

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Air Conditioning Technology	Students will be able to demonstrate knowledge of Comb. Theory.	Related components on the ESCO exam.	90% of the students will be able to score 67% or higher on these components on the ESCO exam.	April
Air Conditioning Technology	Students will be able to identify the proposed function of the various electrical components.	ESCO Examination - components related to identifying the function an purpose of the various electrical components.	90% of the students will be able to score 68% or higher on these components on the ESCO exam.	April
Air Conditioning Technology	Students will be able to utilize a volt/ohm and amp meter to diagnose electrical equipment. (This is a follow-up of the 2013-2014 outcome to construct various types of electrical circuits)	Diagnostic simulations of electrical equipment using ESCO.	90% of the students will score 69 or higher on these components on the ESCO exam.	April
Architectural Technology	In ACH 100 – Construction Documents I - students will conduct research on emerging technologies related to residential construction and correctly incorporate that information onto construction drawings. Applicable program competencies: Produce construction documents for residential and commercial structures utilizing hand drafting and current computer-aided drafting technology Apply the results of research of a variety of information sources to building designs.	Faculty Evaluation/rubric	All students will score 75% or better on rubric that will judge their ability to find appropriate research topics, correctly relate the research to their construction drawings, and accurately convey the research using proper construction language and drafting techniques.	April

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Architectural Technology	In ACH 110 – Survey of the Architectural Profession – through group discussion both in-class and electronically, students will be able to prepare brief analysis of concepts discussed in the textbook both in writing and verbally Applicable program competency: Analyze architecture utilizing aesthetic principles and conceptual building organizations.	Faculty Evaluation/rubric	All students will score 75% or better on rubric that will judge their ability to understand the area of analysis, correctly format their analysis, and to actively participate in group discussions.	March
Architectural Technology	In two sections of ACH 170 – Theory and History of Architecture II - students will be able to recognize major historical influences present in selected examples of modern architecture. Applicable program competency: Apply architectural historical concepts and theories to building designs.	Faculty evaluation	All students will be able to recognize 75% of the historical influences.	May

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Automotive Technology	Students will be able to demonstrate to power flow through a standard transmission	Students will be able to demonstrate the proper power flow through a 3, 4, 5 and 6 speed transmission.	90% of the students will score 80% or better on the standard transmission lab performance exam.	November
Automotive Technology	Students will be able to handle and properly store automotive refrigerants.	100% of the students will take and pass the component of the ASE certification test on the handling and storage of automotive refrigerants.	100% of the students will score the acceptable pass score of 75% on the ASE refrigerant and recovery exam.	April
Automotive Technology	Students will be able to perform brake bleeding procedures on all automotive hydraulic braking system.	Lab performance test.	95% of the students will score 90% or better on the lab performance test for Brake Bleeding Procedures.	September
Biotechnology	Demonstrate ability to recognize and employ select biochemical and molecular biology methods for analysis of protein, and nucleic acid structure and function.	A multiple-choice graduation test taken by biotechnology seniors on the annual assessment day	90% of all graduating student will score at least an 80% on the graduate survey.	May
Biotechnology	Demonstrate the ability to organize, synthesize, and present information in an appropriate style based upon the intent of the communication, as well as the target audience.	1) A course-embedded writing and oral assignments evaluated using a biotechnology faculty-developed grading rubric. 2) Graduation Survey self-assessment completed by seniors on the annual assessment day.	Successful students will score at least an 80% on the grading rubric and or graduate survey.	May
Biotechnology	Students will be able to follow SOPs, protocols, and procedures.	Student laboratory notebooks will be assessed for inclusion and completeness of SOPs, protocols, and procedures, using established rubrics.	90% of students will score at least 80% on components relating to SOPs, protocols, and procedures as assessed by rubrics.	May

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Business, Marketing, and Management	SLO 1 - Demonstrate an understanding of the current financial instruments and financial institutions used in Real Estate transactions.	A mandatory quiz on real estate finance will be administered in REA100 during the Spring 2015 semester.	The achievement target is: 75% of students will score 70% or higher on the finance quiz.	April
Business, Marketing, and Management	SLO 2 - Demonstrate an understanding of successful promotion techniques to attract customers.	Using a rubric for evaluation, MKT 290 students will complete an assignment related to promotion techniques.	80% of students will score 70% or higher on the assignment.	April
		NOCTI exam	At least 50% of students taking the exam should score at the national average or above.	April
Business, Marketing, and Management	SLO 3 - Demonstrate an understanding of the functions of management - planning, organizing, leading, and controlling.	MGT 284 students will complete the post-test for Core Competencies in Business Management and Marketing.	MGT284 students taking the post-test will score at least 10 points (20%) higher on average than MGT160 students taking the pre-test. 70% of the students will respond to questions related to the functions of management with 60% accuracy.	April
		NOCTI exam	At least 50% of students taking the NOCTI Management exam should score at the national average or above.	April

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CADD	Students will be able to create three-dimensional models from two-dimensional drawings. (PLO 20)	In the parametric modeling course, students will use two dimensional drawings to create a three dimensional model that will be evaluated using a 1-5 rubric.	All students will score 3 or higher on the rubric.	December
CADD	Students will demonstrate knowledge of trigonometry. (PLO 24)	Five point rubric on module or group of assignments. The students will be provided written instructions and will be evaluated on the ability to follow the instructions and will perform trigonometric constructions on a group of assignments (modules).	Students will be able to score at least a 3 on their module or group of assignments.	December
CADD	Students will demonstrate teamwork skills by participating as a member of a team. (PLO 30)	1. Peer Evaluations 2. Instructor Evaluation of contributions to the team project. Both Evaluations will utilize a 1-5 Rubric	All students will score a 4 or higher on a 1-5 rubric.	December

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Civil Engineering	SLO 2 - Design a typical highway through planning surveying and mapping.	Capstone Project in CET 280. The project will include quizzes, participation, discussion, and written plan. A rubric that will be developed by the instructor will incorporate all of the various methods of measurement.	Once the rubric has been established, the acceptable levels for success will be identified by the faculty.	May
Civil Engineering	Students will be able to apply computer design software to highway design procedures.	Rubric for project that generates 3D plan design.	All students will achieve 75% or higher on the rubric assessing their 3D plan design.	December
Civil Engineering	Students will be able to demonstrate concrete testing procedures.	Slump Test	100% of the students will demonstrate procedure by accurately performing Slump Test.	December

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Collision Repair	Students will be able to demonstrate basic skills in computer operations and/or software applications. (PLO 30)	Students will be given a project lasting 2-3 weeks requiring computer and/or software applications. A rubric, based on industry entry standards will be used to evaluate the project.	75% of the students will successfully meet industry entry standards based on the rubric evaluation.	December
Collision Repair	Students will be able to prepare and prime for painting auto panels. (PLO 1)	Students will be given a project lasting 6-8 weeks requiring preparation, priming and painting auto panels. A rubric, based on industry entry standards will be used to evaluate the project.	75% of the students will successfully meet industry entry standards based on the rubric evaluation.	December
Collision Repair	Students will be able to weld structural components on automobiles. (PLO 13)	Students will be given a project lasting 6-8 weeks requiring welding of structural components on automobiles. A rubric, based on industry entry standards will be used to evaluate the project.	75% of the students will successfully meet industry entry standards based on the rubric evaluation.	December

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Computer and Information Technology	Students demonstrate the ability to work cooperatively and contribute to group work.	Students will successfully participate in group work within the CIT 291 Capstone course at BCTC.	80% of BCTC CIT students taking CIT 291 from BCTC will earn a grade of 70% or higher in the area of group work participation and effectiveness.	October
Computer and Information Technology	Students will successfully complete a project in the CIT 291 capstone course.	Students in CIT 291 successfully complete and earn a grade of 70% in the CIT 291 capstone project.	Eighty percent will score 70% or higher on this component of the capstone project.	October
Computer and Information Technology	Students will utilize critical thinking skills to address problem identification and project planning and implementation while designing an entire system.	Capstone project - utilizing critical thinking skills problem identification and project planning and implementation.	80% will score 70% or higher on their ability to problem identify problems and design solutions.	October
Computerized Mfg. & Machining - Danville	1. Student will be able to apply knowledge of CAM/CNC machine programming and setup to produce five different 3-D parts.	Rubric assessing students ability to produce five different 3-D parts.	All students must score an 80% or better on rubric scale.	May
Computerized Mfg. & Machining - Danville	2. Graduates will be able to list in order of operations on a sequence chart the correct procedures to produce an assigned project.	Rubric Evaluation of assigned project.	All students must score 85 percent or higher on a rubric scale.	December
Computerized Mfg. & Machining - Danville	SLO-2 Students will be able to setup and operate drill press and sawing machines to perform operations and hold tolerances that are required by the curriculum and national standards set by NIMS.	Evaluation Form - Students parts will be measured using metrology equipment to verify part print tolerances have been achieved.	All students will score at least a 85% on the evaluation form.	December

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Computerized Mfg. & Machining - Lexington	SLO 1 - Students will be able to schedule job operations in chronological sequence in which parts would be produced in an industrial setting. (Program Learning Outcomes 5 and 8)	Production of tapered threaded adapter with examination of degree on taper and on dimensions. Additionally, a rubric will be used to assess the sequence.	Taper: Blueprint +/- half degree tolerance Dimensions: Blueprint 0.005 degree tolerance Rubric - 90% will accomplish acceptable sequence	April
Computerized Mfg. & Machining - Lexington	SLO 2 - Students will be able to setup and operate conventional lathes and mills performing machining operations and holding tolerances that are required by curriculum task lists in alignment with national standards. (Program Learning Outcomes 2, 3 and 4)	Production of surface gage with acceptable blueprint tolerance. Rubric will be used to assess functionality.	Blueprint - 90% will demonstrate acceptable blueprint tolerance. Rubric - 90% will demonstrate acceptable functionality	April
Computerized Mfg. & Machining - Lexington	Students will be able to produce manual written and computer aided manufacturing programs to utilize on CNC equipment.	Rubric and blueprint tolerance on multiple projects on various CNC machines	Rubric - 90% will be able to produce manual written and computer aided programs for use on CNC equipment. Blueprint Tolerance - 90% will achieve acceptable tolerance levels.	April

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Construction Technology	Students will be able to demonstrate an understanding of safe practices as they relate to OSHA regulations for scaffold safety.	OSHA 10 certification and class exam on scaffold safety and safety procedures for the use of guard rails and fall protection.	80% of graduates will receive certification and successful completion of scaffold safety exam.	December
Construction Technology	Students will be able to demonstrate an understanding of safe practices as they relate to OSHA regulations for scaffold safety.	Check List - Safety practices are an ongoing process I plan on physically observing students safety practices that relate to OSHA regulations. If a student is not following OSHA regulations that were taught in class I will address the issue by verbally questioning the student . If issue continues student will be required to spend extra time reviewing OSHA material.	98% of the students will successfully meet the checklist requirements and not require individual attention.	May
Construction Technology	Students will demonstrate critical thinking and problem solving skills within construction technology.	Rubric to assess students' knowledge and problem solving skills in developing a roof plan. The drawing of the roof plan will include measures with roof pitches that allows an offset position.	85% of the students will receive a 3 or higher on the 5 point rubric.	April
Construction Technology	Students will utilize and maintain commonly used hand and power tools.	1. Instructor's visual evaluation of the selection of tools for various projects as noted on the task sheet. 2. Power tools quiz.	1. All students will select appropriate tools and safety utilize them in the manufacturer's recommended use. 2. All students will score at least 90% on the power tools quiz.	April

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Cosmetology/Esthetician	Demonstrate the application of basic and advanced techniques of nail services both natural and artificial.	Use of checksheets	Students will earn a minimum score of 70% proficiency on checksheets for natural and artificial nail applications	December
Cosmetology/Esthetician	Students will be able to demonstrate principles and techniques of salon and spa management (PLO 11).	1-5 Rubric/Checklist observing students application of salon and spa management concepts and principles.	All students will obtain a minimum of 4 on each concept within the checklist.	April
Cosmetology/Esthetician	Students will be able to perform safety and decontamination procedures.	With observation and checksheet.	Students will perform decontamination procedure as taught in safety class. All students will pass all components of the checklist.	October
Criminal Justice	Students will demonstrate an awareness of ethical considerations in making value decisions.	A rubric will be used to evaluate student responses to 5 scenario based papers.	Students will average 20 of 25 points on the scenarios.	December
Criminal Justice	Students will demonstrate an understanding of the three levels of the criminal justice system and how they are interconnected.	An essay component of last exam asking students to describe how the three levels of the criminal justice system work together to achieve its goals.	90% of the students will score 80% or above on this essay.	April
Criminal Justice	Students will utilize critical thinking skills to make connections in learning across disciplines.	Students will write two critical thinking papers that require an analysis of multiple views on relevant issues.	70% of students will score 20 out of 25 on the rubric evaluation.	April

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Dental Assisting	SLO 1 - Students will be able to demonstrate their ability to take, process, and mount acceptable intraoral and extroral radiographs (manual and digital).	A rubric will be developed to be used during their clinical rotation. The rubric will include taking, processing and mounting, manual and digital radiographs.	To be determined after the rubric has been developed.	April
Dental Assisting	SLO 2 - Students will be able to identify the anatomic structures and landmarks of the oral cavity, face and nasal cavities radiographically, clinically, and histologically. (Program Learning Outcome 36).	Examinations - specific components related to each component of the outcome.	All students will score at least 78% on the respective components of the related exams.	April
Dental Assisting	SLO 3 - Students will be able to identify the professional role of members of the dental health team in terms of responsibilities, behaviors, and functions. (Program Learning Outcomes 1-6)	Components of the related exam(s).	All students will score 78% or higher on the exam components related to this outcome.	April

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Dental Hygiene	Education: Graduates will be able to apply critical thinking skills and professional judgement to provide oral health care that is tailored to the specific needs of persons with special needs.	Clinical grading form under treatment plan and professionalism. The students will be assigned three special needs patients during the fall and three during the spring semester. Students must correctly modify the dental hygiene treatment plan to meet the needs of each patient.	Students must demonstrate 85% competency.	May
Dental Hygiene	Second year students will demonstrate active citizenship, community engagement, and social responsibility through health-related activities in the community.	Tracking the number of community service activities.	All students will have two activities in the fall and three in the spring.	May
Dental Hygiene	SLO 1 First year students will successfully utilize dental hygiene instruments.	Instructors evaluation using comprehensive instrument skills check off lists.	All students must demonstrate acceptable usage of all instruments based on instructor's evaluation.	December

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Dental Lab	SLO 1 - Students will be able to construct a denture.	Capstone Project in fourth semester - The evaluation of the capstone project to construct a denture will be evaluated based on the five-point clinical acceptability scale. Eighty-five percent of the students will receive at least a 3 clinical acceptability score (equitable to a grade of 85%).	Eighty-five percent of the students will receive at least a 3 clinical acceptability score (equitable to a grade of 85%).	April
Dental Lab	SLO 2 - Students will be able to fabricate orthodontic appliances.	Final Project - Maxillary Hawley with a pontic will be used for the assessment using the five-point clinical acceptability scale. Eighty-five percent of the students will receive a score of 3 or higher (equitable to a grade of 85%).	A maxillary Hawley with a pontic will be evaluated based on levels of clinical acceptability with 85% of the students scoring a 3 or higher (equitable to a grade of 85%).	December
Dental Lab	SLO 3 - Students will fabricate a variety of complex dental prostheses with new type of porcelain.	Students will be assessed on their ability to fabricate two metal ceramic restorations one of which will have an all porcelain labial margin. Using the five-point clinical acceptability scale. Eighty-five percent of the students will receive a score of 3 or higher (equitable to a grade of 85%).	Two metal ceramic restorations, one with a porcelain labial margin, were evaluated based on levels of clinical acceptability. Eighty-five percent of the students will receive a score of 3 or higher (equitable to a grade of 85%).	April

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Electrical Technology	Students will be able to choose solar photovoltaic system site locations, including azimuth, inclination, and latitude; for optimum system performance.	Rubric assessing the students' ability to perform a shading and solar irradiation study using a solar (true south) evaluation tool.	Students will successfully evaluate various locations for solar arrays at a 90% success rate.	May
Electrical Technology	Students will be able to convert relay logic to ladder logic, and programming PLCs.	Lab Assessments: Students will program PLCs using three assessed labs with narratives describing conditions of control: moderate to high difficulty: timer, counter, program control High difficulty: comparison, move, math functions, Complex advanced: shift registers, sequential output integer files, data manipulation. The first three assessed labs will be converting relay logic to ladder logic, ranging from simple elementary, low difficulty, and moderate difficulty. The second group of labs using narratives describing conditions of control, ranging from moderate to high difficulty, high difficulty, and complex advanced control will be programmed by students.	The first lab assessments - Students will program at an accuracy rate of 90% without supervision. The second group of labs - Students will program at a rate of 50% accuracy with limited supervision.	May

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Electrical Technology	Students will be able to demonstrate all of the necessary competencies, organizational skills and ability to wire all types of structures per the National Electrical Code improving on techniques and efficiency.	Project Rubric - This year's assessment of the project will focus on the student's organizational skills, technique, safety and improved efficiency in addition to developing a floor plan, take off (Materials list), installing the appropriate wiring system(s) necessary to complete the job, locating and installing the appropriate lighting equipment and mechanical drive systems such as motors.	A ten point rubric will be used with students scoring at least 80% on their project and 100% on safety.	May

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Engineering and Electronics Technology	Basic law's of electricity (Ohm's law, Kirchoff's laws, series, parallel, and combination circuits) are used extensively in all electrical classes and is therefore critical for student master in their first year of classes. First year electrical students will demonstrate their understanding of these basic laws of electricity by designing, building, and testing a loaded voltage divider circuit. Each student will also be required to summarize the results of this project in a written report..	Project - The project will be graded on a 100-point evaluation instrument based on how well the circuit is designed, drawn as a schematic, built, and described in a written report. This goal will be met when 90% of students score a 80 or higher on the Loaded Voltage divider project	This goal will be met when 90% of students score a 80 or higher on the Loaded Voltage divider project	December
Engineering and Electronics Technology	Students will be able to correctly utilize a reference manual in the area of Digital Theory. (Task 39)	NOCTI score on task 39	This goal will be met when the score for task 39 has increased 10%. The current score of 33.3 should increase to 36.6 to be MET.	May
Engineering and Electronics Technology	Students will demonstrate an understanding of transistor operations in Solid State Circuits (Task 21).	NOCTI scores for task 21.	This goal will be met when the score for task 21 has increased 10%. The current score of 36.0 should increase to 39.6 to be MET.	May

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Environmental Technology	SLO 1 - Graduates will be able to keep a field log as part of the sampling process. the field log is an important component (legal document) associated with the sample process. Focus on this year on consistent and accurate entry of standard information.	Sampling is going to be based on observation and the utilization of a 40 point rubric.	Class average will be 34 points (85%) or better	May
Environmental Technology	Students will be able to apply knowledge of erosion and control best management practices to specific site conditions.	Students will be given a brief scenario and site map of a development project. They must identify appropriate BMPs for erosion prevention and sediment control and accurately place them on the site map.	The class average of the evaluation of the site maps will be 80% or higher.	November
Environmental Technology	Students will be able to perform basic Global Positioning System (GPS) operation and navigation tasks using a hand-held GPS unit. Tasks include, changing the map datum, entering waypoints, and navigating to waypoints.	Each student will be given a unique exercise and route that will require them to perform all GPS tasks for which they are responsible (ex: changing the map datum, entering waypoints, and navigating to waypoints). Students ability to perform specific tasks will be evaluated by checking the GPS unit when they are finished and grading the written results they will hand in when they have completed the route.	The class average will be 85% or higher.	March

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Equine Studies	Second year students will be able to successfully gallop a racehorse.	Clock - 2 minute lick (Note in Spring 2014, only two students were assessed; however the next cohort of students will be assessed in fall 2014).	95% of the students will be able to gallop a racehorse a mile in 2 minutes plus or minus 2 seconds.	November
Equine Studies	Students will be able to apply proper care techniques with emphasis on applying various types of bandages.	Rubric for each type of bandage.	90% of students will successfully utilize appropriate techniques for each category of bandage of their first attempt	October
Equine Studies	Students will be able to utilize critical thinking skills in assessing the horse's state of health based on vitals and behavior.	Components on RCI training exam related to horse assessment.	90% will respond correctly to all questions related to the state of health of the horses.	December
		Rubric for vital signs	80% of the students will successfully perform vital signs on their first attempt.	December

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Fire Science	Graduates from the NREMT-B Program shall be proficient in Patient Assessment/Management of the medical patient with an emphasis on providing the proper medical intervention for the suspected medical emergency provided in scenarios provided.	NREMT/KBEMS patient Assessment/Management - Medical Skill Sheet	Student Skills will be evaluated at the end of the semester with 85% of the students successfully passing the Patient assessment/Management-Medical scenario on their first attempt.	December
Fire Science	SLO 3- Given a hose line, and wearing appropriate PPE, the firefighter candidate shall perform emergency decontamination.	Students will be able to don appropriate PPE and setup decontamination at a simulated Hazardous Materials incident.	80% of the tested students will be able to complete the skill within 15 minutes.	May
Fire Science	Students shall demonstrate proper donning of PPE within 1 minute 30 seconds. The student shall then demonstrate doffing same PPE and preparing it for reuse.	Kentucky IFSAC Firefighter I; Skill Sheet 1-1	At the conclusion of the course, 95% of the students shall pass the performance of the skill per the requirements of the Skill Sheet.	May

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Human Services/Social Work	SLO 2 - Demonstrate knowledge of the values used by professionals in the human services field and an understanding of why such values are important including an understanding of the wide range of values expressed by persons of various ethnic and cultural groups.	In 2014-2015 the students will be evaluated at their practicum through a practicum evaluation interview with the field placement supervisor assessing their ability to make value judgments.	Practicum evaluation will be used to demonstrate the students' ability to integrate values into their client relationships with 90% of the students successfully meeting this component of their practicum.	December
Human Services/Social Work	SLO 3 - The student will demonstrate that they are able to establish a helping relationship with a client, interview a client, maintain confidentiality and ethical practices and express in writing through the daily log their understanding of their personal strengths and weaknesses in the practicum experience.	In 2014-2015 the students will be evaluated at their practicum through a practicum evaluation interview with the field placement supervisor assessing their ability to establish a relationship with clients.	90% of the students will successfully meet this evaluation component of their practicum.	December
Human Services/Social Work	Students will explore their personal values and biases in relation to professional social work/human services values to understand implications for practice and minimize influence in work with diverse populations.	Measurement will be conducted by a 5 page paper where each student lists their own values values, compares them to those listed in the Social Work and Human Services Code of Values, develops a scenario describing a situation where their own value system may be in conflict with those of human and social services and how they would resolve the conflict.	90% of the students completing the values assignments will achieve a score higher than 80 points out of 100.	December

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Human Services/Social Work	Students will gain an understanding of social welfare, not as wielders, but as subjects/victims/recipients/clients and will gain the perspective of women, nonwhite people, and other groups oppressed by social institutions, and to understand the place of the labor force and working people within the social welfare institution.	There will be specific questions on both the midterm and the final that will measure the student's comprehension of social welfare, with special emphasis on oppressed groups.	At least 80% of students taking the midterm and final will have answered the specified questions correctly.	December

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Industrial Maintenance	SLO 1 - Students will be able to troubleshoot and measure 3-phase power circuits.	Students success will be evaluated by using components of the end of semester lab final related to troubleshooting and measuring three-phase power circuits (examining the students logical approach).	85% of students will successfully complete this portion of the lab final.	April
Industrial Maintenance	SLO 3 - Students will be able to install, maintain, and troubleshoot fluid power systems with emphasis on pressure release valves.	Observation skills final - One station project: Design, install, successful operation of fluid power system. Rubric will be used for the assessment of the three components.	Part 1 - Written Exam related to designing and building fluid power systems. All of the students will score at least 80% on questions related to designing and building the fluid power system. Part 2 - 50% of students will be able to design & build a functioning system on their first attempt. Part 3 - 85% of students will be able to troubleshoot their systems and make them work.	April
Industrial Maintenance	Students will be able to read and interpret multi-view and shop drawings (PO # 6).	Drawings on final exam in BRX 120.	80% of students will score 75% or higher on this component of the exam.	May

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Information Management and Design	Conceptualize, design, and complete graphic design projects from concept through production and distribution. This SLO will be assessed through IMD 126, 226, 277, and 280.	Students in these courses must demonstrate proficiency in the graphic design competencies through projects and portfolios.	Successful completion of courses listed in this SLO, with students scoring at least a 2.0 on final portfolios in IMD 280.	May
Information Management and Design	Learn and use industry-standard web development and design applications, and apply design theory to the creation of websites. Understand and use multimedia including animation and video in website development. This SLO will be assessed through the courses of IMD 133, 180, 250, and 292.	Students in these courses must demonstrate proficiency in the web design competencies through projects, websites, and portfolios.	Successful completion of courses listed in this SLO, with students scoring at least a 2.0 on final portfolios in IMD 292.	May
Information Management and Design	Students should perform basic library reference service, plan and produce library programs, and demonstrate proficiency in using the Internet for library reference, acquisitions, cataloging, collection development, and public relations. This SLO will be assessed through course offerings in the LIT option in the IMD program.	Students must demonstrate proficiency in the LIT track program competencies listed in the SLO.	Successful completion of the LIT certificate.	May

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Interdisciplinary Early Childhood Education	Students will demonstrate how they empower families and foster community relationships.	Rubric of related assignments in IEC 210 (associated with the ability to empower families and foster community relationships.	80% of students will receive a 21 out of 25 points.	April
Interdisciplinary Early Childhood Education	Students will exhibit an understanding of typical and atypical development and developmentally appropriate learning experiences PLO 3)	Competencies on NOCTI related to appropriate learning experiences.	All students will score 86% or higher on this portion of the NOCTI.	April
Interdisciplinary Early Childhood Education	Students will observe, document and assess progress to support young children, families and programs. (PLO7)	Competencies on NOCTI related to appropriate learning experiences.	All students will score 86% or higher on this portion of the NOCTI.	April
Medical Information Technology	For school year of 2013-2014, MIT students will develop a resume highlighting skills achieved in their training at BCTC.	Two classes (MIT 295) of approximately 26 students. Create a workable resume that highlighting skills achieved in their training at BCTC. A rubric will be used to evaluate format, accuracy and key words.	Ninety five percent of the students will produce a resume of an average of 4. or higher on a 1-5 scale rubric..	April
Medical Information Technology	MIT students will be able to apply critical thinking and problem solving skills as they relate to a simulated work environment.	The students will take the NOCTI exam with a component on the exam relating to problem solving and critical thinking..	95% of the student will score at the national level or above on this portion of the exam.	April
Medical Information Technology	Students will be able to prepare medical records and forms, incorporating proofreading techniques.	Continue stressing the components of transcription in MIT 106 (Medical Transcription). We will evaluate the pathology reports at end of the semester.	95% of the students will receive an 80% or higher on the final pathology document.	April

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Nuclear Medicine	SLO 3 - Students will use critical thinking/problem solving skills to adapt protocol of procedures to meet the patients study needs.	Clinical Rotation Evaluation Form - 90% of students will score a two or higher (1-3 scale) on the evaluation form in this specific area.	All students will score a two or higher (1-3 scale) on the evaluation form in this specific area.	April
Nuclear Medicine	Students will be able to prepare, dispense and administer routine radiopharmaceuticals under the supervision of appropriate personnel. (Program technical competency)	Student clinical evaluation	All students will score 3 out of 5 (or higher) to indicate that they have adequately met the expectation of the clinical faculty for this skill.	April
Nuclear Medicine	Students will demonstrate proper use and care of nuclear medicine instrumentation and ancillary equipment.	Student clinical evaluation.	All students will score 3 or higher on a scale of 5 to indicate that the student has adequately met expectations of the clinical faculty for this clinical skill.	April

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Office Systems Technology	SLO 1 - Graduates will be able to format word documents.	Project that includes a final document produced in Word. In OST 240 - Students completed project. The instructors will use a rubric to evaluate. 1 Poor 2 Passing 3 Average 4 Excellent Items to be evaluated: 1. Formatting on word documents	Students will score an average of 3.5 using the four point rubric.	December
Office Systems Technology	SLO 2 - Students will be able to create formulas in excel to effectively solve problems.	In OST 240 - Students will be given projects to evaluate their ability to create the correct formula for problems encountered.	Students will be measured on a four point rubric, evaluating the projects on the correct formulas utilized to solve the problems. Average score will be 3.5	December
Office Systems Technology	SLO 3 - Students will be able to apply critical thinking skills to perform search strategies and evaluate information using the internet and the world wide web (Technical Core Competency # 3)	Faculty evaluation of capstone project in OST 220 using a 50 point rubric.	All students will score 40 out of 50 points.	December

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Practical Nursing	SLO 1 - Design a plan of care to meet patients needs.	Evaluation at practicum	90% of students completing practicum will have developed a satisfactory care plan, evaluated by clinical instructor	April
Practical Nursing	SLO 2 - The PN graduate will demonstrate critical thinking skills by being able to make reasonable clinical judgments through the use of the nursing process.	Utilize the critical thinking components of the PN Final Clinical Evaluation Form.	80% of PN students will achieve a satisfactory rating on the critical thinking components of the PN Final Clinical Evaluation Form.	April
		Utilize the critical thinking components of the PN Final Clinical Evaluation Form.	80% of PN students will achieve a satisfactory rating on the critical thinking components of the PN Final Clinical Evaluation Form.	April
Practical Nursing	SLO 3 - The PN graduate will be able to practice safe administration of medications, including at the clinical sites.	Final Clinical Evaluation Form	98% of students will practice safe administration of medications based on the Implementation section of the Final Clinical Evaluation Form.	April
Practical Nursing	Students will demonstrate an understanding of professional attitudes and behaviors associated with the role of practical nurse.	Assessment of student professional behaviors on clinical evaluations and preceptor evaluations. Responses of advisory committee when questioned regarding graduate professional behaviors demonstrated in the hiring process and beginning months functioning in the role of new hires.	90 % of students will receive satisfactory clinical/preceptor evaluations for professional behaviors. Advisory committee members will report improvement in profession behaviors and attire during the interview process and initial "new hire" work period.	April

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Radiography	Accurately demonstrate anatomical structures on imaging receptors.	Clinical competencies evaluation related to image critique.	Students will achieve 85% on the image critique portion of the competency evaluation.	December
Radiography	Exercise independent judgment and discretion in the technical performance of medical imaging procedures. (program outcome number 8)	Clinical competency evaluation area related to the judgement, discretion and technical performance.	Students will achieve 85% overall score on the competency evaluation.	December
Radiography	Practice radiation protection for the patient, self, and others.	Radiation protection and biology portion of the ARRT exam.	Students will achieve an 85% average on the ARRT exam in the area of radiation protection and biology.	December

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Registered Nursing	Students will be able to demonstrate accurate assessment techniques.	Skill competency check-off HESI course and exit exams Graduate exit survey	70% of students will pass the physical assessment skill competency on the first attempt. 90% of students will not miss more than two areas of assessment on the first attempt. 100% of students will pass the physical assessment competency on the second attempt. 70% of students will obtain a score of 850 on the assessment category of the HESI course and exit exams. Graduate exit survey – exiting students will rate a score of 3 or higher on a scale of 4 that they met the Assessment program outcome.	May
Registered Nursing	Students will be able to demonstrate correct client teaching.	skill competency HESI exam Graduate Exit survey	100% of students will pass the teaching/learning skill competency on the first attempt 70% of students will obtain a 850 in the teaching/learning category on all course HESI exams Exiting students will rate a score of 3 or > out of 4 that they met the teaching/learning program outcome.	May

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Registered Nursing	Students will correctly use electronic documentation for recording medications, nursing history and physical assessment.	Nursing History and Assessment electronic documentation Nursing informatics in the hospital facilities HESI exams	80% of students will obtain a satisfactory when completing their nursing history and physical assessment form using the electronic documentation. 100% of students will be satisfactory with administration of medication utilizing the facilities computerized medication dispensing system. 70% of students will obtain a 850 on all HESI course and exit exams in the category of nursing informatics	May
Registered Nursing	Students will demonstrate professional behaviors in the clinical setting.	clinical evaluation tool HESI course and Exit exams	100% of students will receive a satisfactory in the category of professional behaviors on the clinical evaluation form. 70% of students will receive a 850 on all HESI and exit exams in the category of professional behaviors.	May

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Respiratory	SLO1-Graduates will be able to "Remove Bronchopulmonary Secretions" (3C)	CRT and WRRT graduate exam.	At or above the national avg. on categories – 3C. Remove Bronchopulmonary Secretions	May
Respiratory	SLO2- Graduates will be able to "Recommend procedures to obtain additional data" (1C)	WRRT exam.	At or above the national average on category 1C.	May
Respiratory	SLO3- Graduates will be able to "Perform quality control procedures" (2C).	NBRC exams.	At or above the national average on category "Perform quality control procedures" (2C).	May
Respiratory	SLO5- – 3B “Maintain a Patent Airway Including the Care of Artificial Airways”	CRT and WRRT exam results	At or above the national avg.	May
Respiratory	SLO6- Category 3A. “Maintain Records and Communicate Information”	CRT and WRRT exam results.	At or above the national average on category 3A. “Maintain Records and Communicate Information”	May
Respiratory	SLO-7 – 3J “Act as an Assistant to the Physician Performing Special Procedures”	NBRC Exams	Above the national average on the CRT and the WRRT exams on category 3J “Act as an Assistant to the Physician Performing Special Procedures”.	May

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Surgical Technology	SLO 1 - Students will be able to demonstrate safe, non-sterile pre-op environment.	This assessment will be based on the first five tasks on the Mock Surgery Competency Evaluation on pre-op competencies in the student laboratory. (This measure was modified slightly from last year based on the Mock Surgery Competency Evaluation rubric. After evaluating past data the points have been reallocated to emphasize areas of importance.)	Eighty-five percent of the students will score 17 out of 22 points on the first five categories on the Mock Surgery Competency Evaluation rubric.	December
Surgical Technology	SLO 2 - Students will be able to gown, glove, set-up the back table and mayo stand correctly for basic surgical procedures (e.g. breast biopsy).	Mock Surgery Competency Evaluation regarding the student's ability to gown, glove, set-up the back table and mayo stand correctly and quickly for basic surgical procedures (e.g. breast biopsy). (This measure was modified slightly from last year based on the Mock Surgery Competency Evaluation rubric. After evaluating past data the points have been reallocated to emphasize areas of importance.)	1. 85% of the students will get 14 out of 19 on categories 5-8 on the Mock Surgery Evaluation tool. 2. 70% of the students will be able to gown, glove, set-up the back table and mayo stand within 18 minutes for a basic surgical procedures (e.g. breast biopsy).	December

Unit	Objective or Outcome	Measure	Achievement Target	Assess Month
Surgical Technology	SLO 3 - Students will be able to identify surgical instruments used in the Operating Room.	The surgical instruments will be displayed on the classroom desk at 10 separate stations, of which the students will rotate from station to station with approximately 2 minutes to identify the 10 instruments at each station.	85% of the students will be able to identify 90% of the instruments in the lab setting component of the final hands-on instrument examination.	
Welding	SLO 1 - Students will be able apply knowledge of Gas Tungsten Arc Welding (GTAW) to weld various types of weldments and materials.	Lab rubric designed to evaluate students welding skills on various GTAW weldments and materials.	70% of the students will score 3 or higher on the 5 point scale.	April
Welding	SLO 2 - Students will be able to demonstrate setting up and operating an oxy-fuel system.	A lab rubric designed to assess students abilities on a capstone project to set up and use a oxy-fuel system.	All students scoring at least 80% (8.0 on a rubric scale).	April
Welding	SLO 3 - Students will be able use their knowledge of blueprint reading to fabricate materials.	Students will be assessed on a rubric, using AWS Industry Standards to fabricate a project.	Students will score at least an 80% or higher (8.0 on a rubric scale).	April