliographical and user data, to a server running a newer version of Windows Server software by next spring. This is due to the end of life of MS Windows Server 2003. The district office will provide the new virtual server, but we must pay our automation vendor, SirsiDynix, for the migration service. This project will affect all three district campuses and will cost \$6,600. Ideally each campus would pay \$2,200, but discussions regarding how to fund the project are under way right now. Additionally, the library must purchase two iPads and two Bluetooth barcode scanners in order to once again begin performing collection inventories. Fortunately, the inventory software will be free to us through SirsiDynix thanks to an incentive program running this year. Another automation need will be new remote patron authentication software used to allow off-campus students access to the library's subscription databases. The current software, RPA, will no longer be supported by SirsiDynix after summer 2015. The library is exploring other software options and whichever software is selected there will be an additional annual cost, probably around \$600-\$700.

Manufacturing Technology: No Assessment

Mathematics:

1. Has your program received new or repurposed technology in this 3-year cycle? **Yes.**
 - a. If yes, discuss the assessment of its effectiveness as it relates to student, program, or administrative outcomes.

We have the software that comes with the Britelinks installed in MS 104, MS 105, MS 106, MS 108, MS 109, MS 110, and MS 111. The faculty have determined the software to be limited, and are researching to utilize different software. In a couple of the Britelink rooms, we have currently installed Smartware.

- b. If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the effectiveness of this technology?
2. Discuss the effectiveness of technology used in your area to meet college strategic goals.

Instructors are currently utilizing technology. Parts of the lecture notes are being prepared with the current software in order to be more effective in the class. Some instructors have used technology to help with statistics, numerical methods such as Euler's, etc.

3. Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle.

The Math department needs the technology and software to stay current with the world and to be more effective in the classroom.

Music:

1. Has your program received new or repurposed technology in this cycle? Yes.

- a. If yes, how has this technology contributed to student success?

As part of the FF&E for the SPArC, we received 19 Mac mini computers with Logic Pro and Finale installed, large monitors, and 19 Roland digital pianos for the music computer lab SPArC 115. The building's faculty offices (six offices) also came with new computers and phones. The four primary classroom spaces in the building will have dedicated computers and projectors (installation on-going at this writing). The components in the lab (115) in effect represent fulfillment of our technology request for 2013, updating our former music computer lab housed in FA 73E and creating additional stations to allow us to serve more students at any given time. This equipment also greatly enhanced the effectiveness of our piano classes providing more seats in the class, better sounding and playing keyboards, and a teacher's station through which the instructor can listen to and teach the entire class simultaneously or small groups and individuals through a microphone/earphone system that is state of the art. Projectors in the rehearsal rooms allow students to view sample performances of repertoire that they are rehearsing and to watch and critique their own performances, enhancing student learning in the ensemble and applied courses.

- b. If no, how will your new or repurposed technology request contribute to student success?

2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

Philosophy:

Has your program received new or repurposed technology in this 3-year cycle? No, we have not received new or repurposed technology in this 3-year cycle.

If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the effectiveness of this technology?

i. *New office and classroom computers for faculty and 16x9 aspect ratio screens for the classrooms:* Our faculty members have outdated, sluggish, and, in two cases, broken office computers. Some of our faculty has computers that shut down spontaneously, making it a very unreliable. Our classroom computers have not been updated for over 4 or 5 years now. Evaluating the effectiveness of this technology should be self-evident.

ii. *Installing a smartboard or brightlink in one of our classrooms* would provide the department with an opportunity to create lectures that could be saved and uploaded to Moodle for student review, to produce compelling visuals in our religion courses, and, most importantly, to generate interactive lectures for our logic and critical thinking courses. More importantly than that, however, might be that our

students are coming to us with an experience of digital technology that is not replicated by our current technology options in our department's classrooms. We are not meeting our students' needs or expectations, which in effect could certainly correlate with student success. We would evaluate such technology based on both qualitative data obtained from student interviews and quantitative data pulled from our department scorecard of retention and success rates.

iii. *Installing a "short throw, wall mounted" projector in room H105.* At present, the current television system is limited in its usefulness. The projector images are larger and easier to see, and do not require the teacher to strain his/her neck to use when standing in front of the computer. Estimated cost reflects cost of hardware, installation and additional wiring. This is a cheaper route than asking for two brightlink boards. We thought since some of our faculty members prefer projectors and others a smartboard, we would ask for a short throw in one room and a brightlink in the other. We would evaluate such technology based on both qualitative data obtained from student interviews and quantitative data pulled from our department scorecard of retention and success rates.

iv. *Providing the chair with a laptop* is of critical importance to increase efficiency and communication on campus. As it works now, personal laptops are used. This argument can be applied to the Deans as well, who work very hard and have to use their own laptops in order to complete everyday job-related tasks. Meetings between chairs and Deans could become work meetings, where both are using laptops to complete important paperwork. The laptop would transfer from the outgoing to the incoming chairs and, possibly, only to those who need to work closely with the chairs. This would improve the outcomes and efficiency of our program, which also would positively impact the effectiveness of our institution. *This is an essential technology for chairs in order that they can be as productive, helpful, and constructive as they possibly can.* Evaluating this technology could come from both qualitative and quantitative sources. Qualitative data can be obtained from interviews of chairs and administrators. Quantitative data can be obtained from an objective survey distributed to chairs and administrators after a semester's time. If laptops do in fact increase communication, efficiency, and productivity, then this option should be strongly adopted campus-wide. In short, this requests helps fulfill strategic goals of student success, communication, oversight & accountability, and integration.

Discuss the effectiveness of technology used in your area to meet [college strategic goals](#). Currently, we have priority classrooms without effective technology. Thus, we use white board and Expo markers. While for some of our faculty and courses this is sufficient, it is not sufficient for other faculty and courses that demand more of a media centered approach to the learning process. Student success would be positively impacted in these media-centered courses.

4. Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle. Yes. See response to question number one where a delineation of the three new technologies needed to support student success in our program.

Physics/Astronomy:

1. Has your program received new or repurposed technology in this cycle? **Astronomy:** New brighter data/video projector.
 - a. If yes, how has this technology contributed to student success? **Astronomy:** More vivid images with higher resolution better illustrate objects and processes being discussed.
 - b. If no, how will your new or repurposed technology request contribute to student success? **Astronomy:** new SciDome system will enable Planetarium outreach to community and K12 feeder schools to continue and will continue the use of the immersive environment in the Astronomy classes. The SciDome is essentially a computer system with a data projector and the computers are now eight years old.
2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request. **Astronomy:** A new SciDome system will be requested. The SciDome system enables the students to visualize complex 3D models of astrophysical phenomenon that cannot be done with a flat 2D image. The SciDome system is an essential part of the Planetarium's role in BC's outreach to the community. The system is essentially a computer system with a data projector. The computers are now 8 years old. NONE of the money generated from ticket sales goes into any hardware replacement fund—they all go into GUI. BC student headcount served is between 250-350 (depending on number of sections offered) but over 5000 K12 + adult general public attend the planetarium shows. Without the SciDome system, the adult general public shows will not be offered.

Plant Science:

- b. Has your program received new or repurposed technology in this cycle? Yes, as per "e" above.
 - iii. If yes, how have you assessed the outcome of the use of that technology and its effectiveness as it relates to student outcomes?

We have just received the equipment and have not had time to assess the outcomes of that technology.
 - iv. If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the use of this technology?
 - v. How might other areas use this technology?

Political Science:

1. Has your program received new or repurposed technology in this cycle? No.
 - a. If yes, how has this technology contributed to student success?
 - b. If no, how will your new or repurposed technology request contribute to student success?
See comment below.
2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

The Political Science AA-T Program primarily utilizes rooms within the Humanities building. Currently only 2 rooms have ceiling mounted projectors, all other rooms rely upon an approximately 35 inch flat screen television. Students have noted the television screen (s) does not allow a large enough projection to successfully convey written material. It would be beneficial to install ceiling mounted projectors in all rooms and remounting projector screens so they minimize the interference with the use of the white boards. For instructional purposes, it would also be beneficial to ensure each computer is installed with the same software, and each computer has a cabinet top mounted monitor. These technological changes will provide the availability to deliver instructional material in an efficient and more effective means. Students will be better able to capture delivered material better preparing themselves for assessment

Psychology:

1. Has your program received new or repurposed technology in this 3-year cycle?
 - a. If yes, discuss the assessment of its effectiveness as it relates to student, program, or administrative outcomes. **Updated computers have increased efficiency of students' performance on course required activities. The updates have also facilitated the efficacy of instruction within a given class period.**
 - b. If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the effectiveness of this technology?
1. Discuss the effectiveness of technology used in your area to meet [college strategic goals](#). **Despite the prompt responsiveness of technicians, the faculty have had limited access to software and technology both in offices (e.g., SPSS) and in the classroom. Furthermore, there are two programs in the Behavioral Sciences that require PSYC 5 and PSYC 6 for the AA-T degree. The learning outcomes for both courses involve the proficiency in statistical methods and software competency. The aforementioned requires special software (SPSS)**

and computers to run the software. Currently there are two classrooms (SE7 and LA 116) that can accommodate 30 and 20 students, respectively. The high volumes of students taking these courses and problems with technology to support our program outcomes has been problematic for years and continues to be a challenge in meetings students needs. It is suspected that low percentage of degrees award ratio to our enrollment counts is a reflection of the availability of sections offered to students.

2. Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle.

Radiologic Technology:

1. Has your program received new or repurposed technology in this 3-year cycle?
 - a. If yes, discuss the assessment of its effectiveness as it relates to student, program, or administrative outcomes.

The program purchased a new computed radiography imaging system with Perkins funding in May 2013. This addition to the lab has enhanced student learning opportunities by enabling students to have more individual access to digital image processing standards rather than completing most work in a group setting on a single computerized image processing unit. This has assisted students in meeting their own individual learning style.
 - b. If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the effectiveness of this technology?
2. Discuss the effectiveness of technology used in your area to meet [college strategic goals](#).

The addition of two computed radiography image processing units in 2009 and 2013 helps students meet the college's strategic goal for student success as this type of x-ray image processing system matches the technology used in the radiography community. This has been a first step in meeting industry standards in image processing. The next step is mission critical and includes x-ray equipment replacement that matches the digital imaging environment in hospitals and imaging centers. The two x-ray units installed within the instructional x-ray lab located in MS-21 do not meet this standard. The program has reported in the past several program reviews that the radiographic x-ray unit has been limited in its capacity to work because of its collimator-to-x-ray beam light delineation. This was broke for almost one-year. Although the 19 year-old unit was repaired last year this same device is once again in need of repair and parts are currently not available for permanent repair. The second x-ray unit is a radiographic and fluoroscopic unit which is 27+ years old. This unit has been "end-of-product line" since 1999. The fluoroscopy portion of

this unit broke in April 2014 and it cannot be repaired according to the service engineer. This will severely limit the ability to teach the required laboratory curriculum in fluoroscopy and the Job Skills Certificate in Fluoroscopy.

Program faculty are restricted in the teaching of competency based standards required by programmatic accreditation agencies as well as meet employer/industry expectations. Student satisfaction with how the x-ray equipment is working diminishes each semester and student complaints and frustration have increased as the x-ray unit does not work in accordance with correct safety standards.

3. Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle.

New replacement x-ray equipment is immediately necessary as college strategic goals of educating students for a modern workforce cannot be met with dated and aging equipment. Equipment can no longer be sufficiently repaired and perform all of the functions necessary for proper movement to practice imaging procedures and perform lab experiments safely and accurately. Educational accreditation standards require curricular offerings and labs to meet industry standards which support student completion of the program and competency.

The request for replacement of the instructional computer in MS-54 and the computer for the program director is necessary to interface properly with the college and allied health servers to ensure a modern instructional environment for the delivery of student learning in the classroom and preparation for learning in the office setting.

Registered Nursing:

6. Has your program received new or repurposed technology in this cycle?

Yes.

1. The program used grant funds to purchase 100 laptops to facilitate the implementation of the program goal of improving student results on the program exit exam. The department wanted to equip LA107 C with computers similar to the layout of SS 151 or SE 53 but this was not feasible without losing the large classroom size; therefore, we opted for the mobile laptops. This will facilitate the implementation of administering the online exit exam and other proctored exams. We currently use net books for online exams but the technology is outdated and is no longer supported by IT. Since our state licensure exam is administered only on the computer, the faculty would like to move towards incorporating more computerized testing into program courses. Thus, we need updated computers.
 - a. If yes, how has this technology contributed to student success?

The current technology has not yet been installed. However, the technology and equipment from the previous cycle has allowed us to equip our simulation lab to mirror the hospital environment. This has been successful in improving our student's performance in the clinical setting as well as prepares graduates to function in the healthcare environment. Application of

theory content (simulation) ties to the program outcomes of improving NCLEX pass rate, improving results on the exit exam, and improving employer satisfaction. The simulation environment increases student confidence and success.

- b. If no, how will your new or repurposed technology request contribute to student success?
7. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

Yes

The department is requesting technology upgrades in order to maintain the program strength of the simulation lab along with support for the utilization of online resources and exams. All of the department activities (internet resources, PowerPoint presentations, etc.) require current technology to facilitate student and faculty success. In accordance with the 5-year technology plan, the following are the technology needs for the Nursing department in order of priority:

1. The computers in our computer lab (MS 165) are over 5 years old and need to be in the cue for replacement.
2. The classroom computers in LA 107C, MS 156 and IT 201AB need to be replaced.
3. The projector in IT 201AB, MS 156 and LA 107C are aging and will need to be replaced soon.
4. Several faculty computers are 5-6 years old and need to be replaced.

Retail Management: No Assessment

Sociology: No Assessment

Spanish:

Has your program received new or repurposed technology in this 3---year cycle?

- a. If yes, discuss the assessment of its effectiveness as it relates to student, program, or administrative outcomes.

No, we have not received new nor repurposed technology; although, it should be noted that we do receive great support from our IT professionals with what we do have.

- b. If no, what technology could play a contributing factor in future student success and outcomes for your program? How would you evaluate the effectiveness of this technology?

This picture was taken from the back of LA 224.

The technology we are requesting are wall mounted projectors. The effectiveness of the basic technology we are requesting is commonly used across the country by Spanish programs and the technology requested is not expensive or new technology. Nonetheless, wall---mounted projectors would have a positive impact on implementing dynamic lesson plans, more student and instructor presentations, and the possibility for all students to have access to presentations. The increased size of the visual image would make it possible for students to actually see the text and other visual images.

Without the wall-mounted projectors, we cannot assess the effectiveness of how technology influences student success. We can assess that the lack of such technology is hindering student success by eliminating diverse sources we can incorporate in the classroom. In conclusion, the wall projectors would increase student success by allowing us to integrate diverse immersion opportunities.

- c. Discuss the effectiveness of technology used in your area to meet college strategic goals.

The Spanish program rarely implements the use of technology because we do not have effective technology. With what we have, we can play listening activities and attempt to provide power point presentations.

- d. Does your program need new or repurposed technology to support student success? Justify your ISIT Technology Request and your vision for meeting student, program, or administrative unit outcomes for this next 3-year cycle.

The wall projectors will aid the instructors in connecting more students, more effectively, to the larger foreign language community. This is particularly significant to our non-heritage speaking students who are receiving limited exposure to the language outside of classroom. In general, visual images have a tremendous impact on the learner and generate motivation and enthusiasm, two critical components that research has proven to determine student success in foreign languages.

In addition, visual images allow the instructors to diversify the exposition of the material in ways that enhance the learning experience for those students who are visual or auditory learners. Lastly, by having reliable access to technology, instructors are not limited by whether the equipment will work on any given day, jeopardizing their lesson plans and ultimately, the learning outcomes. In addition, the computer stations will not be taking over the whiteboard space and the internet cords will not be affected by the constant movement of the carts and as a result, will prove more reliable with less required maintenance and repair. The projector mounted on the wall will also defy current structural limitations, and contribute by enabling all students access to the images being presented and not be limited by the angle in which the television is set.

The Spanish program learning outcomes are based on five principles: communications, connections, comparisons, communities and cultures. With the use of effective technology, all of the five principles can be implemented and assessed.

Studio Art: No Assessment

Theatre:

1. Has your program received new or repurposed technology in this cycle? Yes.
 - a. If yes, how has this technology contributed to student success? The facilities are now state of the art.
 - b. If no, how will your new or repurposed technology request contribute to student success?
2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request. Yes. We will need to purchase some new power tools for the stagecraft class and the technical theatre classes. Some of our current tools, such as the drill press, the table saw, band saw and sheet saw are over 30 years old. Some do not actually work and some work poorly. We will also need at least two new Sewing machines for the Costume class and Technical theatre lab class.

Vocational Nursing:

- d. How do you assess the effectiveness of technology used in your program in meeting [college strategic goals](#)?

The utilization of technology in the program links to the strategic goals of student success and communication. The program uses technology in a variety of ways, each with a specific purpose. Below is a list of technology used by the faculty.

 - Comprehensive Assessment and Remediation Program (CARP) by Assessment Technologies Institute (ATI) -a supplemental online system which provides students with assessment and content remediation activities. This improves student performance and success in each course as well as the program.
 - I-clickers - enhances student engagement
 - You tube/video clips/free apps specific to NCLEX testing-provides the student with the opportunity to review content as often as desired as well as prepares them for their NCLEX exam.
 - Use of electronic devices (tablets) in class - enhances student engagement when students access resources online while working on in class activities.
 - Use of computers (netbooks or computer lab) for proctored testing. prepares students for the NCLEX testing environment
 - Use of ATI to facilitate curriculum evaluation
 - Skills lab/simulation: The simulation environment improves student clinical competence, confidence, and critical thinking in the clinical setting. Student anxiety has been traced to a lack of confidence in their ability to perform skills which can lead to course failure.

- Inside BC- improves communication to students and provides unlimited access to class, program materials.
- Department Facebook page: improves communication. Scholarship information, program updates and announcements are posted. Students are able to ask program questions which are answered within 24 hours.

Multiple measures are involved in the evaluation of the effectiveness of these technologies. Faculty examine course grades and student performance along with analyzing course and program survey results. The assessment has shown that the use of these technologies have served their purpose and contributed to improved communication between faculty/student/program and increased student engagement leading to improves student success. The utilization of the CARP system is another measure used with students in need of additional content support as well as practice opportunities for testing strategies. Reports can be generated based on student scores and the amount of time spent using the system. This information guides the instructor when discussing strategies that will lead to success. Out of the APR process, the program recognizes the need to gather and analyze more data in order to evaluate the effectiveness of the technology looking specifically at student and faculty utilization.

b. Justify your technology request

Student success in the program is interwoven with the use of technology. In the hospital lab courses, data collection is required to be documented in an electronic health record. Students need to experience this type of documentation prior to entering the work force. The program also uses computers in class for proctored testing which prepares the student for taking the NCLEX exam. We currently use net books for these activities, however students state they are too small for testing and the screen size does not allow for all features to be visible. (buttons to advance pages, finish button, etc.) Faculty are using technology as a method to present content as well as in class engagement activities. We would like replacement with larger tablets or lap tops or development of a classroom/lab with stationary computers.

Welding:

1. Has your program received new or repurposed technology in this cycle? **YES**
 - a. If yes, how has this technology contributed to student success?

The welding staff has received updated office computers that replaced existing computers that were 7 years old. This update was essential to help the welding staff keeps records and organize class material.

The procurement of 8 Pulse-GMAW Welders for 1 welding lab. This is welding technology that industry is using as a benchmark for structural and pipe welding. The exposure by students to this technology better prepares them for the job market and ensures better success.

- b. If no, how will your new or repurposed technology request contribute to student success?
2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

<u>Administrative Units:</u>

Dean of Instruction-CTE: No Assessment

FAS: Events & Community Relations: No Assessment

Finance & Administrative Services:

Identify appropriate **equipment, software, supplies** needed to support new projects, expanded responsibilities, and necessary upgrades. (Use the ISIT Request Form)

- Evaluating equipment and software needs in the following departments: Graphics and Shipping and Receiving
- New computers for M&O staff.
- New technology for irrigation system program upgrade.
- Microsoft Project schedule planning software.
- Dispatching software from CESI
- Requisition two desk top computers for the Officers office.

Foundation:

M&O: No Assessment

Mourtzanos Administrative Support Services:

Identify appropriate **equipment, software, supplies** needed to support new projects, expanded responsibilities, and necessary upgrades. [ISIT Request Form](#)

None anticipated

President's Office:

Identify appropriate **equipment, software, supplies** needed to support new projects, expanded responsibilities, and necessary upgrades. [ISIT Request Form](#)

Laptop for portable digital projector to improve efficiency of effectiveness by providing mobility to support the communication and Learn@BC! initiative.

STEM – Industrial Technology: No Assessment

Technology Support Services:

- a. How do you assess the effectiveness of technology used in your program in meeting [college strategic goals](#)?

We conduct annual technology surveys gauging the campus climate towards using technology. We seek feedback from end-users prior to the implementation of technology to determine what the need is.

NOTE: The ISIT requests for 2013-2014 have already been submitted as part of the AU process. The ISIT Committee has prioritized them and the list is waiting for funding. Because this is a pilot 3-Year Comprehensive, we will not submit another ISIT request.

Student Services:

Counseling & Advising: No Assessment

DSPS:

Identify appropriate **equipment, software, supplies** needed to support new projects, expanded responsibilities, and necessary upgrades. [ISIT Request Form](#)

The following are equipment needed to support our responsibilities and provide necessary upgrades:

- 1) Purchase 5 new computers with DSPS funds for Delano DSPS for the High Tech Center/Accommodated Testing Center.
- 2) Purchase 1 new laptop with DSPS funds for the DSPS Department Director to use.
- 3) Upgrade 8 computers for Alternative Testing in the Assessment Center (computers requested)
- 4) Upgrading of Assistive Technology to keep up with the needs of the students.

Enrollment Services:

1. Has your program received new or repurposed technology in this cycle? No
2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success?

We will be requesting a significant increase in computers for the Administration Building lobby so that increased staff will be able to assist greater numbers of students through the entire matriculation process.

We will also request 15-20 additional computers for testing in the Assessment Center when it is relocated.

EOPS/CARE/CalWorks:

1. Has your program received new or repurposed technology in this cycle?
 - a. If yes, how has this technology contributed to student success?

The department purchased two replacement computers with dual monitors for both Department Assistants who work with budgets, POs, data input and MIS information to accurately account for the students served.

The department also purchased Adobe software for one staff computer which enabled the staff member to convert forms to .pdf documents, and most of them fillable. While updating the webpage the goal is to provide pdf fillable documents for students.

- b. If no, how will your new or repurposed technology request contribute to student success?
2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

Financial Aid: No Assessment

Job Placement:

1. Has your program received new or repurposed technology in this cycle?
 - a. If yes, how has this technology contributed to student success?

The Student Lab has received updates on software programs and a refurbished computer. The upgrades have increased the students' access to College Central and various job opportunities. Students can also receive immediate services, print resumes, and assistances through technology.
 - b. If no, how will your new or repurposed technology request contribute to student success?
2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

Outreach:

1. Has your program received new or repurposed technology in this cycle? No
 - a. If yes, how has this technology contributed to student success?
 - b. If no, how will your new or repurposed technology request contribute to student success?
2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

With development of the BC Welcome Center, 20 new or refurbished desktop computers will provide new and current students begin the process of selecting a major, complete the admissions application, prepare for the placement tests, complete the online orientation program, which will have a direct effect on the success of the college students.

Student Life:

1. Has your program received new or repurposed technology in this cycle?
 - a. If yes, how has this technology contributed to student success?
 - b. If no, how will your new or repurposed technology request contribute to student success?
2. Do you need new or repurposed classroom technology to support student success and/or new office technology to support faculty/staff success? Justify your request.

Student Conduct Management System

Due to the 5th and 6th Amendments of the U.S. constitution, the Office of Student Life is responsible to making sure that all students adjudicated receive their due process and the right to a speedy and public trial. Additionally, information regarding crime on campus needs to be reported effectively and on time as regulated by the Clery Act. On Thursday, September 4, 2014, five BC campus collaborators met to view demos on three leading student conduct management software solutions. The committee recommended Maxient for KCCD. Of the three solutions demoed, Maxient far exceeded what we needed for the campus and came highly recommended by peers from other institutions that have used the Maxient software. Maxient's software has been helping the nation's most respected colleges and universities to operate more efficiently and effectively. That efficiency begins on Day One with an implementation process that leaves the technical details to them. Maxient always conduct an in-person, on-site training to ensure you're comfortable and fluent with Conduct Manager. The beauty of Maxient is that it provides centralized reporting and recordkeeping for all things relative to conduct at your institution. Usually, this includes traditional student conduct or "judicial affairs", academic integrity, mediation, restorative justice, threat assessment, CARE, behavioral intervention, and even just "FYI" issues. Maxient serves as an integral component of many schools overall early alert efforts, helping to identify students in distress and coordinate the efforts of various departments to provide follow-up.

iPad or Tablet Computer Bank

To foster a sense of campus community, student service, and provide on-going and accessible representation of the student population, student officers should have a place to do their SGA/Office of Student Life-related campus activities work, meet with constituents, engage in BC meetings related to Student Life, have space to gather for collaboration and discussion, and to be present during business hours so they may be available for students walking in. Using an iPad or tablet, The Office of Student Life and the Student Government Association can improve their efficiency in several ways. First, the iPad will hold hundreds of apps that replace cumbersome paper materials and awkward equipment. Secondly, iPads improve efficiency by automating tasks that were previously tedious and time consuming: conducting surveys, writing legislation, searching for information, and viewing agendas and minutes. Even the time spent photocopying can be greatly reduced as the PDF versions of workbooks and materials can be loaded onto the iPad and used on-screen, reducing paper usage and waste.