League.org CCTI
FOR INNOVATION IN THE COMMUNITY COLLEGE
College and Career Transitions Initiative

CCTI IMPROVEMENT PLAN

Site Partnership: | **Central Piedmont Community College (CPCC)**

Outcome #1: Reducing the need for remediation of students entering post secondary education.

Strategy	Target Group	Action Steps	Deadline for each step
• Berry Academy of Technology (BAT) will provide academic assistance via extended day tutoring program for students enrolled in the Computer Science & Information Technology Academy (CS&ITA), deficient in Reading, Mathematics and Computer Competency, as measured by NC State Competency Tests.	• Berry Academy students in grades 9, 10, 11, and 12.	• Have the Instructional Accountability Facilitator analyze test scores to set up structured, required tutoring for students not meeting expectations – tutoring sessions will be held after the normal school day and/or at Saturday school.	• 09/05 – 06/06 (Continuous process)
• Use state student performance testing data to identify areas of deficient CS&ITA student performance and assist teachers in devising ways of making meaningful use of the data to re-teach to achieve higher student performance on state tests.	• High school administra-tors, counselors, and faculty.	• Provide BAT teachers with disaggregated test data and provide appropriate professional development on how to use the data to re-teach for mastery learning. • Provide time (90 minutes per week) for BAT teachers' interdisciplinary team professional development during the school day	• 09/05 – 06/06 (Continuous process) • Weekly 09/05 – 06/06
• Use Central Piedmont Community College's (CPCC's) placement test (Accuplacer) to give BAT students college placement information.	• BAT students in grades 10, 11, and/or 12.	• Give Accuplacer test early enough in BAT students' high school career to allow necessary remediation at the high school level.	• Spring 06
• CPCC's partnership coordinator and additional staff will provide additional counseling for BAT faculty, counselors, and students on college entry requirements and remediation requirements.	• All BAT personnel including students.	• Provide increased information on college entry requirements, remediation required (as required by college placement tests), and the adverse effects of required remediation at the college level.	• Fall 05 – Spring 06

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Outcome #2: Increasing enrollment and persistence in postsecondary education.

Strategy	Target Group	Action Steps	Deadline for each step
• Develop pathways handouts for use in counseling (CPCC, BAT, CMS, DPI, and NCCCS)	• High school and college counselors, faculty, and administrators.	• Edit pathways for printing and send copies to reproduction in order to distribute to the target audience.	• Mar 2006
• Make the secondary student population aware of program opportunities and program requirements for the Information Technology programs at CPCC.	• High school administrators, counselors, and faculty.	• Provide detailed curricula descriptions with all necessary CPCC reference / guidance information for counseling staff and IT faculty at the secondary level (grades 9-12).	• Mar 2006
• Develop simplified pathways documents for BAT students and parents.	• BAT and general CMS students and parents.	• Develop simplified pathways documents for each curriculum and send copies to reproduction in order to distribute to the target audience.	• Mar 2006
• Present pathways to CMS principals and administrators.	• CMS principals and administrators other than the BAT administrators.	• Schedule meetings with CMS principals and administrators in order to present the fully developed pathways.	• Mar 2006
• Plan and execute a state-wide meeting for disseminating CCTI information prior to the League CIT 2006 in Charlotte.	• All state college and high school faculty and administrators in IT.	• Develop the plan in conjunction with the League and CPCC steering committee for the CIT 2006.	• Oct 2006
• Present career awareness training to BAT students using "Bridges to the Future".	• BAT IT academy students.	• Help BAT students develop a better career awareness by using the package "Bridges to the Future" to better demonstrate the different IT careers available.	• Fall 2005 and Spring 2006

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Outcome #3: Improving academic and skill achievement at secondary and postsecondary levels.

Strategy	Target Group	Action Steps	Deadline for each step
• BAT will provide instructional strategies based on learning-centered innovations such as learning communities, classroom assessment techniques, project-based learning, service learning, and /or problem-based learning.	• High school administration, counselors, and faculty.	• Organize BAT teachers within an academic interdisciplinary team of teachers who share common planning time during the school day. • Provide the interdisciplinary team with quality, sustained professional development in how to develop and implement the elements outlined in the strategy.	• Ongoing • Ongoing
• BAT will provide instructional strategies based on learning-centered practices such as collaborative learning, contextual learning, active learning, and brain-based learning.	• High school administration, counselors, and faculty.	• Organize BAT teachers within an academic interdisciplinary team of teachers who share common planning time during the school day. • Provide the interdisciplinary team with quality, sustained professional development in how to develop and implement the elements outlined in the strategy.	• Ongoing • Ongoing
• BAT will find 30 internships for BAT senior class members in Fall 2005 with a similar or greater number in Spring 2006 and Summer 2006.	• BAT administra-tors.	• Paid internships for all BAT IT students is a BAT goal. BAT administrators with the help of the TechConnect staff will seek to find paying positions for all BAT IT seniors during their senior year of classes.	• Ongoing
• BAT will use formative academic and employability assessments to alert BAT students to academic or skill deficits they may have.	• High school administrators and counselors.	• BAT students will be given the quarterly mini-assessments benchmarked to the NC state testing system's End of Course (EOC) tests in ten academic courses: English I, Algebra I, Geometry, Algebra II, Physical Science, Biology, Chemistry, Physics, ELP, and US History. • BAT students will be given the Armed Service Vocational Aptitude Battery and other assessments to identify career interests and employability aptitudes, strengths and weaknesses.	• Quarterly • Quarterly

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Outcome #3: Improving academic and skill achievement at secondary and postsecondary levels.

Strategy	Target Group	Action Steps	Deadline for each step
• BAT will use formative academic and employability assessments to alert CS&ITA students to academic or skill deficits they may have. (continued)	• High school administrators and counselors (continued)	• BAT students will be given the High School Survey of Student Engagement (HSSSE), and the BAT IT students will be over-sampled to establish baseline criteria for improvement.	• Spring 06
		• BAT students will be given the NC State Career & Technical Education standardized test: VOCATS to establish baseline criteria for improvement in IT courses.	• Spring 06
		• BAT team teachers will use the array student performance data to generate proscriptive instructional approaches to improve student performance.	• Ongoing
		• Collaborate with TechConnect / Charlotte Chamber of Commerce to establish a TechConnect chapter at BAT.	• Ongoing – 2 club sections continue to be filled at Berry during 2005
• Engage BAT students with IT co-curricula TechConnect Club, with IT curriculum taught by IT professionals from local business and industry.	• TechConnect volunteers and high school faculty sponsors.	• Collaborate with local business and industry, CMS, and other entities to Serve on Chamber Elearning committees and TechConnect Advisory Board.	• Ongoing
	• CPCC faculty and CCTI Coordinator	• CPCC will provide BAT faculty with updated IT Academy course offerings and will assist those faculty desiring to upgrade their skills in registering and completing said courses.	• Ongoing
• Raise the level of BAT faculty preparation for certification classes by providing increased opportunities for their attendance at IT Academy classes held at CPCC.	• High school faculty and CPCC IT Academy instructors.		

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Outcome #4: Increasing the number of postsecondary degrees, certificates, and licensures.

Strategy	Target Group	Action Steps	Deadline for each step
• Align the IT curricula of NC and CPCC with national standards.	• All NC Community College System (NCCCS) colleges	• Use the NCCCS IT Curriculum Improvement Project with the help of the Nationals Skill Standards Board (NSSB), Department of Public Instruction (NC K-12 governing body) and the four-year UNC system to align the NCCCS IT Curriculum standards and the NCCCS Common Course Library (CCL) with national standards.	• Nov 2005
• Develop a comprehensive list of courses for the Charlotte Mecklenburg School (CMS, K-12) System for the College Experience (dual enrollment) courses to be used by CPCC and CMS for the 2006-2007 CMS term.	• CPCC IT program chairs, CCTI co-ordinator, and BAT administra-tors.	• Conduct meeting and email sessions to determine the appropriate courses which may become the dual enrollment pathway courses for the next school term.	• Nov 2005
• Bring all CPCC IT curricula into compliance with newly established NCCCS standards.	• CPCC IT curricula	• The CPCC CCTI coordinator and IT program chairs will realign the CPCC IT curricula in accordance with the newly established NCCCS standards.	• Jan 2006
• Develop new high school pathways in accordance with the newly established NCCCS standards.	• CPCC IT program chairs, CCTI co-ordinator, and BAT administra-tors.	• Meeting as necessary, CPCC IT program chairs, the CCTI coordinator, and BAT administrators will redraw the IT pathways for the CCTI models using the newly curricula standards.	• Feb 2006
• Develop a new high school pathway for the new Simulation and Game Development curriculum.	• CPCC program chair, CCTI coordinator, and BAT administra-tors.	• Meeting as necessary, CPCC IT program chairs, the CCTI coordinator, and BAT administrators will redraw the IT pathways for the CCTI models using the newly curricula standards.	• Feb 2006

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Outcome #4: Increasing the number of postsecondary degrees, certificates, and licensures.

Strategy	Target Group	Action Steps	Deadline for each step
• Design BAT programs of study such that students are qualified to earn recognized IT certifications while in high school, to include, but not be limited to: A+, Net+, MCP, MOUS, CCNA	• High school administra-tors, counselors, and faculty.	• Design each BAT program of study to include the requisite, sequenced courses leading to certification opportunity in identified areas and align with new NCCCS course requirements as far as possible. • BAT programs of study require all students to complete a business / industry based, paid or non-paid guided internship course for high school credit. This will be done in collaboration with TechConnect / Charlotte Chamber of Commerce whenever possible.	• Mar 06 • Ongoing

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Outcome #5: Improving entry into employment and/or further education.

Strategy	Target Group	Action Steps	Deadline for each step
• Explore new developments in IT and develop plans for curriculum implementation of the courses needed at the high school and college level.	• CPCC IT Division, BAT administra-tors, and TechConnect Advisory Board	• Survey industry needs in the Charlotte/NC region. • Analyze selected IT courses against national skills standards and needs. • Determine new curricula to be delivered at CPCC • Add new courses developed for the new curriculum to the College Experience (Dual Enrollment) course list for CMS and CPCC. • Pilot new tracks for TechConnect clubs which help introduce and teach about the opportunities in the new curriculum being developed.	• Ongoing • Ongoing • Oct 05 • Nov 05 • Fall 05
• Explore the addition of IT-related, but not strictly IT, tracks for TechConnect after-school clubs.	• TechConnect Advisory Board, CCTI coordinator, Charlotte Chamber of Commerce Elearning Committee.	• Conduct area surveys to look for emerging careers which are IT related, but not strictly IT in the Charlotte area and determine needs and resources to implement new TechConnect clubs based on the emerging careers.	• Fall 06
• Maximize student opportunity to meet and work with potential employers.	• CPCC Student Services staff, industry volunteers, and CPCC faculty.	• Conduct Job Fairs to bring potential employers and students together. • Provide co-operative work positions and internships with potential employers.	• Ongoing - Conducted each fall and spring semesters. • Ongoing