Community College of Philadelphia

The Path to Possibilities.

MEETING OF THE BOARD OF TRUSTEES Thursday, October 2, 2014 – 3:00 p.m. Isadore A. Shrager Boardroom – M2-1

Table of Contents

(1)	Agenda	Pages 2-3
(2)	Proceedings and Minutes of Decisions and Resolutions of the Meeting of September 4, 2014	Pages 4-12
(3)	Gifts and Grants	Pages 13-14
(4)	Minutes of the September 4, 2014 Student Outcomes Committee	Pages 15-60
(5)	Minutes of the September 17, 2014 Business Affairs Committee	Pages 61-72

########



The Path to Possibilities...

MEETING OF THE BOARD OF TRUSTEES AGENDA Thursday, October 2, 2014 – 3:00 p.m. Isadore A. Shrager Boardroom, M2-1

- (1) Executive Session
- (2) Consent Agenda
 - (a) Proceedings and Minutes of Decisions and Resolutions Meeting of September 4, 2014
 - (b) Gifts and Grants
 - (c) Engineering Audit
 - (d) Management of Computer InformationTechnology Audit
- (3) 2013-14 Fiscal Year Audit Report (A)
- (4) Market Research Presentation by CLARUS Corporation
- (5) Report of the Chair
- (6) Foundation Report
- (7) Report of the President
- (8) New Business
- (9) Next Meeting: Thursday, November 6, 2014 3:00 p.m. Isadore A. Shrager Boardroom, M2-1

Future Committee Meetings:

Student Outcomes:	Thursday, October 2, 2014 1:30 p.m. – M2-34
Business Affairs:	Wednesday, October 15, 2014 9:00 a.m. – Isadore A. Shrager Boardroom, M2-1

Upcoming Events

Joint Reception, Board of Trustees	Thursday, October 2, 2014
and Foundation Board of Directors	5:00 p.m. – Pavilion Cube, P2-3
44 th Annual ACCT Leadership	October 22-25, 2014
Congress	Chicago, IL
PA Commission for Community Colleges – Southeast Regional Meeting	November 18, 2014 Bucks County Community College 275 Swamp Road, Newtown, PA 5:30 p.m. – 8:30 p.m.
Thanksgiving Holiday – College Closed	November 27-28, 2014

COMMUNITY COLLEGE OF PHILADELPHIA Proceedings of the Meeting of the Board of Trustees Thursday, September 4, 2014 – 3:00 p.m.

Present: Mr. Bergheiser, presiding; Ms. Biemiller, Mr. Edwards, Ms. Hernández Vélez, Ms. Holland, Mr. Johnson, Mr. Lassiter, Mayor Nutter, Dr. Rényi, Representative Roebuck, Ms. Sparandara, Ms. Tsai, Mr. White, Dr. Generals, Dr. Gay, Ms. Bauer, Ms. Brown-Sow, Ms. DiGregorio, Ms. Garfinkle Weitz, Dr. Hirsch, Mr. Murphy and Mr. Spiewak

Mr. Bergheiser called the meeting to order. On behalf of the Board of Trustees, Mr. Bergheiser welcomed Dr. Generals to his first Board meeting.

(1) <u>Consent Agenda</u>

Mr. Bergheiser stated that items (d) through (g) on the Consent Agenda were approved by the Executive Committee of the Board in June because these items had to be approved by June 30, 2014. He stated that the items must be ratified by the Board of Trustees. Mr. Bergheiser asked Mr. Spiewak to review those items prior to approval of the Consent Agenda.

At the request of Mr. Bergheiser, Mr. Spiewak reviewed the following agenda items:

- <u>2014-15 Property and Casualty Insurance Renewal Program</u>: Mr. Spiewak stated that since the College had marketed its insurance renewal program in the two previous years, Willis (the College's current broker) approached the incumbent carriers with the intent of securing identical or better coverages at premiums close to expiring. He stated that the strategy was effective as the overall increase in premiums will be \$19,770 or a 2.3 percent increase. Mr. Spiewak stated that the total amount for the 2014-15 insurance program including broker fee is \$941,379;
- <u>Payment Gateway RFP</u>: Mr. Spiewak stated that payment gateway is an ecommerce solution that enables students and other interested parties to make payments securely online with credit cards, debit cards, and by e-Check. The College issued a request for proposal and received six responses. Heartland Campus Solutions ECSI met or exceeded the minimum requirements of the RFP and offered the most effective cost savings to the College and students. Mr. Spiewak stated that the College has entered into a three-year contract with Heartland Campus Solutions ECSI at the annualized cost of \$156,654;
- <u>Capital Request for West Building</u>: Mr. Spiewak stated that staff had received approval for up to \$300,000 for construction, professional services and outfitting costs associated with the West Building projects to be charged against the fiscal year 2013-14. He stated that the contractor's work efforts are ahead of the construction timeline so more costs will be incurred as previously projected. Mr. Spiewak stated that the capital construction costs to be absorbed in fiscal year

2013-14 will be in the \$475,000 to \$550,000 range. He stated that staff requested an increase in the amount of construction costs charged against the fiscal year 2013-14 capital budget to a level up to \$650,000; and

• <u>Change Order for Garage Repairs</u>: Mr. Spiewak stated that while the garage was undergoing renovations for structural issues, electrical wire ways, which are severely deteriorated, have been identified. This issue is particularly problematic on ramps which suffered extensive water infiltration failures. Electrical contractors have reviewed possible solutions and have recommended an alternate to embedded wire ways. Mr. Spiewak stated that pricing is based on a per ramp effort. The pricing per ramp is \$23,800, for a proposed total of \$71,400.

Mr. Bergheiser asked for approval of the Consent Agenda:

- Proceedings and Minutes of Decisions and Resolutions Meeting of June 5, 2014
- Gifts and Grants
- Geographic Information Systems (GIS) Program Audit
- 2014-15 Property and Casualty Insurance Renewal Program
- Payment Gateway RFP
- Capital Request for West Building Projects
- Change Order for Garage Repairs

Ms. Hernández Vélez moved, with Ms. Holland seconding, that the Board approve the Consent Agenda. The motion carried unanimously.

(2) <u>Report of the Nominating Committee for Board Officers</u>

Ms. Hernández Vélez, chair of the Nominating Committee for Board Officers, presented the following slate of Board Officers for 2014-15:

Mr. Matthew Bergheiser	Chair
Ms. Suzanne Biemiller	Vice Chair
Representative James Roebuck	Vice Chair
Ms. Stacy Holland	Secretary

Mr. Bergheiser asked whether there were additional nominations for Board Officers. No other nominations were received.

After discussion, Ms. Hernández Vélez moved, with Mr. Lassiter seconding, that the above slate of Board Officers for 2014-15 be approved. The motion carried unanimously.

Mr. Bergheiser thanked the Board for their confidence in reappointingt him as chair of the Board. He stated that he is proud of the Board and staff commitment to the College and our students. Mr. Bergheiser stated that moving forward through a transition, we should consider what Board leadership would be helpful in the future.

(3) <u>Report of the Chair</u>

Mr. Bergheiser stated that this is a time of renewal for the Board of Trustees. He stated that the Board has to think big picture regarding student success, financial resources, and visibility for the College. Mr. Bergheiser stated that the Board will continue to focus on these priorities.

Mr. Bergheiser reported that the Pennsylvania Commission for Community Colleges All Trustee Assembly is scheduled for September 25-26, 2014 at the Hilton in Harrisburg. Members of the Board interested in attending may contact the President's Office for meeting arrangements.

Mr. Bergheiser stated that there will be a reporting of issues discussed by the Subcommittees of the Board during Board of Trustees meetings. He asked Ms. Holland to highlight discussions held earlier in the day at the meeting of the Student Outcomes Committee.

Ms. Holland reported that the Committee reviewed two academic program audits. She stated that the Committee recommended continuing of the Engineering Program with adjustments to include partnerships, and recommended non-renewal of the Management, Computer and Information Technology Program because of lack of participation.

Ms. Holland reported that the Committee also discussed Middle States. She stated that the Committee is working in partnership with the administrative team that is implementing the College's approach to realizing student learning outcomes.

Mr. Bergheiser reminded the Board of the Joint Reception with the Board of Trustees and Foundation Board scheduled for Thursday, October 2, 2014 at 5:00 p.m. in the Pavilion Cube. The reception is an opportunity to cement the relationship between the two Boards and work in concert with the Foundation Board on behalf of the College.

(4) <u>Foundation Report</u>

Mr. Murphy reported that for FY 2015, the Foundation has set a private fundraising goal of \$3 million, a larger figure than the office of Institutional Advancement has ever raised in private dollars. To date, the Foundation has received \$228,000 in private funds. Additionally, a proposal for \$1,400,000 has been submitted to a foundation that has supported the College for the past two years. The College has the preliminary acceptance of that proposal. Mr. Murphy stated that the College is well on the way to achieving and exceeding our private fundraising goal.

Mr. Murphy stated that the goal for government grants this year is \$5 million. To date, the College has received just over \$2 million. Mr. Murphy stated that the College will also exceed our government goal this year.

Mr. Murphy called attention to the fundraising report. He called attention to an unusual amount of solicitation activity. Mr. Murphy stated that this reflects a post-campaign focus on student support and also reflects a staffing change in the Institutional Advancement Office.

Mr. Murphy called attention to private gifts from two new funders, the Claniel Foundation and the Center for Contemplative Mind in Society. Additionally, the Monell Foundation increased their support this year.

(5) <u>Report of the President</u>

Dr. Generals stated that he was happy to be at the College and to participate in his first Board meeting. He indicated that in the Board folder, he had included a report outlining meetings, events and activities in which he had participated since his arrival on campus. Dr. Generals stated that to date, he has had a great sixty days. He stated that he had met with each member of the Board of Trustees which was very helpful to him to get a sense of the Board's thinking and suggestions of how to work together on behalf of the College and our students.

Dr. Generals stated that he had met with members of the Foundation Board, key business and community leaders as well as legislators. He stated that everyone had been very gracious and he thanked the Board of Trustees for setting the tone.

Dr. Generals stated that he had also met with a number of faculty and staff. He stated Professional Development Week kicked off a great start to the semester. Dr. Generals stated that faculty and staff are excited to work together and move the College forward.

Dr. Generals presented a power point presentation emphasizing the following:

- Positioning the College as a prominent and key player in workforce development in the City of Philadelphia;
- The need to have a clear sense of who we are as an institution;
- Budget issues;
- Facilities and facilities maintenance issues;
- Campus safety issues;
- Next steps for the Strategic Plan;
- Aligning programming at regional centers with community needs; and
- Opening the main campus on weekends.

Dr. Generals also discussed the following:

- <u>Board Development</u>: Dr. Generals stated that Board of Trustees development will take place in two phases. The Association of Community College Trustees staff will facilitate the sessions. The first phase will be scheduled in late October or early November. ACCT staff will schedule a session with the president and the Board of Trustees to identify goals. Phase 2 will consist of a half-day retreat in January 2015 to discuss specific goals and direction for the College;
- <u>Middle States Reaccreditation</u>: Dr. Generals stated that the College will have to submit a monitoring report on Standard 14 to Middle States by March 1, 2015. He stated that it is not enough to just collect data but that the College has a culture of assessment and using data to improve teaching and learning;
- <u>Pennsylvania Commission for Community College All Trustee Assembly,</u> <u>September 25-26, 2014, Harrisburg</u>: Dr. Generals urged members of the Board to attend the All Trustee Assembly scheduled for September 25-26, 2014 at the Harrisburg Hilton. He stated that the College needs leadership at the state level, and that it was important for the Trustees to be involved and provide leadership for the funding strategies agenda for the College; and
- <u>Aspen Prize</u>: Dr. Generals emphasized that the College should be able to be among the top 150 community colleges in the country based on the Aspen Prize.

Ms. Biemiller stated that she greatly appreciated Dr. Generals introducing the Board to the plan for the College. She asked about the morale at the College.

Dr. Generals stated that presently the morale is high. Everyone is ready to roll up their sleeves and work with the President to move the College forward. Dr. Generals stated that he looked forward to working with the Board of Trustees on behalf of the College and our students. He stated that he cannot do it alone and asked the Board's support in moving the College forward.

On behalf of the Board of Trustees, Mr. Bergheiser pledged the Board's support for Dr. Generals.

(6) <u>New Business</u>

There was no new business discussed at the meeting.

(7) <u>Next Meeting</u>

The next meeting of the Board of Trustees is scheduled for Thursday, October 2, 2014 at 3:00 p.m. in the Isadore A. Shrager Boardroom.

The meeting adjourned at 4:00 p.m.

COMMUNITY COLLEGE OF PHILADELPHIA Meeting of the Board of Trustees Thursday, September 4, 2014 – 3:00 p.m. MINUTES OF DECISIONS AND RESOLUTIONS

Present: Mr. Bergheiser, presiding; Ms. Biemiller, Mr. Edwards, Ms. Hernández Vélez, Ms. Holland, Mr. Johnson, Mr. Lassiter, Mayor Nutter, Dr. Rényi, Representative Roebuck, Ms. Sparandara, Ms. Tsai, Mr. White, Dr. Generals, Dr. Gay, Ms. Bauer, Ms. Brown-Sow, Ms. DiGregorio, Ms. Garfinkle Weitz, Dr. Hirsch, Mr. Murphy and Mr. Spiewak

On behalf of the Board of Trustees, Mr. Bergheiser welcomed Dr. Generals to his first Board meeting.

(1) <u>Consent Agenda</u>

The Board approved the following Consent Agenda:

- Proceedings and Minutes of Decisions and Resolutions Meeting of June 5, 2014
- Gifts and Grants
- Geographic Information Systems (GIS) Program Audit
- 2014-15 Property and Casualty Insurance Renewal Program
- Payment Gateway RFP
- Capital Request for West Building Projects
- Change Order for Garage Repairs

(2) <u>Report of the Nominating Committee for Board Officers</u>

The Board approved the following slate of Board Officers for 2014-15:

Mr. Matthew Bergheiser	Chair
Ms. Suzanne Biemiller	Vice Chair
Representative James Roebuck	Vice Chair
Ms. Stacy Holland	Secretary

(3) <u>Report of the Chair</u>

The Pennsylvania Commission for Community Colleges All Trustee Assembly is scheduled for September 25-26, 2014 at the Hilton in Harrisburg.

The Joint Reception of the Board of Trustees and Foundation Board is scheduled for Thursday, October 2, 2014 at 5:00 p.m. in the Pavilion Cube.

(4) <u>Foundation Report</u>

The Foundation has set a private fundraising goal of \$3 million and to date, the Foundation has received \$228,000 in private funds. The goal for government grants this year is \$5 million, and to date, the College has received just over \$2 million.

(5) <u>Report of the President</u>

Dr. Generals stated that he was happy to be at the College and to participate in his first Board meeting. Dr. Generals provided the Board with a report outlining meetings, events, and activities in which he had participated since his arrival on campus.

Dr. Generals presented a power point presentation emphasizing the following:

- Positioning the College as a prominent and key player in workforce development in the City of Philadelphia;
- The need to have a clear sense of who we are as an institution;
- Budget issues;
- Facilities and facilities maintenance issues;
- Campus safety issues;
- Next steps for the Strategic Plan;
- Aligning programming at regional centers with community needs; and
- Opening the main campus on weekends.

Dr. Generals also discussed the following:

- <u>Board Development</u>: Dr. Generals stated that Board of Trustees development will take place in two phases. The Association of Community College Trustees (ACCT) staff will facilitate the sessions. The first phase will be scheduled in late October or early November. ACCT staff will schedule a session with the president and the Board of Trustees to identify goals. Phase 2 will consist of a half-day retreat in January 2015 to discuss specific goals and direction for the College;
- <u>Middle States Reaccreditation</u>: Dr. Generals stated that the College will have to submit a monitoring report on Standard 14 to Middle States by March 1, 2015.

He stated that it is not enough to just collect data but that the College has a culture of assessment and using data to improve teaching and learning;

- <u>Pennsylvania Commission for Community College All Trustee Assembly,</u> <u>September 25-26, 2014, Harrisburg</u>: Dr. Generals urged members of the Board to attend the All Trustee Assembly scheduled for September 25-26, 2014 at the Harrisburg Hilton. He stated that the College needs leadership at the state level, and that it was important for the Trustees to be involved and provide leadership for the funding strategies agenda for the College; and
- <u>Aspen Prize</u>: Dr. Generals emphasized that the College should be able to be among the top 150 community colleges in the country based on the Aspen Prize.

On behalf of the Board of Trustees, Mr. Bergheiser pledged the Board's support for Dr. Generals.

(6) <u>New Business</u>

There was no new business discussed at the meeting.

(7) <u>Next Meeting</u>

The next meeting of the Board of Trustees is scheduled for Thursday, October 2, 2014 at 3:00 p.m. in the Isadore A. Shrager Boardroom.

The meeting adjourned at 4:00 p.m.

Community College of Philadelphia Office of Institutional Advancement Record of Grants and Gifts for the October 2014 Meeting of the Board of Trustees

Summary by Grant Type:

		Fiscal
	Current Month	Year-to-Date
Government/Public Grants		
Federal	\$634,574	\$1,830,177
State		\$1,697,980
Local		· · · · · · · · · · · · · · · · · · ·
rivate Grants		
Corporation		
Foundation	\$19,202	\$175,349
Organization		\$4,425
Other Grants		
Gra	Int Total \$653,776	\$3,707,931

1

GIFTS Summary by Gift Type:

to the Foundation	Amount	Purpose
Estate of Allen Bonneli	\$50,000	Endowment
Greater Philadelphia Hispanic Chamber of Commerce	\$15,755	Scholarship
· · · · · · · · · · · · · · · · · · ·		
· · · · · · · · · · · · · · · · · · ·		
· · · · · · · · · · · · · · · · · · ·		
		· · · · · · · · · · · · · · · · · · ·
	· ·	· · · · · · · · · · · · · · · · · · ·
In-Kind		
	· _ ·	
•		
·····		· · · · · · · · · · · · · · · · · · ·
······································		

COMMUNITY COLLEGE OF PHILADELPHIA Office of Institutional Advancement Monthly Summary of Grants and Gifts for the October 2014 Meeting of the Board of Trustees

Federal Grants

The U.S. Department of Education has funded year four of the Predominantly Black Institutions Formula grant program for \$414,484. Funds from this grant will support ongoing efforts to increase enrollment, academic success, retention and graduation rates at Community College of Philadelphia. The project will have a focus on underserved students and those students most at-risk of not completing a postsecondary degree. Specifically, the grant will support veterans and ex-offenders through special initiatives, as well as all students in developmental and gatekeeper courses and those identified through the College's early alert system as being at risk of not completing their courses. Funds will also support the Single Stop program and technology improvements.

The U.S. Department of Education has funded year two of the three-year Minority Science and Engineering Improvement Program (MSEIP) grant for \$220,090. The total award for the three-year grant is expected to be \$660,388. This grant will support the Raising Interest in STEM Education (RISE) program at the College. Through RISE, students interested in STEM will be supported at three levels: developmental, premajors in 100-level science and math courses, and critical juncture students in upperlevel science and math courses. Supports will include increased Learning Lab capabilities, online educational resources, STEM-specific career education and a partnership with Drexel University to provide tutors and a summer research program, as well as professional development for STEM faculty at the College.

Foundation Grant

The Hearst Foundations (subcontracted through the National League for Nursing) has funded year four of the Integrating Geriatrics into Nursing Education grant for \$19,202 for fiscal year 2014-2015 bringing the total award to \$296,353. This project will expand dissemination of the NLN Advancing Care Excellence for Seniors (ACES) Essential Nursing Actions. ACES Essential Nursing Actions were created as a guide for faculty to strengthen geriatrics in the undergraduate nursing education curriculum in both associate's and bachelor's degree nursing programs. Over the life of the project, at least 2,200 faculty in undergraduate (associate's and bachelor's degree) nursing programs will learn how to teach geriatrics through their participation in *Integrating Geriatrics into Nursing Education*.

STUDENT OUTCOMES COMMITTEE OF THE BOARD OF TRUSTEES

MINUTES Thursday, September 4, 2014 1:30 p.m. – Room M2-34

Presiding: Stacy Holland

Present: Mr. Mark Edwards, Dr. Judith Gay, Dr. Donald Generals, Dr. Samuel Hirsch, Mr. Chad Lassiter, Dr. Judith Rényi, Ms. Jill Weitz (Executive Session only)

Guests: Dr. Mary Anne Celenza, Mr. John Moore

(1) **Executive Session**

There was a discussion about personnel issues and student issues.

(2) Public Session

a) Approval of Minutes of June 5, 2014 (Action Item)

The minutes were accepted.

b) Academic Program Audit - Engineering (Action Item)

Mr. Moore reviewed the Academic Program Audit of the Engineering Program. The program has potential for growth and faculty have made curricular changes over time; however there are a number of program issues including enrollment, retention and the failure to complete assessment of program learning outcomes. Board members discussed the enrollment issues. They agreed that the faculty need to aggressively work on an agreement with Drexel; work on an alternative senior year with a school like Carver; recruit heavily to diversify the enrollment. Board members also discussed the issues with assessment. Dr. Generals stated that the program faculty need to expand the scope of their assessment.

Dr. Celenza informed the Student Outcomes Committee members of the new student club for women, the Society for Women in Engineering.

Action: The Student Outcomes Committee of the Board agreed to recommend approving the audit with amendments to include a strategy to increase enrollment, explore K-12 partnerships, ensure seamless transfer to four-year institutions, and diversify the program. The Committee agreed to recommend requiring an update in one year.

(c) Academic Program Audit: Management of Computer Information Technology (Action Item) Mr. Moore reviewed highlights of the audit of the Management of Computer Information Technology Program (MCIT). Students in the program perform well academically and there is growth potential based on the field; however, the program has multiple issues including: low enrollment; lack of leadership and support; failure to complete assessment of program learning outcomes; failure to complete a technology plan. Faculty in the division are discussing creating a certificate rather than having a degree. Students can transfer without an MCIT specific degree. Board members asked about the steps the College takes to accommodate students when a program is closed. Dr. Gay explained how the College works to ensure students are informed of the decision and have the best option developed for them.

Action: The Student Outcomes Committee of the Board agreed to recommend recommends that the Board of Trustees accept the audit with the amendment that the program be closed and the department work to create a certificate for students interested in management.

(d) Academic Program Audit: Middle States (Discussion)

Dr. Gay described the steps the College is taking to meet the requirements for the monitoring report required by the Middle States Commission on Higher Education by March 1, 2015. Steps the College has taken include: doing a triage of programs based on assessment progress with special meetings based on the triage; work with a consultant to develop an electronic repository for program assessment information; creation of a Curriculum Assessment Team (CAT) modeled after the College's successful Curriculum Facilitation Team; identification of faculty leadership for a Monitoring Report work group; increases in communication. The Student Outcomes Committee of the Board asked to have a presentation on program learning assessment at the Committee meetings. Dr. Generals suggested that the presentations be done by faculty members.

The meeting was adjourned.

Next Meeting:

The next meeting of the Student Outcomes Committee of the Board is scheduled for Thursday, October 2, 2014 at 1:30 p.m. in conference room M2-34.

Attachments:

Minutes of June 5, 2014 Academic Program Audit: Engineering Academic program Audit: Management of Computer Information Technology

Summary of MCIT Audit

The Management of Computer Information Technology (MCIT) curriculum leads to an Associate in Arts degree. The primary goal of the program is to prepare students for transfer to a baccalaureate program in Computer Information Systems, Information Technology, and Business Administration with an emphasis on Management Information Systems or a related field. The curricular focus is a set of courses that develop business managers who understand and implement information management methods that are joined with automation to support business decision-making. The curriculum emphasizes the use of technology to manage information and business processes. Upon receiving the associate's degree, students are prepared to obtain employment as computer support specialists at an entry-level position. Further education is recommended for students who wish to advance to higher-level or supervisory positions.

Positions for Managers of Information Technology, who function as translators between programmers or engineers and administrators or higher level business managers, are part of a growing field of specialists. As they sit between technicians and management, they need to cultivate a vocabulary in both fields—a successful program requires input and guidance from faculty in two departments, computer science and business. This important characteristic was reflected in the program at its inception. It was designed modularly; all courses were borrowed from the already existing programs of Marketing/Management, Accounting, and Computer Information Technology. This mitigated the need for specific course development. The degree is based on 10 courses: five each from Business (accounting and management) and CIS. Students must also complete 2 additional elective courses based on their particular career or transfer interests.

The program has seen moderate growth since its inception in 2009, although the numbers are still small (from 14 to 47), and its students perform well academically. The program struggles, however, with leadership and support; it has failed to complete program audits as well as program management and technology plans. The program has also not pursued transfer agreements. Because the field generally requires a Bachelor's degree for entry. This makes transfer opportunities vital for the success of the program. Although there are local institutions to which students could transfer, only one articulation agreement exists (Peirce College). The program currently has little support from its constituent departments and a lack of strong leadership. QVIs indicate low scores on both quality and viability. Students are performing above their peers in the division but are stuck in the back half of the program, and graduations are not keeping pace with program growth.

For these reasons it is recommended that the program be closed as of Fall 2015.

Timeline: Fall 2014: begin process of program closure, current students contacted. Spring 2015: catalog changed to reflect closure. Fall 2014: No new students admitted. Spring 2018: final students graduated.

At the Student Outcomes Committee of the Board, the following additional outcome was added: The Division of Business and Technology create a business or supervision certificate (in part to provide education to computer science students interested in moving into management positions). Timeline: Certificate created by Fall 2015.

Summary of Engineering Science Audit

The Engineering Science Program at CCP prepares students who wish to complete a BS in a number of engineering fields for transfer. It is the fifth largest program in the MSHC division and has experienced little growth in the past five years. Students who enter into this select program perform well, overall. However, just over half leave the program before the second year. Once there, students seem to accumulate a large number of credits before graduating (averaging 20 more than they need to matriculate). As a transfer-oriented program, the faculty must ensure that the opportunities presented to students (from lab work and experience on equipment to internship options) are up to date and consistent with the desires of transfer institutions. While the program has completed course learning outcomes on schedule, there is a need to complete program learning outcomes. The faculty, in the past, have demonstrated an ability to use feedback to make changes to the program's curriculum and needs to build upon these past success to ensure the continued viability of the degree. Currently, however, there is only a single faculty member who teaches all engineering courses. Engineering, as a field has strong growth potential and a strong, low cost preparatory program like CCP's can be an important path to success for students.

Students in the program are more likely to be in Good Standing, Return to the Same Program, and Graduate than students in the Division or the College. Students are also more likely to depart either graduated or with long term success and to hive higher GPAs. The number of degrees awarded is small (15 in 2013), and is in the middle of a three year downward trend (from a high of 28 in 2011). However, the Fall to Fall retention for the program could be increased (e.g. Fall to Fall data for 2012 = 57.3%) and would result in increasing the number of graduates. Students in Engineering are also attempting (110) and completing (86) a larger number of credits than their peers in the Division (88 & 70) and the College (85 & 68).

Recommendations were as follows:

- Complete Program Learning Outcome Assessments. At least one Program Learning Outcome should be assessed, analyzed, discussed, and disseminated during the Fall 2014 semester. All Program Learning Outcomes must be likewise completed by the end of the Spring 2015 semester. Program Learning Outcome and Course Learning Outcome assessment results should be discussed at a Department meeting and during the Spring 2015 Advisory Committee Meeting.
- Refine assessment for Course Learning Outcomes and analyzed and communicate results to internal and external constituencies during the Fall 2014 and Spring 2015 semesters. Although course outcomes have been completed for many courses, the results are not clearly documented in an immediately accessible way.
- 3. Cultivate Articulation Agreements. Review the Engineering Science Curriculum in light of any curricular or pedagogical changes that are occurring at regional transfer program institutions in order to be sure that course content information is up-to-date. A report on the findings and any resulting action plans is due by Summer 2015. Develop a Program to Program Articulation

agreement with Drexel University by Fall 2015.

- 4. Two issues exist in the context of program management: 1) students are leaving the program early (for transfer) and not progressing to the second year; and 2) students that do progress to second year are accumulating a large number of credits before graduating. The program needs to investigate and document the reasons for both of these issues.
- 5. The program needs to determine ways in which it can stay current with the field of engineering—both in terms of transfer and employment—ensuring that opportunities for student learning are adequate and aligned with the future of the field. To accomplish this, the program needs to inventory laboratory equipment and procedures, internships and/or externships possibilities, increasing diversity within the field, and opportunities for research experiences. These should be compared to requirements and best practices at transfer institutions and within the field of engineering pedagogy. This should begin with discussions at the Spring 2015 Advisory Committee and a report of the findings presented to the Dean by Fall 2015. The findings should include an assessment of the future of the field and how CCPs program fits into that future.

At the Student Outcomes Committee of the Board, the following additional recommendations were added:

Given the economic potential for students who become engineers, this program is one that should be targeted for enrollment increases. It is particularly important, given the College's population, to increase the racial and gender diversity of the department. There are also opportunities for growth that exist through partnerships with both High Schools and Transfer Partners.

- 1. The program should develop a plan for increasing both enrollment and diversity in the program. The plan should be presented to the Board by the end of Fall 2015.
- 2. The program should cultivate pipelines with high schools (such as alternative senior year) and local four year institutions (Drexel and Temple) to both increase the number of students in the program and ensure opportunities for seamless transfer. A progress report should be delivered the Board by the end of Fall 2015.

STUDENT OUTCOMES COMMITTEE OF THE BOARD OF TRUSTEES

MINUTES Thursday, June 5, 2014 1:30 p.m. – M2-34

Presiding: Ms. Stacy Holland

Present: Mr. Mark Edwards, Dr. Judith Gay, Dr. Samuel Hirsch, Dr. Sharon Thompson, Dr. Judith Renyi

Guests: Ms. Deirdre Garrity-Benjamin, Mr. John Moore, Ms. Marge Niven

(1) **Executive Session**

Updates were provided on the Physical Therapist Assistant Program, Achieving the Dream site visit, and the Middle States Accreditation visit and follow up.

(2) <u>Public Session</u>

(a) Approval of Minutes of May 1, 2014

The minutes were accepted unanimously.

(b) Geographic Information Systems (GIS) Program Audit

Mr. Moore presented the audit of the GIS program which includes the A.A.S. degree, the Academic Certificate and a Proficiency Certificate. When the GIS program was conceived, it was early on in the development of the field. The program was designed with a degree program and an Academic Certificate. The Proficiency Certificate was developed later to meet the needs of working professionals and others who wanted to add the GIS skill set to an already existing degree. Over the years it has become clear that this is where the demand for the Program is. The program director will then be able to market the certificate, work with the City and other non-profit organizations. If a student wanted to continue into a degree program, they can do so in Liberal Arts. Ms. Garrity-Benjamin described the work of the GIS club which has become the GIS professionals group. She distributed sample maps done for non-profit organizations. The Committee suggested other organizations the group could work with. The recommendation of the audit is to close both the degree program and Academic Certificate and to look at options for refining the Proficiency Certificate.

Action: The Student Outcomes Committee recommends that the Board of Trustees accept the audit as presented and recommend eliminating the A.A.S. degree and Academic Certificate in Geographic Information Systems.

(c) Institutional Research Benchmark Data

The College is part of a national community college benchmark project. The summary data presented shows how we compare nationally and to our peers. The committee reviewed the tables on completion, persistence, and developmental completion success rates. Also considered was the summary of strengths and opportunities for improvement. The committee highlighted the need to continue to implement innovative strategies in both English and Math and to improve student success without lowering standards. The information on this report will be used to inform our dashboard and set goals.

The meeting was adjourned at 2:45 p.m.

(3) <u>Next Meeting</u>

The next meeting of the Student Outcomes Committee of the Board is scheduled for September 4, 2014 at 1:30 p.m. in conference room M2-34.

Attachments:

Minutes of May 1, 2014 Geographic Information Systems (GIS) Program Audit National Community College Benchmark Study Summary Achieving the Dream Site Visit Report Community College of Philadelphia

Academic Program Audit: MCIT

Authors: John V Moore III Edward Baker

Date: August 2014

I. Executive Summary

The Management of Computer Information Technology program prepares students to start a path to become members of a growing field. Managers of Information Technology function as translators between programmers or engineers and administrators or higher level business managers; they need to cultivate a vocabulary in both fields.

The program has seen moderate growth since its inception in 2009, although the numbers are still small (from 14 to 47), and its students perform well academically. The program struggles, however, with leadership and support; it has failed to complete program audits and technology plans. The field generally requires a Bachelors degree for entry. This makes transfer opportunities vital for the success of the program. Although there are local institutions to which students could transfer, only one articulation agreement exists (Peirce College).

For the program to remain, it must find dedicated leadership to bring the program into compliance and to ensure its continued viability.

II. Program

The Management of Computer Information Technology curriculum leads to an Associate in Arts (A.A.) degree. The primary goal of the program is to prepare students for transfer to a baccalaureate program in Computer Information Systems, Information Technology, and Business Administration with an emphasis on Management Information Systems or a related field. The curricular focus is a set of courses that develop business managers who understand and implement information management methods that are joined with automation to support business decision-making. The curriculum emphasizes the use of technology to manage information and business processes. Upon receiving the associate's degree, students are prepared to obtain employment as computer support specialists at an entry-level position. Further education is recommended for students who wish to advance to higher-level or supervisory positions.

A. Brief History of the Program

The Management of Computer Information Systems Program was started in 2009. The goal of the program was, as it is now, to develop a set of skills that help address the growing need of business and organizations for technology savvy managers. Upon completion of the program, graduates will have an understanding of the practical application of technology to support organizational need for value added efficiencies in process and workflow structure. This knowledge will allow the students to successfully transfer to a four year institution where they can continue to specialize their education in the

fields of Management Information Systems and/or Business. At the same time the graduate is qualified to enter the job market as an entry level technology support specialist.

One notable characteristic of the program at its inception was its modular design. In this first stage of the program's development all courses were borrowed from the already existing programs of Marketing/Management, Accounting, and Computer Information Technology. This mitigated the need for specific course development. The degree is based on 10 courses: five each from Business (accounting and management) and CIS. Students must also complete 2 additional elective courses based on their particular career or transfer interests.

B. Curriculum Sequence

Course Number and Name	Pre- or Corequisites	Credits	Gen Ed Req.	
First Semester				
CIS 103 – Applied Computer Technology		3	Tech Comp	
ACCT 101 – Financial Accounting		4		
Math Elective – MATH 118 or above		3	Mathematics	
ENGL 101 – English Composition I		3	ENGL 101	
MNGT 121 – Introduction to Business ¹		3		
Second Semester				
CIS 105 – Computer Systems Maintenance		4		
ACCT102 – Managerial Accounting	ACCT 101 ("C" or better)	3		
ENGL 102 – The Research Paper	ENGL 101 ("C" or better)	3	ENGL 102, Info Lit	
Science Elective ³		3-4	Natural Science	
CIS 106 – Introduction to Computer Programmi	ng	4		
Third Semester				
CIS 150 - Network Technology		4		
MNGT 141 – Principles of Management ¹	MNGT 121	3		
CIS 205 – Database Management Systems	CIS 103	4		
Social Science Elective ³		3	Social Sciences	
Humanities Elective ³		3	Humanities	
Fourth Semester				
CIS 270 – Systems Analysis and Design	CIS 205	4		
ECON 181 – Macroeconomics -or-		3		
ECON 182 - (Microeconomics)		5		
Directive Elective ²		3		
Directive Elective ²		3		

Minimum Credits Needed to Graduate: 63³

¹ This course may transfer as a general elective depending on the transfer institution.

 ² Directed electives are to be chosen from the CIS course offerings above CIS 105.
 ³ All General Education requirements are met through required courses except for the Writing Intensive, Interpretive Studies, and American/Global Diversity requirements.

C. Curriculum Map

		Program	n Student Learning Outco	nes	
Courses	Use technology effectively to communicate and analyze information related to computer information systems and business management processes.	Work as part of a professional team to analyze, design and implement computer information systems for business analysis.	Demonstrate a broad knowledge of computer information systems terminology and practices, including those related to networking and data communications technology.	Explain basic principles of project management	Demonstrate a fundamental knowledge of business activities and the role of data and information technology in these activities.
CIS 103: Applied Computer Technology	1	1	I		
ACCT 101: Financial Accounting	I	I			I
MNGT 121: Intro to Business	IR	I	IR	I	I
CIS 105: Operating Systems	IR	R	IR		
ACCT 102: Managerial Accounting	R	R			R
CIS 106: Into to Programming	R	RAM	R	R	
CIS 150: Data Communication		R	IAM	R	
MNGT 141: Prin. of Management	RAM	R		1	R
CIS 205: DataBase Management Systems	IR	R	RAM	IR	
CIS 270: Systems Analysis and Design		1	RAM	IRAM	RAM
ECON: 181 or 182	R	R			

I=Introduced; R=Reinforced ; M=Mastered; A=Assessed

D. Future directions in the field/program

According to the Occupational Outlook Handbook, Management of Information Systems and Technology is expected to grow 15% faster than other fields between 2012 and 2022. This growth will be fueled by the need to manage employees in wireless systems, cyber security, and software integration and software as a service.

The web will play a major role in the delivery of software systems through both application hosting and Cloud based systems. A large number of jobs are expected to be created in Healthcare, which is expected to have a 42% increase in information systems integration over the next decade. Increases in Cloud computing will shift some attention from in-house services at non-computing industries (such as finance and education) to firms involved and specialized in computer systems design and its related services. This shift will be due to an expected increase in outsourcing of jobs and a strong shift from in house IT-departments to cloud computing companies. In response to this, faculty have begun infusing existing courses with information about Project Management and Responsive Design Concepts and Standards—as was done in the most recent updates with CIS 270 and CIS 130.

III. Profile of Faculty

Initially, there was only one member of the CT department working on the further development of the MCIT and its offerings. All other faculty affiliated with the MCIT program reside in the programs that comprise the twin cores of MCIT: Information Technology and Business Administration. The program itself is housed in the Computer Technologies Department. The current program coordinator has indicated that he is no longer interested in serving in that role.

A. Program Faculty

Faculty Member	Position	Courses Taught		
Edward Baker	Associate Professor	CIS 140, 230, 231		
MA, Rosemont College	Program Coordinator			

B. Level of Engagement of Program Affiliated Faculty

The program affiliated faculty have participated in many college-wide initiatives, including various hiring committees, curriculum development committees, and enrollment management teams. The Faculty participate in the Faculty Council on Education, the International Webmasters Association (IWA), and have served as Faculty mentors of student clubs. Although many of these activities are done under the auspices of other programs in the Computer Technologies department.

IV. Student Profile

The MCIT program has grown from an inaugural class of 14 to a current population of 47 while still relatively small, this represents growth of over 200 percent. The program has a smaller percentage of females (40%) and African-Americans (40%) than the College (64% and 48%, respectively). Students are also older (49% over 30 as compared to 30%).

		Fall 2009	Fall 2010	Fall 2011	Fall 2012	Fall 2013	5 Year Average	5 Year Change
MCIT	Headcount	14	23	36	38	47	27.3	236%
WICH	FTE Headcount	11	18	25	27	37	20.5	236%
Business &	Headcount	3,073	3,167	3,246	3,160	3,286	3118.3	7%
Technology	FTE Headcount	2,288	2,358	2,372	2,324	2,378	2292.7	4%
College	Headcount	19,047	19,502	19,752	18,951	19,263	18973.7	1%
College	FTE Headcount	13,360	13,697	13,681	13,112	13,106	13139.8	-2%

Table 1. Headcounts

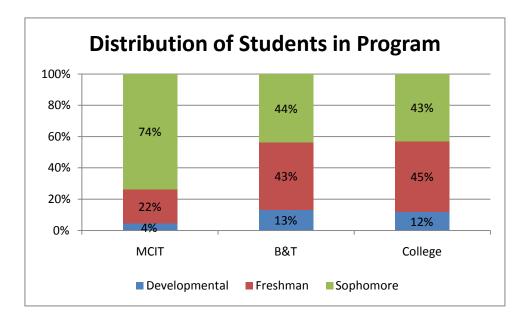
Table 2. Demographics

Demographies.	Num 5		50		
	MCIT	Business and Technology	College		
Female	40.2%	45.8%	64.0%		
Male	59.8%	53.9%	35.6%		
Unknown	0.0%	0.3%	0.4%		
Native American	0.6%	0.5%	0.5%		
Asian	12.8%	10.6%	7.2%		
African American	39.5%	48.2%	48.6%		
Latino/a	4.6%	5.3%	5.4%		
White	25.9%	21.3%	24.9%		
Other	3.9%	3.9%	3.4%		
Unknown	12.7%	10.2%	9.9%		
16 – 21	13.2%	35.2%	32.5%		
22 – 29	35.2%	38.4%	36.6%		
30 – 39	25.8%	14.6%	17.0%		
40 +	23.4%	11.1%	13.0%		
Unknown	2.4%	0.9%	0.9%		
Full Time	34.5%	37.6%	31.2%		
Part Time	65.5%	62.4% 68.8%			
All Developmental ¹	29.2%	30.9%	28.3%		
Some Developmental	45.8%	50.0% 43.9%			
College Level	25.0%	19.0%	27.8%		

Demographics: Running 5 Year Average

¹ Status at College entry as determined by placement testing.

Figure 1: Student Distribution Pattern



B. Student Outcomes

Students in the program generally have slightly higher outcomes across the board: standing, retention, graduation, course completion, and GPA are all higher than the College's average. Students, however, are less likely to transfer upon graduation, and do not progress through the program. They average a year and a half longer to graduate and have a much larger percentage of students in the sophomore year of their program than the College; degrees are small for the program size. Faculty indicated this may be due to a larger number of students internally transferring into the program from either business or computer science programs—entering later in their academic careers when a number of credits have already been accumulated.

Table 3. Outcomes Data: 5 Year Averages

		1		
		MCIT	B&T	College
Standing	Good Standing	89.8%	82.3%	85.0%
	Probation	8.3%	15.7%	13.5%
	Dropped	1.8%	2.0%	1.6%
Fall-Spring Retention	Returned/Same	70.5%	64.8%	65.8%
	Returned/Different	12.0%	6.1%	5.2%
	Graduated	6.5%	3.0%	2.1%
	Did Not Return	18.4%	26.2%	26.9%
Fall-Fall Retention	Returned/Same	44.8%	37.0%	36.7%
	Returned/Different	11.4%	8.6%	8.6%
	Graduated	16.3%	9.4%	8.4%
	Did Not Return	33.1%	45.0%	46.4%
Success at Departure ²	Graduated	16.9%	13.4%	10.0%
	Long Term Success	41.9%	34.4%	36.2%
	Short Term Success	19.9%	13.3%	17.2%
	Unsuccessful	21.2%	38.8%	36.6%
Course Outcomes	Course Completion	93.2%	86.4%	88.2%
	GPA	3.02	2.56	2.65

² "Graduated" are students who earned certificates or associates degrees at the College. "Long term success" is defined as departure with a GPA of 2.0 or greater and 12 or more cumulative credit hours earned. "Short term success" is defined as departure with a GPA of 2.0 or greater and 11 or fewer cumulative credit hours earned. The "unsuccessful" departure group includes all departing students not otherwise classified including students who never complete a college-level course.

Table 4: Degrees Awarded

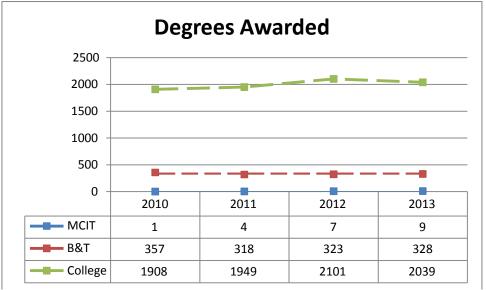
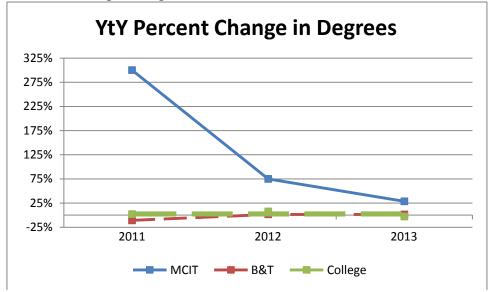


Figure 2: Percent Change in Degrees Awarded





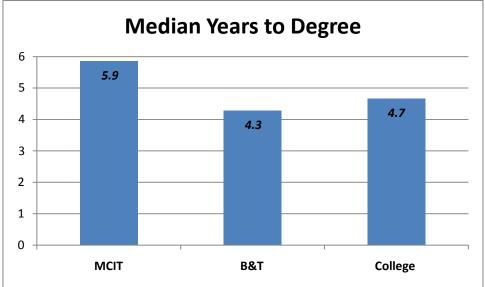
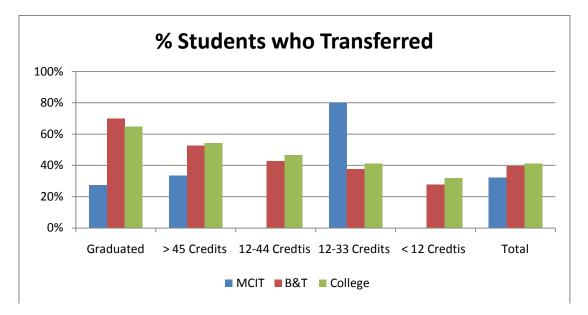


Figure 4. Transfer by Departure Status⁴



 $^{^3}$ Students with no prior enrollment in U.S. higher education who graduated in academic year 2012-2013 with only one Associate's degree.

⁴ Fall 2005- Fall 2010 Cohorts

C. Student Feedback

There have been no formal Student surveys conducted over the last five years. Informal information gathering sessions have been conducted to gauge how students respond to the content of the current degree offering. According to Professor Ed Baker, one of the most common pieces of feedback students have is that they are not being informed that the degree is available. Many students only learn of the degree after being directed into other areas such as Culture Science and Technology or by taking elective courses in CIS such as Web design. Students who have completed courses in accounting, management, or CIS have indicated that they were directed towards CIS if they were not sure about transfer or Liberal Studies if transfer was their goal. Within the program, students have also expressed a desire for more web content, as well as e-commerce and electronic resource planning. There was a strong desire to learn about search engine optimization (SEO) and content management systems. They felt that these areas would be more relevant in the business world (as opposed to hardware repair).

There were too few graduates to calculate meaningful data from the College's alumni survey.

V. Learning Outcomes and Assessment

A. Program Level Outcomes:

Upon completion of this program graduates will be able to:

Use technology effectively to communicate and analyze information related to computer information systems and business management processes.

Design and implement computer information systems for business analysis.

Demonstrated a broad knowledge of computer information systems terminology and practices, including those related to networking and data communications technology.

Explain basic principles of project management.

Demonstrate a fundamental knowledge of business activities and the role of data and information technology in these activities.

B. Assessment of Student Learning Outcomes

An Assessment Plan has been developed for the program, however, as of the writing of this audit, no program outcomes have been evaluated.

As the courses from this program come from other departments, there are no specific MCIT courses and, therefore, no course learning outcomes. (Although to meet program learning outcomes MCIT affiliated faculty may want to use ppropriate data from required courses.)

C. Advisory Committee

The MCIT program shares an active Advisory Committee (AC) with the CIS and CS programs. It is comprised of faculty from local institutions, individuals from a variety of industries, as well as current and former students. Recent discussions have focused on the possibilities of additional program certificates, local employment needs, transfer possibilities, skill sets needed for employment and transfer, modernization of the curriculum, advising, and the general focus of the program.

Many employers on the Committee require at least a bachelor's degree for their developers and managers (meaning transfer is important). They also stressed the need for out of classroom experiences (internships, clubs, work) for candidates. There was ambivalence about certification exams, individuals indicated that while they may help in specific instances, they were often not required for employment. They noted the divergence between management and programmers/engineers in hiring. They also noted that customer service/help desk jobs are on the list of regional HPOs and are jobs available with only an Associate's degree.

In terms of courses, the committee mentioned the need for skills in Cloud Computing, Application Development, Web API, and Data Integrity. They also indicated the need to keep SLOs updated with current technology but to avoid the impulse to chase tech trends with brand new courses. They did note that there is no capstone for MCIT to pull ideas together.

D. Quality/Viability Indicators

In the past two years MCIT has scored low both in terms of quality (averaging 1.3 out of 4) and viability (1.6 out of 4) on QVIs, the program was warned about lack of program SLO assessment, low graduation rates, and time to degree for students.

E. Program Management

The program is growing with minimal effort by the affiliated faculty. There are some concerns that students may not be aware of the program and that advising in the business and computer science classes might ameliorate that. The program's management plan is attached (Appendix A). As noted above, moving students through to graduation is a challenge yet to be effectively addressed.

VI. Resources

The MCIT program faculty has reviewed technological needs for future courses. Several courses utilize course related program software that students need for course work including Microsoft Visio, Microsoft Project, MySQL Server and the Java Runtime. Courses using these and other packages need access to computer classrooms.

Instructors also like to use the computer classrooms for course lab projects and testing. The standard modern personal computer system is generally sufficient to run the software used in MCIT Computer and Business courses.

This review, it should be noted is an informal one and the MCIT program has not submitted their formal technology plan. (As required by Business and Technology programs with substantial technology (hardware or software) needs.)

VII. Demand

Many of the jobs associated with this field have growth potential higher than the average for all jobs (Table 7). The Management Information Systems title itself is expected to grow by 15%, slightly faster than all jobs (12%) between 2012 and 2022.

Associate's Degree Entry	Average Salary		Growth: 2012- 2022
Computer Support Specialist	\$	48,900	17%
Web Developer	\$	62,500	20%
Bachelor's Degree Entry			
Computer Systems Analyst	\$	79 <i>,</i> 680	25%
Information Security Analysts	\$	86,170	37%
Computer/Information System Managers	\$	120,950	15%
All Jobs			12%

Table 5: National Jobs Outlook

Locally, job openings outstrip granted degrees in the field (Figure 5). However, it is worth noting that individuals with only an Associate's degree would be ineligible for many of these (only 8% of the jobs in the region in Management of Information Systems are held by individuals with 2 year degrees); most hold at least a Bachelors degree and fully onequarter have at least a Masters. Students interested in the associate level entry programs could major in the CIST program and be equally qualified. Several professions related to the field have been deemed high priority occupations for the region: Computer Support Specialists and Network & Computer Systems Administrators.

Regionally, two schools also offer Associate's degrees in Information Systems Management and ten schools offer Bachelor's degrees. MCIT currently only has an articulation agreement with one (Peirce College). Temple University has said that it will not accept many MCIT courses for transfer. That leaves eight additional institutions for possible transfer agreements.

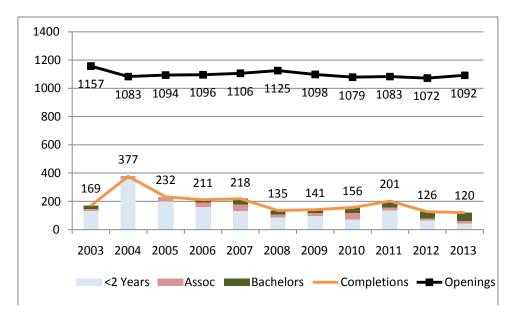
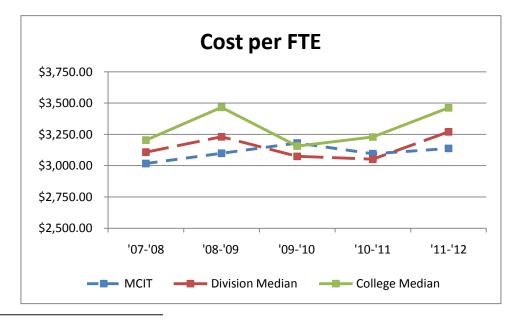


Figure 5: Regional Degree Completions and Job Openings⁵

VIII. Operating Costs

Program costs (per FTE) are lower than both the Business and Technology and the College's medians (Figure 6). The program's lower costs are assisted by the fact that there are no MCIT specific courses so program costs are spread over several teaching departments.

Figure 6: Operating Costs / FTE



⁵ Includes degrees and job openings at all education levels.

IX. Findings and Recommendations

The MCIT program sits at an interesting juncture: it has had some growth since its inception and sits as a viable entry point into a field with clear growth potential. However, the program currently has little support from its constituent departments and a lack of strong leadership (particularly for the administrative parts of managing a program: program learning outcomes, technology plan, program management plan). QVIs indicate low scores on both quality and viability. Students are performing above their peers in the division but are stuck in the back half of the program, and graduations are not keeping pace with program growth.

1. Given the above, it is recommended that the program be closed as of Fall 2015.

Timeline:Fall 2014: begin process of program closure, current students contacted. Spring
2015: catalog changed to reflect closure. Fall
2014: No new students admitted. Spring 2018: final students graduated.Persons Responsible: Department Chair, Assistant Dean. If the program does

not close it must do the following:

A. The program must find a full time faculty member to take over leadership responsibility for the program.

B. The program must complete one program learning outcome (PLO) by the end of the semester and have all program learning outcomes completed by the end of the academic year.

C. The program must increase its number of transfer or articulation agreements to ensure program viability.

D. The program will need to continue to monitor trends in both management and accounting to ensure that courses continue to meet the needs of the profession and requirements for transfer.

E. The program must, in response to low QVI scores, survey students to better understand their needs and challenges.

Community College of Philadelphia

Academic Program Audit: Engineering Science

Authors: John V Moore III David Cattell Mary Anne Celenza

Date: August 2014

I. Executive Summary

The Engineering Science Program at CCP prepares students who wish to complete a BS in a number of engineering fields for transfer. It is the fifth largest program in the MSHC division and has experienced little growth in the past five years. Students who enter into this select program perform well, overall. However, just over half leave the program before the second year. Once there, students seem to accumulate a large number of credits before graduating (averaging 20 more than they need to matriculate). As a transfer-oriented program, the faculty must ensure that the opportunities presented to students (from lab work and experience on equipment to internship options) are up to date and consistent with the desires of transfer institutions. While the program has completed course learning outcomes on schedule, there is a need to complete program learning outcomes. The faculty, in the past, have demonstrated an ability to use feedback to make changes to the program's curriculum and needs to build upon these past success to ensure the continued viability of the degree. Engineering, as a field has strong growth potential and a strong, low cost preparatory program like CCP's can be an important path to success for students.

II. Program

The Engineering Science curriculum provides a foundation for further study toward the bachelor's degree in engineering. As such, it parallels the first two years of engineering programs offered by major universities and is applicable to any engineering discipline. Students planning to pursue baccalaureate degrees in aerospace, biomedical, chemical, civil, electrical, industrial, mechanical, nuclear or petroleum engineering select this program. Students with other technical interests may consider other technological curricula.

A. Brief History of the Program

The Community College of Philadelphia Engineering Science Program first admitted students in 1968. It was designed for students planning to complete an associate in science degree and then pursue a baccalaureate degree in an engineering discipline such as aerospace, biomedical, chemical, civil, computer, electrical, industrial, materials, mechanical or nuclear engineering. It was also designed to provide access for students who typically would not enter baccalaureate engineering programs because of financial and/or academic limitations. In 1971, the Program was assigned to the Physics Department because physics courses provide a strong foundation for Engineering Science courses and because in most engineering schools the first two undergraduate years are similar to those offered by physics departments.

In 2008, the Engineering Science curriculum underwent a program audit. The Program's strengths were noted as the following:

- The Engineering Science Program provides access for students who typically would not enter baccalaureate engineering programs because of financial and/or academic limitations.
- 2) The Curriculum provides students with experiences in using and programming stateof-the art equipment like that used in industry and is infused with the "hands-on"

and "learn by experience" philosophy of engineering education that has been adopted and advocated by Drexel University and other universities.

- 3) The courses in the Curriculum comprise a coherent set and provide students with the first two years of a mathematics and science background comparable to that received in a baccalaureate degree granting institution.
- 4) During the period studied for the audit, enrollment in the Program was diverse in terms of gender, ethnic/racial and age.

To address the weaknesses found with the Engineering Science Program the following recommendations were suggested:

Recommendation	Status
Course documentation for ENGR 221-Statics and	ENGR 221 and ENGR were reviewed and revised
ENGR 222-Dynamics should be reviewed.	in 2009 and 2010 respectively.
Engineering Science Program Faculty should	It was determined that while having an adequate
determine the appropriate balance of engineering	representation from the four year Engineering
faculty and other Program Advisory Committee	Colleges and Universities, there was a lack of
members for the 2007- 2008 academic year. An	sufficient representation from the Engineering
appropriate system of terms and term limits	Industry. The Department has added additional
should be established for the Program Advisory	representatives from industry to the Advisory
Committee members, in accordance with "best	Committee. The Advisory Committee
practices" for Advisory Committees.	recommended not imposing term limits because
	of the benefits that can come from individuals
	with a long association with the College (e.g.
	transfer representatives from 4 year Colleges and
	Universities).
Working with staff in the Office of Institutional	The current Program Supervisor for the
Research, Program faculty will develop	Engineering Science Program has developed a
procedures for developing and maintain contact	method for tracking students in the program. In
with Program graduates and others who might	addition, transfer partners have agreed to provide
provide data to document the achievement of	data on students who transfer from CCP to their
Program goals.	programs.
The Statement of Program Goals is aligned with	Faculty reviewed the Program Goals and created
the College's mission statement and supports the	new Program Learning Outcomes which are more
College's Vision Ideals. However it was	in keeping with the desired outcomes for current
developed more than ten years ago. It should be	and future students.
reviewed by the Program faculty and fine tuned	
to more accurately express the desired outcomes	
for current and future students.	
Program faculty should develop a Program	Faculty have participated in a number of activities
Recruitment Plan to increase enrollment in the	designed to increase enrollment but no formal
program.	plan was developed.

The current Program Curriculum combines the first two years of the traditional engineering content at colleges and universities using the ETDSL (Engineering Test, Design and Simulation Lab) methods pioneered by Drexel University. In the 1999-2000 academic year, the Physics Laboratory was remodeled and retrofitted to accommodate a new Engineering Design Laboratory, which included what were then, ten state-of-the-art, networked, computer-based workstations with instrumentation controls.

Course Number and Name	Prerequisites and Co-requisites	Credits	Gen Ed Req.
FIRST SEMESTER	•	18	
ENGR 102 - Engineering Design and	MATH 162	4	
Laboratory I			
MATH 171 - Calculus I	MATH 161 - MATH 162	4	Mathematics
CHEM 121 - College Chemistry I	CHEM 110 (or H.S. chemistry)	4	
ENGL 101 - English Composition I		3	ENGL 101
CIS 103 - Applied Computer		3	Tech Comp
Technology			
SECOND SEMESTER		17	
ENGR 202 - Engineering Design and	ENGR 102	4	Writing
Laboratory II	LINGIA 102	4	Intensive
PHYS 140 - Mechanics, Heat and	MATH 171	5	Natural
Sound			Science
MATH 172 - Calculus II	MATH 171	4	
MATH 270 - Linear Algebra	MATH 171, MATH 172	4	
SUMMER SESSION I		3	
ENGL 102 - The Research Paper	ENGL 101 with a "C" or better	3	ENGL 102
THIRD SEMESTER		16	
MATH 271 - Calculus III	MATH 172, MATH 270	4	
CHEM 122 - College Chemistry II	CHEM 121	4	
ENGR 221 - Statics1	PHYS 140, MATH 172	3	
PHYS 241 - Electricity, Magnetism and	PHYS 140, MATH 172	5	
Light			
FOURTH SEMESTER		17	
Humanities Elective		3	Humanities
Social Science Elective		3	Social
			Sciences
MATH 272 - Differential Equations	MATH 172, MATH 270	4	
ENGR 222 - Dynamics1	ENGR 221, MATH 271	3	
CSCI 111 - Computer Science I with	Math 118 placement or higher		
Java or		4	
	PHYS 241, MATH 172	4	
ENGR 205 - Materials Engineering			
MINIMUM CREDITS NEEDED TO GRADU	JATE:		71

B. Curriculum Sequence

C. Curriculum Map

STUDENT LEARNING OUTCOMES	Course	Course	Course	Course	Course
Solve problems in algebra, trigonometry and calculus.	MATH 171	MATH 172	MATH 271		
Solve basic problems in science and engineering.	PHYS 140	PHYS 241	ENGR 221	ENGR 222	ENGR 205
Work in teams to implement projects.	ENGR 102	ENGR 202			
Use computers for data acquisition and instrumentation control.	ENGR 102	ENGR 202	ENGR 205		
Communicate technical information using written, verbal and graphical presentations.	ENGR 102	ENGR 202	ENGR 205	PHYS 140	PHYS 241

D. Revisions to the Curriculum

In 2000, Engineering Design and Laboratory I and II (ENGR 102, 202) were revised as was Materials Engineering (ENGR 205) in 2003. The course documentation for ENGR 221 (Vector Mechanics I – Statics) was updated and approved in 2009. Course documentation for ENGR 222 (Vector Mechanics II – Dynamics) was updated and approved in 2011. The updates include descriptions of how modern technology is being used in these classes.

E. Future directions in the field/program

Engineering, as a field, is experiencing strong growth potential; this is particularly true within certain subspecialties such as Computer Engineering (30% growth over the next ten years), Environmental Engineering (22%), Petrochemical Engineering (19%), and Biomedical Engineering (62%). These growth areas are driven by current global and societal needs (e.g. global warming, the demands of population increases). Additionally, future engineers will be expected to have increasing proficiency with technology (programming, networking, systems engineering, and the field has new subspecialties such as micro-engineering. As these fields develop, they will require technical specialists, with AS degrees, to repair and maintain these systems.

Within the program, there is a need to expose students to the vast array of opportunities for students, both in the workplace and in transfer. The program hopes to accomplish this through more direct exposure to the workplace for students (through field trips and summer internships) and through maintaining a curriculum that articulates well with transfer institutions.

3 Program Characteristics

A. Program Faculty

Faculty Member	Position	Courses Taught
Wojciech Alex Gontar	Assistant Professor, Physics	Engineering Design and
PhD, Civil Engineering		Laboratory I,
		Engineering Design and
		Laboratory II,
		Materials Engineering,
		Nanofabrication
		Manufacturing,
		Material, Safety, and
		Equipment Overview for
		Nanofabrication,
		Basic Nanofabrication
		Processes, Thin Films in
		Nanofabrication,
		Lithography for
		nanofabrication,
		Materials Modification in
		Nanofabrication,
		Characterization,
		Packaging, and Testing of
		Nanofabrication
		Structures, Vector
		Mechanics I, Vector
		Mechanics II

B. Engagement of Program Faculty

Faculty affiliated with the program have been involved with a number of projects including a summer engineering camp and as an advisor for the National Society of Black Engineers. Faculty have also created opportunities for student field trips to labs at Drexel and Temple Universities and the University of Pennsylvania.

During Summer 2014, eight Engineering Science students participated in a Research Program at Drexel University aimed at developing skills in the Biomedical Engineering field. This opportunity was made possible by the Raising Interest in STEM Education (RISE) program which is part of the Department of Education funded Minority Science and Engineering Improvement Program Grant (MSEIP) received by the College in Fall 2014. At the conclusion of the program the students were able to present their findings in a Drexel University Research Symposium. The Department Head of the Physics Department and Dr. Alex Gontar have been participating in joint events with Drexel University as a result of this grant. Engineering Science students have also been the recipient of tutoring by a Drexel Engineering graduate student. This initiative has been particularly beneficial in providing support for upper level Physics and Mathematics courses as well as the Engineering courses.

4 Program Characteristics

A. Student Profile

The program has had some growth over the past 5 years (27%, 22 people). The students in the program are overwhelmingly male (87%) and more likely to be Asian (17% vs. 7%), Full Time (52% vs. 31%), and College Ready (56% vs. 29%) than the students at the College at large. There are relatively fewer African Americans (32% vs. 48%) than the College.

Course enrollments are slightly higher than those of the rest of the College and the Division. With the exception of one year, they have run 3-5% higher than the College. The program also has a higher percentage of students with more than 30 credits. This is likely related to both the number of credits required by the program (71) and the large number of pre-requisites (which both lowers the number of developmental students and increases the total number of credits taken).

		Fall 2008	Fall 2009	Fall 2010	Fall 2011	Fall 2012	5 Year Average	5 Year Change
	Headcount	81	85	89	83	103	88	27.16%
	FTE							
Engineering Science	Headcount	66	69	74	68	83	72	25.76%
	Headcount	5,305	6,189	6,638	6,913	6,704	6350	26.37%
	FTE							
MSHC	Headcount	3,702	4,339	4,702	4,796	4,655	4439	25.74%
	Headcount	17,327	19,047	19,502	19,752	18,956	18917	9.40%
	FTE						1	
College	Headcount	11,883	13,362	13,696	13,682	13,111	13147	10.33%

Table 1. Headcounts

Figure 1. Year to Year Percent Change in FTE Headcounts

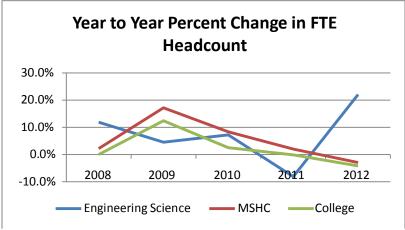


Table 2. Demographics

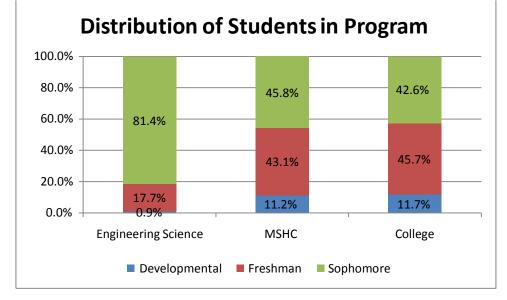
Demograp	incs. Running 5 rea	ai Average	
	Engineering Science	MSHC	College
Female	11.1%	76.5%	65.0%
Male	87.4%	23.0%	34.4%
Unknown	1.5%	0.5%	0.6%
Native American	1.2%	0.4%	0.5%
Asian	17.1%	7.9%	7.2%
African American	32.0%	49.1%	48.2%
Latino/a	8.1%	6.0%	6.1%
White	26.2%	24.7%	25.2%
Other	6.5%	3.8%	3.8%
Unknown	8.9%	8.1%	9.1%
16 – 21	26.9%	29.6%	32.6%
22 - 29	48.7%	37.5%	35.4%
30 - 39	16.0%	20.7%	16.9%
40 +	6.3%	10.9%	13.6%
Unknown	2.2%	1.2%	1.5%
Full Time	51.5%	28.5%	31.4%
Part Time	48.5%	71.5%	68.6%
All Developmental	12.0%	31.5%	27.9%
Some Developmental	32.0%	46.0%	43.3%
College Ready	56.0%	22.5%	28.8%

Demographics: Running 5 Year Average

Table 3. Course Enrollments

		Fall 2008	Spring 2009	Fall 2009	Spring 2010	Fall 2010	Spring 2011	Fall 2011	Spring 2012	Fall 2012	Spring 2013	Fall Average	Spring Average
	Courses	4	7	11	13	5	7	5	7	6	6	6.2	8
Engineering Science	Avg Enrollment	21	14.9	11	12.5	24	20.1	23.4	20.4	25.7	19.8	21.0	17.5
Science	Percent Filled	88%	67%	58%	54%	100%	90%	98%	89%	92%	83%	87%	77%
	Courses	981	1000	1038	1088	1004	1037	1045	958	975	985	1009	1014
MSHC	Avg Enrollment	21.3	20.9	22.0	21.5	23.5	22.8	22.4	23.0	22.0	21.6	22.2	22.0
	Percent Filled	87%	87%	90%	88%	88%	88%	89%	87%	88%	88%	88%	88%
	Courses	2694	2829	2881	3096	3023	2940	2939	3007	2756	2738	2859	2922
College	Avg Enrollment	21.2	21.2	22.3	22.0	21.9	22.1	21.8	21.6	22.2	22.1	21.9	21.8
-	Percent Filled	83%	83%	87%	86%	85%	85%	84%	83%	86%	84%	85%	84%

Figure 2: Student Distribution Pattern



C. Student Outcomes

Students in the program are more likely to be in Good Standing, Return to the Same Program, and Graduate than students in the Division or the College. Students are also more likely to depart either graduated or with long term success and to hive higher GPAs. The number of degrees awarded is small (15 in 2013), and is in the middle of a three year downward trend (from a high of 28 in 2011). However, the Fall to Fall retention for the program could be increased (e.g. Fall to Fall data for 2012 = 57.3%) and would result in increasing the number of graduates. Students in Engineering are also attempting and completing a larger number of credits than their peers in the Division and the College (Table 6).

nes Dala. 5 re	ar Averages			
		Program	Division	College
	Good Standing	89.0%	85.5%	84.1%
Standing	Probation	9.2%	12.2%	13.2%
	Dropped	1.7%	2.4%	2.7%
	Returned/Same	76.9%	70.7%	65.6%
Fall-Spring	Returned/Different	3.9%	3.4%	5.2%
Retention	Graduated	1.4%	1.4%	2.0%
	Did Not Return	17.8%	24.5%	27.2%
	Returned/Same	46.0%	40.8%	36.5%
Fall-Fall	Returned/Different	4.4%	7.0%	8.5%
Retention	Graduated	16.6%	8.7%	8.2%
	Did Not Return	33.0%	43.6%	46.8%
	Graduated	21.8%	10.0%	9.9%
Success at	Long Term Success	59.6%	38.9%	35.8%
Departure	Short Term Success	6.1%	14.5%	17.7%
	Unsuccessful	12.6%	36.6%	36.6%
Course	Course Completion	94.7%	89.6%	88.4%
Outcomes	GPA	3.04	2.64	2.65

Table 4. Outcomes Data: 5 Year Averages

Table 5. Degrees Awarded

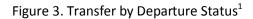
2000 -						
1500 -	1984	2125	1908	1949	2101	2039
1000 -	532	609	584	617	705	712
500 -	5	10	17	28	19	15
0 -				•		
	2008	2009	2010	2011	2012	2013
Engineering Science	5	10	17	28	19	15
MSHC	532	609	584	617	705	712
College	1984	2125	1908	1949	2101	2039

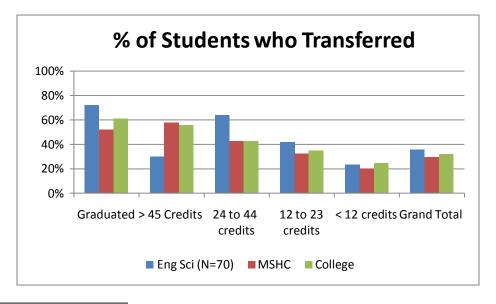
 Table 6: Median Scores for Graduates: Time to Degree and Credits Attempted/Earned

 Median Scores for Graduates (2000, 2012)

Median Scores f	or Graduates	(2009-2013)

	Years to	Credits	Credits	
	Degree	Attempted	Completed	GPA
Engineering	4.0	110	86	3.31
MSCHE	4.8	88	70	3.09
College	4.7	85	68	3.08





¹ Fall 2005- Fall 2009 Cohorts

V. Learning Outcomes and Assessment

A. Program Student Learning Outcomes

Upon completion of this program graduates will be able to:

Solve problems in algebra, trigonometry and calculus. Solve basic problems in science and engineering. Work in teams to implement projects. Use computers for data acquisition and instrumentation control. Communicate technical information using written, verbal and graphical presentations.

Transfer as engineering majors to bachelor's degree-granting institutions.

B. Outcomes Assessments

Student learning outcomes are completed along with a plan for assessment. However, to date no assessment of Program Learning Outcomes has been completed. All course level Student Learning Outcomes have been assessed at least once and have resulted in no changes in the courses. The Department has revised the assessment method and has an aggressive plan to reassess course learning outcomes during the Fall 2014 and Spring 2015 semesters. See Appendix A for results.

C. Quality Viability Indicators

The Quality/Viability Index has been completed for four years with the following results:

Academic Year	Quality Average*	Viability Average*
2010-2011	4	2.7
2011-2012	3.4	2.4
2012-2013	3.0	2.8
2013-2014	3.5	2.0

Table 7: QVI Results (2010-2013)

*Scale is based on a ranking of 1 (lowest) to 4 (highest)

The lower viability average is mainly derived from the lower Fall to Fall Retention and Graduation Rate. Some of the results can be explained by the fact that some students transfer to a four year College or University at the end of their first year in the Program. However, this has not been documented.

VI. Resources

Currently there is one lab for both Engineering Science and Physics courses. This limits the types of experiments that can be done in Engineering Science and cannot accommodate the current number of Engineering students requesting to take the Engineering Design and laboratory courses (ENGR 101 & 202). In addition, Engineering Science students are required to work on student projects using a team approach.

By the end of the Summer 2014 semester a new Engineering Technology lab will have been completed. This should alleviate some of the laboratory space needs indicated above. However, funds will need to

be secured for lab furniture, a smart board and white boards to enable the laboratory space to be completely viable.

VII. Demand

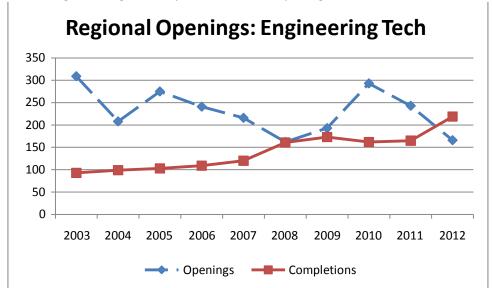
Several occupations within Engineering are currently listed as High Priority Occupations (HPOs) by the State. These include Civil Engineering, Industrial Engineering, and Mechanical Engineering. Although these are at the Bacherlor's level; there are also several at the Associate's level as well: Electro-Mechanical Technicians and Industrial Technicians.

The national growth opportunities for AS level jobs are generally lower than the national average (Table 8), with the exception of environmental engineering technology. Regionally, the number of employment opportunities for AS level positions has outpaced the number of regional AS degree completions over the past 10 years, but this has been closing (Figure 3a). For advanced degrees, completions have outpaced job openings (3b).

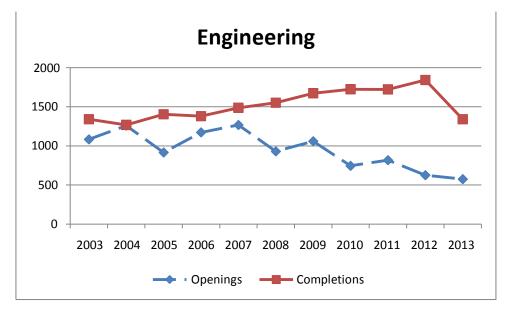
Only one other school in the area offers an Associate's level degree in engineering. Bachelor's degrees are offered by seven area institutions. The Engineering Science Program has Program to Program articulation agreements with Philadelphia University, Temple University and Widener University. The agreements have been recently reviewed and are up-to-date.

		Growth	Mean
		2010-	Annual
	Job Title	2020	Salary
	AeroSpace Tech	0%	\$61,530
S	Civil Tech	1%	\$47,560
ree	Electrical Tech	0%	\$57 <i>,</i> 850
Jeg	Electro-Mechanical Tech	4%	\$51,820
AS Degrees	Environmental Tech	18%	\$45,350
	Industrial Tech	-3%	\$50,980
	Mechanical Tech	5%	\$51,980
	AeroSpace Engineer	7%	\$103,720
	Civil Engineer	20%	\$79,340
es	Electrical Engineer	4%	\$89,630
gre	Environmental Engineer	15%	\$80,890
BS Degrees	Industrial Engineer	5%	\$78,860
BG	Mechanical Engineer	5%	\$80 <i>,</i> 580
	Nuclear Engineer	9%	\$104,720
	Petroleum Engineer	26%	\$130,280
	All Jobs	14%	

Table 8: National Jobs Outlook



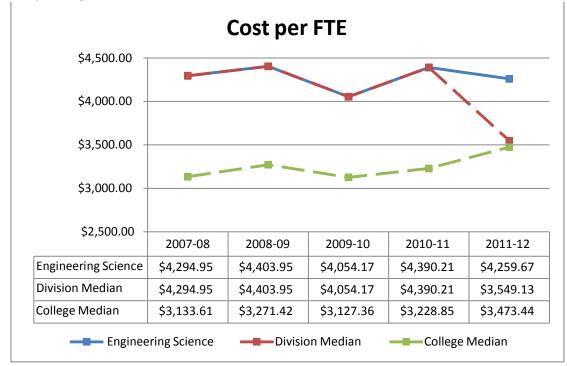
Figures 3a and 3b: Regional Degree Completions and Job Openings



VIII. Operating Costs

Engineering Science's program costs have remained fairly constant over the past 4 years and have been, generally, the same as the median for the Division.

Table 9: Operating Costs / FTE



IX. Findings and Recommendations

 Complete Program Learning Outcome Assessments. At least one Program Learning Outcome should be assessed, analyzed, discussed, and disseminated during the Fall 2014 semester. All Program Learning Outcomes must be likewise completed by the end of the Spring 2015 semester. Program Learning Outcome and Course Learning Outcome assessment results should be discussed at a Department meeting and during the Spring 2015 Advisory Committee Meeting.

> Timeline: One program outcome completed by end of Fall 2014. All program outcomes completed by end of Spring 2015. Persons responsible: Department Chair, Program Faculty.

2. Refine assessment for Course Learning Outcomes and analyzed and communicate results to internal and external constituencies during the Fall 2014 and Spring 2015 semesters. Although course outcomes have been completed for many courses, the results are not clearly documented in an immediately accessible way.

Timeline: Rewrite Course SLO Documents by end of Fall 2014.

Provide evidence of dissemination of results and any changes made to program or courses as a result by end of Spring 2015.

Persons responsible: Department Faculty and Chair, Dean, Director for Academic Assessment.

3. Cultivate Articulation Agreements. Review the Engineering Science Curriculum in light of any curricular or pedagogical changes that are occurring at regional transfer program institutions in order to be sure that course content information is up-to-date. A report on the findings and any resulting action plans is due by Summer 2015. Develop a Program to Program Articulation agreement with Drexel University by Fall 2015.

Timeline: Program review completed by Summer 2015. Articulation agreement completed by Fall 2015. Persons responsible: Department Chair.

4. Two issues exist in the context of program management: 1) students are leaving the program early (for transfer) and not progressing to the second year; and 2) students that do progress to second year are accumulating a large number of credits before graduating. The program needs to investigate and document the reasons for both of these issues.

Timeline: A report of the results prepared and shared with the Dean by Fall 2015. Persons responsible: Department Chair.

5. The program needs to determine ways in which it can stay current with the field of engineering—both in terms of transfer and employment—ensuring that opportunities for student learning are adequate and aligned with the future of the field. To accomplish this, the program needs to inventory laboratory equipment and procedures, internships and/or externships possibilities, increasing diversity within the field, and opportunities for research experiences. These should be compared to requirements and best practices at transfer institutions and within the field of engineering pedagogy. This should begin with discussions at the Spring 2015 Advisory Committee and a report of the findings presented to the Dean by Fall 2015. The findings should include an assessment of the future of the field and how CCPs program fits into that future.

Timeline: Report submitted to the Dean by end of Fall 2015. Persons responsible: Department Chair, Program Faculty.

Name: Wojciech Alex Gontar				Date: _12/04	4/2011 Red	0	
COURSE	STUDENT	ASSESSMENT	SEMESTER	ASSESSMENT	NUMBER OF	NUMBER AND	SUGGESTIONS
AND	LEARNING	METHODOLOGY	EVALUATED	BENCHMARK	STUDENTS	PERCENT	FOR ACTION
SECTION:	OUTCOMES:				EVALUATED	ACHIEVING	PLAN
Engr.102						THE	
						BENCHMARK	
1	Understand the	Tests and discussion		About 75%	44-48	42 students (87%)	
	application of the	on base of real		students in class			
	Problem Solving	engineering projects		will be correct			
	Strategies Method in	taken from two					
	Engineering	manufacturing					
	XX 1	companies					
2	Understand the	Problems solving on		In average at least	44-48	40 students (83%)	
	principles of the design	tests including		75% will be			
	process and how to deal with technical drawings	projections of basic figures		correct			
3	Solving theoretical	Problem solving		About 75% of class	44-48	42students (87%)	
5	problems related to	questions on tests and		will be correct	++-+0	42students (8770)	
	Ohm's Law, basic heat	practical evaluations					
	transfer, applications of	of theories in					
	statistics and discussion	laboratory using					
	of sources of error in	modern engineering					
	engineering	equipment					
	measurement.						
4	Use laboratory	Work on electrical		At least 75%	44-48	44 students (92%)	
	equipment and work	circuits in laboratory		students will be			
	with other students as a	with a team members		correct			
	team						

	Name: _Wojciech Ale		•	Date: _12		Redo	-
COURSE AND SECTION	STUDENT LEARNING OUTCOMES	ASSESSMENT METHODOLOGY	SEMESTER EVALUATED	ASSESSMENT BENCHMARK	NUMBER OF STUDENTS EVALUATED	NUMBER AND PERCENT ACHIEVING THE BENCHMARK	SUGGESTIONS FOR ACTION PLAN
Engr. 202	Understand the application of the CAD Program in the technical drawing	Use Cad Program during Lab. session		Class average will be 80% correct	40-44	40 students (91%)	
	Have a basic knowledge of Geosynthetics and Geotechnical Engineering	Make a Landfill Model as a Laboratory Project		About 80% students will be correct	40-44	40 students (91%)	
	Be able to solve some moderately advanced word problems in Geotechnical Engineering and Geosynthetics	Problem solving problems on test		Over 80% students will be correct	40-44	40 students (91%)	
	Understand AC circuits, Transformators and Transducers	Numerical problems on tests and creating AC circuits during Lab. session		Class average will be 80% correct	40-44	40 students (91%)	
	Know how to use National Instruments' LabVIEW program	Use the LabVIEW program to complete the circuits during a lab session.		Over 80% students will be correct	40-44	40 students (91%)	
	Know how to use the <i>Power Point</i> program	Final Engineering presentation in Power Point		Class average will be over 85% correct	40-44	40 students (91%)	

	Name: Wojciech Alex Gontar Date: Redo						
ENGR 205	STUDENT LEARNING OUTCOMES	ASSESSMENT METHODOLOGY	SEMESTER EVALUATED	ASSESSMENT BENCHMARK	NUMBER OF STUDENTS EVALUATED	NUMBER AND PERCENT ACHIEVING THE BENCHMARK	SUGGESTIONS FOR ACTION PLAN
1.	Understand the relation between the atomic structure and physical properties of materials	Showing different crystalline models in class, discussion, home assignment, tests, final, experiment in Laboratory		On base of 4 tests, H.W. and final at least 80% students will be correct	20-24	20-22 (83%)	
2.	Understand solids on atomic level in terms of bonding and energy	Solving numerical problems, tests, home assignments, final		On base of 4 tests, H.W. and final over 80% students understand the concept	20-24	20-22 (83%)	
3.	Establish a quantitative picture of the structure of crystalline and non- crystalline solids	Field trip to Atomic Force Microscope Lab. at Drexel, tests, home assignments		On base of 4 tests, Lab. Reports, H.W. and final at least 80% students will understand the topic	20-24	20-22 (83%)	
4.	Be able to explain the electrical and magnetic properties of materials and interpret their thermal and optical behavior	Discussion, solving engineering problems in class, home assignments, tests, final experiment in laboratory		On base of 4 tests, H.W. Lab. Reports, and final about 80% students will be correct	20-24	20-22 (83%)	
5.	Understand the methods of materials testing	Trip to Mechanical Testing Lab. at the University of Pennsylvania, solving numerical problems, experiment in Laboratory, tests, H.W. final		On base of 4 tests, Lab. Reports H.W. and final over 80% students will understand the concept	20-24	20-22 (83%)	

	Name: Wojciech	Alex Gontar			12/28/2011	Redo	
ENGR	STUDENT	ASSESSMENT	SEMESTER	ASSESSMENT	NUMBER OF	NUMBER AND	SUGGESTIONS
221	LEARNING	METHODOLOGY	EVALUATED	BENCHMARK	STUDENTS	PERCENT	FOR ACTION PLAN
(Statics)	OUTCOMES				EVALUATE	ACHIEVING THE	
1	Understand the concept	Discussion and		On base of 4	D 20-24	BENCHMARK 20 (83%)	
	and application of	engineering		tests and final, in			
	Statics principles in	structures analysis		average about			
	Engineering	using Smart		80% students			
		Podium, home		will understand			
		assignments, tests		the concept			
2.	Know how to apply	Tests and home		On base of 4	20-24	21-22 (88%)	
	vector operations to	assignments		tests and final, at			
	solve engineering			least 80%			
	problems in Statics			students will be			
2	Be able to analyze	Tests, home		correct On base of 4	20-24	21.22 (880/)	
3.	trusses, frames and	assignments and		tests and final,	20-24	21-22 (88%)	
	machines	discussion in class		class average			
	muemmes	about graphical and		will be 80%			
		analytical methods		correct			
		of solving problems.					
4.	Know how to solve	Discussion,		On base of 4	20-24	21-22 (88%)	
	moderately advanced	graphical		tests and final,			
	engineering problems in	interpretation and		over 80%			
	Statics including	analytical methods		students will be			
	moments of inertia,	of solving		correct			
	centroids, work and	engineering					
	energy and friction,	problems in class.					
	using calculus based	Tests, home					
	mathematics	assignments, and					
		final.					

	Name: Wojciech A				2/28/2011	Redo	
ENGR 222 (Dynamics)	STUDENT LEARNING OUTCOMES	ASSESSMENT METHODOLOGY	SEMESTER EVALUATED	ASSESSMENT BENCHMARK	NUMBER OF STUDENTS EVALUATED	NUMBER AND PERCENT ACHIEVING THE BENCHMARK	SUGGESTIONS FOR ACTION PLAN
1.	Understand the concept of rectilinear and curvilinear motions and know how to use a scientific methods to solve moderately advanced engineering problems in Dynamics.	Discussion in class. Graphical interpretation of motion using Smart Podium. Tests and Home Assignments		On base of 4 tests and final, at least of 80% students will be correct	20-24	21-22 (88%)	
2.	Know how to apply calculus based mathematics in the engineering problems solving of in Dynamics.	Problem solving questions on tests, home assignments, final exam		In average about 80% will understand the concept (on base on tests and H.W.)	20-24	21-22 (88%)	
3.	Understand the concept of work and energy, power, conservation of energy, impuls and momentum theorem, impact, general plane motion, absolute and relative acceleration in the system of rigid body.	Home assignments, tests and final		On base of tests over 80% students will be correct.	20-24	21-22 (88%)	
4.	Identify a scientific engineering problem in Dynamics and be able to solve it analytically and show the solution graphically in three dimensional space.	Problem solving questions on test, home assignments, and final test.		On base of 4 tests, final and H.W. about 80% students will be correct	20-24	21-22 (88%)	

MEETING OF THE BUSINESS AFFAIRS COMMITTEE OF THE BOARD OF TRUSTEES Community College of Philadelphia Wednesday, September 17, 2014 – 9:00 A.M.

Present:

Mr. Jeremiah White, Jr., presiding; Mr. Matthew Bergheiser, Ms. Jennie Sparandara *via* teleconference, Stella Tsai, Esq., Lydia Hernadez Velez, Esq., Dr. Donald Generals, Mr. Gary Bixby, Mr. Harry Moore, Mr. Todd Murphy, Mr. James P. Spiewak and Jill Garfinkle Weitz, Esq.

<u>AGENDA – PUBLIC SESSION</u>

At the beginning of the meeting, miscellaneous items were discussed. In addition, the agenda items were reordered.

Discussion of Miscellaneous Items:

Mr. Spiewak provided a brief update on the activities associated with the Facilities Master Plan. Activities started in September, 2013 with interviews and focus group meetings of various College constituencies. Francis Cauffman Architects presented statistical data comparing College space with other institutions that demonstrated the College's square footage per FTE is below peers and significantly below in relation to athletic facilities. On May 29, 2014, the architects presented, for discussion purposes, three options centered around the creation of a centralized Learning Commons and an additional building. Dr. Generals mentioned that this initial concept has initially been met with different views. In response to a question from Mr. White, Mr. Moore responded that there should be no additional costs associated with a delay in moving forward with the Facilities Master Plan.

Mr. Spiewak stated that, since February, 2014, no further action has taken place regarding leasing space at the Navy Yard at the location originally offered to the College. Dr. Generals noted that he had met with staff from PIDC and additional discussions are planned.

(1) <u>Update on Biology Lab Renovations (Information Item)</u>:

Mr. Spiewak informed the Committee that in August, 2014, the College received official notice from the Pennsylvania Department of Education that the Biology Labs Renovation project was approved. This \$5.9 million project will be financed with a ten year note with the State contributing 50% of the debt service. Mr. Spiewak noted that the College will need to select an architect firm and a bank partner. In response to a question from Mr. White, he noted that the renovation projects in the West Building and at the West Regional Center were designed by a minority architectural firm, UCI.

(2) <u>2013-14 Final Budget Results (Information Item)</u>:

Mr. Spiewak provided an overview of the College's budget results for fiscal year 2013-14. He referred the Committee to the charts in <u>Attachment A</u> (2013-14 Final Budget Results), noting that the College began the year with a potential use of carry-over funds in the amount of \$1,618,026 in the Board-adopted budget and the year ended with operating revenues exceeding operating expenses by \$2,238,000. Final revenues of \$125 million were \$2.75 million or 2.3% higher than the original budget. Tuition and fee revenues were positively impacted by credit enrollments exceeding the budgeted credit FTEs by 379 FTEs or 2.6%. This led to student tuition and fees being \$1.85 million higher than budgeted. Final expenses of \$122.8 million were \$1.1 million or .9% lower than the original budget. Total operating expenditures ended the year \$1,089,000 less than budgeted. Fringe benefit costs exceeded the budget by \$1.16 million due to higher-than-budgeted medical cost claims. Through tight budget management, approximately \$1.1 million in salary budgets and \$1.14 million in other budgets were not expended.

Mr. Spiewak noted that even though there were some senior level and dean level vacancies, most of the 2013-14 budget objectives outlined in the 2013-14 College Budget were achieved. Some examples are as follows:

- Degree Works implemented
- Conversion to Canvas as Learning Management System
- My GPS implemented
- Re-testing and workshops for students who tested at developmental level
- 13 Smart Classrooms created
- Middle States process successfully completed
- Online Scholarship Process developed
- Single Stop opened October, 2013. (government benefit screening and referrals, tax preparation services, healthcare enrollment, financial counseling and legal assistance workshops
- Home Page Re-design completed
- Customer Relationship Management (CRM) system implemented April, 2014 (data integration, communications plan, events portal, group chat, prospect portal)
- Student Loan Default addressed via EdFinancial rate decreased reversing the increasing trend
- Facility Master Plan process started
- Completed Chemistry, Biochemistry, Engineering and Research Labs
- Online Payment Plan Process initiated
- FAMIS work order system in Facilities being built
- Wi-Fi enhancements in CBI and West Buildings
- Continued conversion from Sun/Solaris to Redhat

Mr. Spiewak briefly discussed the budget reports that were distributed with the agenda. He noted that credit FTEs exceeded the budget by 379 FTEs or 2.6% and that, with the exception of the summer 2014 semester, the credit FTEs for fiscal year 2014 exceeded those of fiscal year 2013. Mr. Spiewak also discussed where there were significant variances in revenues and expenses from the original budget and the reasons for the variances.

Mr. White noted that management makes recommendations on the utilization of excess revenues. For the budget year ending June 30, 2014, management recommended that \$2 million of the excess revenues be transferred to the Plant Fund for campus expansion projects. The Board and staff discussed strategies for increasing enrollments and the need to review alternative tuition pricing strategies.

Dr. Generals and Mr. Spiewak discussed the use of institutional contingency funds for fiscal year 2014-15 for a contract with Civitas Learning, a technology, analytics and student success research company; for a consulting firm to assist the College in improving its emergency response management planning and to perform a security assessment; and for a consultant to assist with the academic assessment process.

(3) <u>Update on Construction Budget – NERC, Pavilion, BMW, Landscaping</u> (Information Item):

Mr. Spiewak distributed an updated budget (<u>Attachment B</u>) reflecting the sources of funds and the costs of the completed Northeast Regional Center, Pavilion Building, and Bonnell, Mint and West Buildings renovation projects. This was compared to the budget originally presented to the Board in 2008. Staff noted that the final costs, including some landscaping expenses, were less than presented to the Board in 2008 and that the sources of funds had some variances. Originally, the projects assumed using \$5 million of reserve funds. The updated project budget reflects the use of \$3.5 million of reserve funds which is the value of transfers of surplus revenues from the operating budget from the last three fiscal years. It also anticipates recoveries as a result of litigation against Burt Hill. Capital campaign proceeds and interest earning from construction funds were less than originally budgeted. Based upon this revised budget, \$1,640,000 is available to complete the landscaping in front of the Pavilion Building, install landscaping at 18th and Spring Garden Streets, complete the black box theatre, and correct HVAC issues on the ground floor of the Bonnell Building.

(4) <u>Landscape Plan for 17th Street (Information Item)</u>:

Staff discussed the status of the Public Art project which has a budget of \$260,000, noting that the internal Public Art committee will re-convene to determine if a pocket park at 18th and Spring Garden Streets is still the most desirable location. At the time this location was selected, the landscape vision plan had not been completed. Board members expressed interest in having a signature element within the landscaping planned for the area in front of the Pavilion Building.

(5) <u>Next Meeting Date</u>

The next regularly scheduled meeting of the Committee will take place on Wednesday, October 15, 2014 at 9:00 A.M. in the Isadore A. Shrager Boardroom, M2-1.

AGENDA - EXECUTIVE SESSION

(1) Update on Lease Negotiations and Litigation

The remainder of the meeting was devoted to an executive session to discuss litigation and lease issues.

JPS/Im Attachments BAC\0914MINUTES.DOC

ATTACHMENT A

2013-14 FINAL BUDGET RESULTS

	Actual FY 12-13	Budgeted FY 13-14	Actual / Projected FY 13-14	Actual FY 14 vs Budgeted FY 14	% Variance
	-				
Summer 2	1,837	1,829	1,865	36	1.99%
Fall	12,825	12,309	12,950	641	5.21%
Spring	12,878	12,455	12,739	284	2.28%
Summer 1	2,691	2,750	2,547	(203)	-7.38%
Credit Year-to- date Totals - Annual FTEs <u>NONCREDIT</u>	15,115	14,672	15,051	379	2.58%
Summer 2	93	94	58	(36)	-38.30%
Fall	598	686	525	(161)	-23.47%
Spring	561	603	382	(221)	-36.65%
Summer 1	186	268	133	(135)	-50.37%
Noncredit Year-to-date Totals -					
Annual FTEs	719	826	549	(277)	-33.49%

Community College of Philadelphia Enroliment Information (FTEs) for Fiscal Year 2013-2014

66

Community College of Philadelphia Operating Budget Projections Fiscal Year 2013-2014

<u>REVENUES</u>	Original Budget	Final Results at June 30, 2014
Student Tuition and Fees	\$73,549,267	\$76,686,006
Commonwealth of Pennsylvania	28,226,906	28,179,310
City of Philadelphia	18,843,343	18,457,126
Other Income	1,687,400	1,754,677
TOTAL REVENUES	\$122,306,916	\$125,077,119
EXPENSES		
Salaries, Net of Lapsed Funds	\$72,164,281	\$71,063,906
Fringe Benefits	31,177,700	32,333,957
Other Expenses	20,407,960	19,259,994
Student Financial Aid	175,000	181,307
TOTAL EXPENSES	\$123,924,941	\$122,839,164
Projected (Deficit) Surplus *	<u>(\$1,618,025)</u>	<u>\$2,237,955</u>

Transfer of funds to Plant Fund for Campus Expansion Projects

Increase to Unrestricted Fund Balance

\$2,000,000

<u>\$237,955</u>

* Prior to impact of GASB45 accrual

.

Community College of Philadelphia Operating Budget Projection Fiscal Year 2013-2014

Т		Final Results at	
OPEDITING RECEIPTOR	Original Budget	June 30, 2014	-
OPERATING REVENUES	400 000 000	*** ***	
State Funding	\$28,036,906	\$28,036,906	
State Lease funding	190,000	142,404	<u> 문제 이제 가장은 수밖에 관했다. 것 문화가 이가 생각 있는 것</u> 것
Total State Revenues	28,226,906	28,179,310	
Tultion - Credit Students	60,559,252	64,089,836	Reflects higher than budgeted credit enrollments and a change in the billing policy related to student withdraws prior to the census date.
Technology Fee	10,196,700	10,753,470	Reflects higher than budgeted credit enrollments and a change in the billing policy related to student withdraws prior to the census date.
Net Contribution from: Contracted Noncredit Instruction; Other Noncredit Instruction; Adult Community Noncredit Instruction		438,626	Reflects actual contributions from noncredit and other special programs.
Course Fees	3,291,615	3,491,609	Reflects higher than budgeted credit enrollments and a change in the billing policy related to student withdraws prior to the census date.
Student Regulatory Fees	957,200	1,195,462	Reflects impact on new late fee associated with the student payment plan option.
Fuition Adjustments - Student Receivable Write-offs, Collection Costs, Credit Card Costs & Senior Citizen Discount	(2,007,000)	(3,282,997)	Reflects higher than budgeted write-offs, associated with the change in the billing policy, and higher than budgeted discounted tuition.
Total Student Tuition & Fees	73,549,267	76,686,006	
City Operating Funds	18,843,343	18,457,126	Reflects the use of City appropriations for the completion of West Building projects.
			Interest earnings were lower than budgeted but total investment income was aided by unrealized gains on
nvestment Income	660,000		longer-term investments.
ocational Education Funding	200,000	163,503	
ndirect Costs, Administrative Allowances	300,000	306,099	
arking Proceeds & Miscellaneous Income	527,400	591,335	
Total Other Income	1,687,400	1,754,677	· ·
OTAL OPERATING REVENUES	\$122,306,916	\$125,077,119	

Community College of Philadelphia Operating Budget Projection Fiscal Year 2013-2014

.

		Final Results at	
	Original Budget	June 30, 2014	
	· · · · · · · · · · · · · · · · · · ·		
OPERATING EXPENSES			
Salaries	15 343 060		
Full-Time Administrative Salaries	15,342,969 (600,000)		
Less: Projected Lapsed Salaries	1000,0001		Reflects savings due to multiple administrative
Net Full-Time Administrative Salaries	14,742,969	14,191,006	
Net Full-Time Administrative Salaries	14,742,505	14,191,000	Valancies during the year
Full-Time Faculty Salaries	28,274,336		
Less: Projected Lapsed Salaries	<u>(150,000)</u>		이상 가는 것 같아요. 이상은 동네는 것 같아? 동네가 들었다. 이상 가는 것을 수 있다. 같아요. 이는 것은 것은 것은 것은 것은 것은 것을 가지 않는다. 것은 것이 같아요. 이상 가는 것이 같아요. 이상 가지 않는다. 이상 가지 않는다. 이상 가지 않는다. 이상 가지 않는다. 이상 가지 같아요. 이는 것은 것이 같아요. 이상 가지 않는다. 이상 가지 않는
Net Full-Time Faculty Salaries	28,124,336	28,716,253	Higher number of VLs utilized than budgeted.
	<u></u>		<u> </u>
Full-Time Classified Salaries	10,749,777		
Less: Projected Lapsed Salaries	<u>(600,000)</u>		
			Reflects savings due to higher than anticipated
Net Full-Time Classified Salaries	10,149,777	9,780,086	classified and confidential vacancies.
Subtotal - Full-Time Salaries	53,017,082	52,687,345	
			£
			Reflects black and have buildened number of sections
			Reflects higher than budgeted number of sections
Part-Time & Overload Credit Salaries	9,814,525	10,196,803	offered for the Fall and Spring semesters. Reflects lower than budgeted number of sections
	A 133 376	9.010 500	offered during the summer terms.
Summer Credit Instruction Part-Time & Overload Non-Credit Salaries	4,322,276 316,956	403,226	Unered during the summer comits.
Part-Time & Overload Non-Credit Salaries	01020	405,220	
	이는 것은 것은 것은 것이 있다. 것은 것은 것은 같은 것은 것은 것이 있는 것이 같은 것이 없다.		Reflects savings in the following budget lines: Part-
			time Administrative, Extended Time Payments,
All Other Salaries	4,243,442	3,719,696	그는 영양에 들었다. 가슴 방법을 통하는 것은 것을 것을 수 없습니다. 가슴에 가슴 방법을 가지 않는 것을 하는 것이다. 나는 것이 있는 것을 하는 것을 수 있다. 것을 하는 것을 하는 것을 하는 것을 하는 것을 하는 것을 수 있다. 가슴에 가슴에 가슴에 가슴에 가슴에 가슴에 가슴에 가슴이 있는 것을 수 있다. 가슴에 가슴에 가슴에 가슴에 가슴이 가슴이 있는 것을 수 있다. 가슴에 가슴에 가슴에 가슴에 가슴이
			Reflects lower than budgeted staff requesting the
Early Retirement Incentive Payments	450,000	238,336	Retirement Incentive Option.
Subtotal - Other than Full-Time Salaries	19,147,199	18,376,561	
		=4 000 000	
Total Salaries	72,164,281	71,063,906	
Fringe Benefits		•	
	an an an a' sa an		Reflects higher than budgeted claims, including sever
Medical Program	20,264,000	21.893.925	claims that exceeded the stop loss limit.
Retirement	5,542,800	5,596,493	
ICA	3,066,400	2,951,308	
Fuition Remission	700,000	605,539	
			Reflects increased premium rates effective January 1,
Sroup Life	370,800	and the second	2014 after a 3-year fixed rate contract expired.
Inemployment Compensation	366,400	161,515	- The state of the
Norkers' Compensation	271,700	334,298	Reflects premium cost higher than budgeted.
· · · · · · · · · · · · · · · · · · ·		(40.007)	Reflects employees using their accrued vacation time
Jnused Vacation	228,400		at a higher than typical rate.
Disability Premium	272,200	283,508	
Forgivable Education Loan	95,000	133,911	
	31,177,700	32,333,957	
Total Fringe Benefits	31,177,700		

Community College of Philadelphia Operating Budget Projection Fiscal Year 2013-2014

	Original Budget	Final Results at June 30, 2014	-
Facility Expenses	· · · · · · · · · · · · · · · · · · ·		
Utilities	2,398,610	1.778.733	Reflects savings from electricity procurement and energy saving strategies and lower than budgeted costs for natural gas.
	• • • • • •		Reflects increased cost based upon contractual requirements of unionized security guards, effective
Contracted Security	1,360,880		January 1, 2014
Contracted Cleaning	1,100,000	1,046,932	Reflects cost associated with internal building
All Other Facility Expenses	2,001,872	2,186,857	renewal in anticipation of Middle States visit.
Total Facility Expenses	6,861,362	6,422,126	
All Other Expenses Leased Equipment & Software	4,554,646	4,461,498	State of the state o
Catalogs and Advertising	1,251,471	1,173,988	
Supplies-Pool	1,469,430	1,083,748	Reflects savings across multiple departments.
			Reflects use of temporary services in place of vacant
Contracted Services	1,377,304	1,584,424	positions.
Consultant	783,450		includes cost of Presidential Search consultants.
Maintenance & Repairs	524,609	520,464	
			Reflects savings from continued improvements in communicating with students by means other than
Postage	428,600	342,847	mailings,
Insurance	635,000	609,950	
Legal Fees	200,000	781,020	Reflects cost associated with the Burt Hill litigation.
			Reflects savings in other budget lines including
Other Expenses	2,322,088	1,547,517	contingency accounts.
Total All Other Expenses	13,546,598	12,837,868	
King Scholarship	175,000	181,307	
TOTAL OPERATING EXPENSES	\$123,924,941	\$122,839,164	
Projected (Deficit) Surplus *	(\$1,618,025)	\$2,237,955	· · · · · · · · · · · · · · · · · · ·
Transfer of funds to Plant Fund for Campus Expansion			
Projects		\$2,000,000	
ncrease to Unrestricted Fund Balance		\$237,955	

* Prior to impact of GASB45 accrual

70

ATTACHMENT B

CONSTRUCTION BUDGET - NERC, PAVILION, BMW, LANDSCAPING

8/26/2014

8/26/2014	• · ·	rtu al /Du ata ata d
PROJECTED USE OF FUNDS	Original Budget	Final/Projected Costs
Northeast Regional Center	31,649,627	31,014,540
Pavilion Building	31,382,235	34,291,259
Bonnell, Mint & West Building Renovations	24,120,138	20,855,952
17th Street Landscaping - Biddle \$131,766 plus lights		244,942
Bulbout & Street work		200,000
TOTALS	87,152,000	86,606,693
FUNDING SOURCES	• • •	
Bond Proceeds	74,000,000	74,000,000
Bond Proceeds Interest Earnings	1,699,781	1,078,624
Projected Use of College Resources	5,000,000	
Fy 11-12 Year-end Close Transfer		500,000
Fy 12-13 Year-end Close Transfer		1,000,000
Fy 13-14 Year-end Close Transfer		2,000,000
Miscellaneous Real Estate Transactions	374,724	305,000
Capital Campaign Proceeds	-	-
Barnes and Noble	1,000,000	1,000,000
EDA Grant	1,641,473	1,641,473
Federal SBA Grant	282,000	282,000
State Redevelopment Assistance (RACP) Grant	1,000,000	995,000
Federal SBA Earmark - NERC	-	10,152
Other Capital Campaign Proceeds	3,076,527	2,518,324
Other Gifts	•	
Balance of Five Star Inc. set aside		196,657
Five Star Inc. Settlement - from FY11-12 Capital	·	295,000
McLean Tree Grant	· · · ·	24,975
Recoveries from Burt Hill Claim		2,400,000
TOTALS	88,074,505	88,247,205
Dollars Remaining for Landscaping, External Signage	:	
and Contingency	922,505	1,640,512
Potential Uses		
Landscaping Pavillion		9 00,000
Landscaping 18th & Spring Garden Street		300,000
Black Box Theatre		300,000
HVAC Fixes		100,000
EC Window Fixes		?
		n

1,600,000

?

Bursar Counter Fixes