

**Somerset Community College
Instructional Program Review**

Instructions:

(A) Type your text into the text boxes. The text boxes will expand to accommodate the amount of text space you need.

(B) When finished, submit your Instructional Program Review document to rosa.harper@kctcs.edu . You may add any attachments to the email you feel are necessary before sending the Review document.

Section I: Program Profile

A. Program Purpose Statement	The Clinical Laboratory Technician Program will prepare students to perform accurate clinical testing, interpret results, associate clinical findings and solve problems associated with testing in the following areas: Chemistry, Hematology, Immunohematology, Microbiology and Urinalysis
B. Program Catalog Description	The Clinical Laboratory Technician (CLT) program provides students with the opportunity to acquire the necessary skills to work under the supervision of a registered clinical scientist or pathologist in a clinical laboratory, hospital, or other health agency. The CLT student learns to collect specimens from the patient and perform laboratory tests in all areas of the clinical laboratory to include immunohematology, clinical chemistry, hematology, microbiology, serology and urinalysis. Students enrolled in the CLT program must achieve a minimum grade of "C" in each of the clinical laboratory technician courses. Upon completion of the program, the graduate is eligible for the national certification examination as a clinical laboratory technician.
C. Awards (specific degrees, certificates, etc. awarded) AY 2006-2007	6 Associate in Applied Science- Clinical Laboratory Technician 53 Certificate- Phlebotomy for the Healthcare Worker & Certificate- Physician's Office Laboratory
D. Annual Duplicated Enrollment AY 2006-2007	67

<p>E. Fall Term to Fall Term Retention Rates: a. Full-Time Retention AY 2006-2007 b. Part-Time Retention AY 2006-2007</p>	<p>a. 60% Full Time b. 100% Part-Time</p>
<p>F. Graduation Rates (IPEDS definition: 150% of normal time) AY 2006-2007</p>	<p>0% IPEDS Data took only first time entering freshmen that completed in 3 years and none the CLT freshmen students were first time entering freshmen. Actual CLT Program Graduation Rates 2006-2007- 50% 14 students admitted in 2005 6 Graduates in May 2007 1 Graduate in December 2007 Phlebotomy & Physician's Office Laboratory Certificate Graduation Rates 2006-2007 Phlebotomy Certificates- 67% Physician's Office Laboratory Certificates- 91%</p>
<p>G. Job Placement Rates (Source: TEDS) AY 2006-2007</p>	<p>94.4%</p>
<p>H. Paid Credit Hours per Academic Year AY 2006-2007</p>	
<p>I. Faculty and Course Load Data AY 2006-2007</p>	<p>Nancy Powell Coarse Load 2006-2007 Fall 2006- 8 credit hours with additional 6 contact hours per week assisting other labs Spring 2007- 16 hours credit with additional 2 contact hours assisting with other labs Donna Ratliff Coarse Load 2006-2007 Fall 2006- 10 credit hours with additional 2 contact hours per week assisting other labs Spring 2007- 0 Family Medical Leave</p>
<p>J. Budget Allocations AY 2006-2007</p>	<p>\$ 5,450 Supply budget</p>

<p>K. Advisory Board Members List</p>	<table> <tr> <td>Ruth</td> <td>Blanton</td> <td>Rockcastle County Hospital</td> </tr> <tr> <td>Gale</td> <td>Boggs</td> <td>Marymount Hospital</td> </tr> <tr> <td>Trish</td> <td>Wynd</td> <td>Ephraim McDowell Regional</td> </tr> <tr> <td>Daryl</td> <td>Feazell</td> <td>Clinton County Hospital</td> </tr> <tr> <td>Wallace</td> <td>Feese</td> <td>Taylor Regional Hospital</td> </tr> <tr> <td>Linda</td> <td>Canada</td> <td>Lake Cumberland Regional Hosp.</td> </tr> <tr> <td>Tammy</td> <td>Jenkins</td> <td>Pulaski County Health Center</td> </tr> <tr> <td>Tammy</td> <td>Jones</td> <td>Lake Cumberland Regional Hosp.</td> </tr> <tr> <td>Dr. Marilyn</td> <td>McMillen</td> <td>Lake Cumberland Regional Hosp.</td> </tr> <tr> <td>Julie</td> <td>Petrey</td> <td>Somerset Community College</td> </tr> <tr> <td>Debbie</td> <td>Singleton</td> <td>Cumberland Medical Laboratories</td> </tr> <tr> <td>Cathy</td> <td>Stringer</td> <td>Cumberland Medical Laboratories</td> </tr> <tr> <td>Regina</td> <td>Strong</td> <td>Lake Cumberland Regional Hosp.</td> </tr> <tr> <td>Susan</td> <td>Wilson</td> <td>Lake Cumberland Regional Hosp.</td> </tr> </table>	Ruth	Blanton	Rockcastle County Hospital	Gale	Boggs	Marymount Hospital	Trish	Wynd	Ephraim McDowell Regional	Daryl	Feazell	Clinton County Hospital	Wallace	Feese	Taylor Regional Hospital	Linda	Canada	Lake Cumberland Regional Hosp.	Tammy	Jenkins	Pulaski County Health Center	Tammy	Jones	Lake Cumberland Regional Hosp.	Dr. Marilyn	McMillen	Lake Cumberland Regional Hosp.	Julie	Petrey	Somerset Community College	Debbie	Singleton	Cumberland Medical Laboratories	Cathy	Stringer	Cumberland Medical Laboratories	Regina	Strong	Lake Cumberland Regional Hosp.	Susan	Wilson	Lake Cumberland Regional Hosp.
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Section II: Curriculum

<p>A. Course and Curriculum Requirements (from Catalog)</p>	<p>Associate in Applied Science</p> <p>Offered at: Henderson CC, Madisonville CC, Southeast Kentucky CTC, Somerset CC</p> <p>General Education Courses</p> <p>Required Courses</p> <p>ENG 101 Writing I 3 MT 110 Applied Mathematics OR a higher math course 3 PY 110 General Psychology 3 Heritage/Humanities 3</p>
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	<p>COM 181 Basic Public Speaking OR 3 COM 252 Interpersonal Communications (3) CHE 104 Introductory General Chemistry I 3</p> <p>Support Courses</p> <p>Required Courses</p> <p>BIO 135 Anatomy & Physiology OR 4 AHS 109 Introduction to Body Structure and Function (4) BIO 225 Medical Microbiology OR 4 CLT 130 Applied Laboratory (3) Computer Literacy 1-3</p> <p>Technical Courses</p> <p>Required Courses</p> <p>CLT 101 Introduction to the Clinical Laboratory 3 CLT 111 Urinalysis 2 CLT 125 Serology 2 CLT 205 Clinical Microbiology I 3 CLT 206 Clinical Microbiology II 2 CLT 215 Hematology I 4 CLT 216 Hematology II 3 CLT 225 Immunohematology I AND 2 CLT 226 Immunohematology II OR 2 CLT 227 Immunohematology (4) CLT 235 Clinical Chemistry I 3 CLT 236 Clinical Chemistry II 2 CLT 280 Practicum I 4 CLT 290 Practicum II 4 PHB 151 Phlebotomy 1-2 PHB 152 Phlebotomy: Clinical Experience 1</p> <p>Total 65-69 hours</p>
<p>B. Curriculum changes past year (describe and attach evidence of approval by SCCRC and KCTC)</p>	<p>None</p>

Section III: Personnel

<p>A. Faculty roster (list by full-time and part-time with current teaching assignments)</p>	<p>Nancy Powell- CLT Program & Related Certificates Coordinator Teaching assignments</p> <p style="text-align: center;">Fall Semester</p> <p>CLT 205 Clinical Microbiology I CLT 280 Practicum I PHB 152 Phlebotomy: Clinical Experience Assist in labs for: CLT 101 Introduction to Clinical Laboratory CLT 227 Immunoematology</p> <p style="text-align: center;">Spring Semester</p> <p>CLT 125 Serology CLT 290 Practicum II CLT 216 Hematology II CLT 206 Clinical Microbiology II PHB 152 Phlebotomy: Clinical Experience Assist in labs for: CLT 215 Hematology CLT 101 Introduction to Clinical Laboratory CLT 111 Urinalysis</p> <p>Donna Ratliff- CLT faculty</p> <p style="text-align: center;">Fall Semester</p> <p>CLT 101 Introduction to Clinical Laboratory CLT 227 Immunoematology CLT 235 Clinical Chemistry I Assists in labs for CLT 205 Clinical Microbiology I</p> <p style="text-align: center;">Spring Semester</p> <p>CLT 111 Urinalysis CLT 215 Hematology CLT 235 Clinical Chemistry II Assists in labs for CLT 206 Clinical Microbiology II</p> <p>PHYSICIANS OFFICE LABORATORY</p> <p>Offered at: Bluegrass CTC, Henderson CC, Madisonville CC, Southeast Kentucky CTC, Somerset CC</p>
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	<p>REQUIRED COURSES</p> <p>PHB 151 Phlebotomy 1-2 PHB 152 Phlebotomy Clinical Experience 1 CLT 101 Introduction to the Clinical Laboratory 3 CLT 111 Urinalysis 2 CLT 125 Serology 2</p> <p>Total 9-10 hours</p> <p>PHLEBOTOMY FOR THE HEALTH CARE WORKER</p> <p>Offered at: Bluegrass CTC, Henderson CC, Madisonville CC, Southeast Kentucky CTC, Somerset CC, West Kentucky CTC</p> <p>REQUIRED COURSES</p> <p>PHB 151 Phlebotomy 1-2 PHB 152 Phlebotomy: Clinical Experience 1 CLT 101 Introduction to the Clinical Laboratory 3</p> <p>Total 5-6 hours</p>
<p>B. Support staff roster (by name, position title, full-time/part-time status)</p>	<p>Julie Petrey Instructional Specialist/ part-time Ruth Blanton Adjunct Faculty/ part-time TBA- Adjunct Faculty/ part-time Sherri Harness- Clinical Faculty Phlebotomy/ part-time Sarah Brown- Clinical Faculty Phlebotomy/ part-time</p>

Section IV: Planning and Effectiveness

<p>A. Unit Planning Forms AY 2006-2007</p>	<p>See Attached</p>
<p>B. Student Learning Outcomes Assessment Report (attach)</p>	<p>See Attached</p>

Section V: Facilities and Equipment

A. Describe adequacy of current facilities, including lab space.	The Clinical Laboratory Technician Program has an adequate laboratory space, classrooms and faculty offices.
B. Describe adequacy of current equipment inventory (item description, date of purchase, and status).	The Clinical Laboratory Technician Program has an adequate amount of supplies. Many of the supplies are disposable therefore necessitating an adequate supply budget.

Section VI: Analysis, Recommendations, Actions, and Approvals

A. Description of program strengths	<p>The Clinical Laboratory Technician Program is nationally accredited by the National Accrediting Agency for Clinical Laboratory Sciences until 2014.</p> <p>The program has 2 highly qualified faculty each with a master's degree.</p> <p>The program graduates are prepared to both pass national certification examinations and to enter the workforce upon graduation.</p> <p>The program has an excellent on-campus laboratory to provide microscopic studies, semi-automated and automated testing before students enter the clinical setting.</p>
B. Description of program challenges	<p>The Clinical Laboratory Technician Program utilizes a large amount of disposable supplies, therefore requiring an adequate supply budget.</p> <p>The program has not been able to hire adjunct faculty for certain certificate courses therefore leaving the fulltime faculty to teach overloads.</p>
C. Recommendations for improvements	<p>The Clinical Laboratory Technician Program needs to have a 10% supply budget increase.</p> <p>The program needs to work with Human Resources to identify potential adjunct faculty.</p>

Health Division Unit Plan 2007-2008

Year	2007-2008
Unit_Number	45
Unit_Name	Health Division
Unit_Mission_Statement	Somerset Community College's Health Division is committed to academic excellence for students seeking degrees/certifications in a variety of health related disciplines. Achievement of expected outcomes will be facilitated by maintenance of adequate equipment, technology, expendable supply, personnel, required and professional travel, space and tutoring resources to meet needs for seventeen Health Division units including 1) Associate Degree Nursing, 2) Career Pathways, 3) Clinical Laboratory Technician, 4) Fitness Center, 5) General Education Course Offerings, 6) Health Division Chair and Office, 7) Medicaid Nurse Aide, 8) Medical Assisting, 9) Medication Aide, 10) Physical Therapist Assistant, 11) Phlebotomy, 12) Practical Nursing (Laurel), 13) Practical Nursing (Somerset), 14) Practical Nursing (Clinton), 15) Respiratory Care, and 16) Surgical Technology.
Relationship1	Accessibility
Relationship2	
Relationship3	
Annual_Initiative	PI 1 Increase student access by 10% over previous academic year to "in demand coursework/training"
Outcomes	Increase student access by 5% over previous academic year to "in demand coursework/training"
Strategies	Increase offerings of on-line courses for NAA 100, Nursing Assistant Skills I; KHP 230, Human Health and Wellness; AHS 115, Medical Terminology. Increase offerings of CPR 100 and NAA 100 at alternate off-campus sites and by ITV.
Assessment	Fall, Spring and Summer schedule of classes.
Budget_Link	Y

Resource_Needs	1) 6 AED trainers for CPR offerings at all campuses/sites @ \$350 each, total \$2100. 2) Sani Man CPR manikins - \$600.
Evaluation_Results	Mid-Year: Offered an on-line section of KHP 230 and AHS 115 for Fall 07 and Spring 08. CPR offered at most off-campus sites.

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Relationship1	Accessibility
Relationship2	
Relationship3	
Annual_Initiative	PI 2 - Improve student access by increasing the fall-to-fall retention rate
Outcomes	Increase fall to fall retention rate of Health Division program students by 3%.
Strategies	Send 100% of Health Division faculty to discipline related P.D./continuing ed. offerings. Update technology utilized for preparation and presentation

	of teaching/learning course material. Retain two full time faculty by transferring from grant funding to permanent funding.
Assessment	P.D. participation reports. P.D. recertification and licensure renewals. Retention reports.
Budget_Link	Y
Resource_Needs	<p>P.D. for 40 faculty and staff \$20,000. A.D.N. Program: 1) Full time Career Pathway faculty position 1 salary/ benefits \$60,000; 2) Full time Career Pathway faculty position 2 salary/ benefits \$60,000; 3) Heart Sim 200, rhythm simulator, \$995; 4) Elite Doppler System, \$725; 5) Chest Tube Simulator, \$1495; 6) Chester Chest, 3 units @ \$615 each, \$1845; 7) Advanced Management Trainer, \$1989; 8) Technology software, \$5000; 9) Two DVD players @ \$200 each, \$400; 10) Two TV 35" monitors @ \$500 each, \$1000; 11) Professional Development, \$10,000; 12) two Flo-Gard Single Channel Volumetric Infusion Pumps, \$2990; 13) two Nasco adult IV training arms, \$760; 14) two Kangaroo feeding pumps, \$1118; 15) ACLS Life Pak, \$7499. Respiratory Care: 1) Advanced Level Registry self-evaluation exams and clinical simulation software, \$5100, 2) DVD player, \$97. Medical Assisting: 1) CLT ACT DIFF Hematology Analyzer, \$24500; 2) Clay Adams Centrifuge, \$801.24; 3) Spirometer Easyone System, \$1630; 4) Heartstart ForeRunner AED, \$325; 5) Resussi Anne's, 2 @ \$519.75 = \$1039.50. Practical Nursing: 1) 3-4 LPN faculty to attend NLN workshop, \$8000; 2) Professional development for LPN faculty, \$14,000; 3) Power Point Projector for Somerset Practical Nursing faculty - \$3000; 4) Power Point Projector for Laurel Practical Nursing faculty - \$3000; 5) Lab instructor for Clinton PN program, \$34,000; 6) Lab instructor for Laurel PN program, \$34,000; 7) Lab instructor for Somerset PN program, \$34,000; 8) Part-time clinical instructors for PN program in Somerset, Laurel and Clinton, \$30,000; 9) Administrative Assistant to be shared with Laurel PN program, Respiratory Care program, and Early Childcare program, \$25,000. PTA: 1) Instructional Specialist III, \$39,128; 2) Power Point projector, \$3500; 3) Anatomy Models, \$4000; 4) Fluidotherapy Unit, \$6245; 5) Biofeedback Unit, \$800; 6) P.D. \$6000; 7) Total Gym Clinic Package, \$3495; 8) LASER Therapy Unit, \$1500; 9) Ultraviolet Unit, \$850. CLT: 1) Cell-Dyn hematology analyzer, \$15,780; 2) two UV to Visible light spectrophotometers, \$7250; 3) Professional development for state meeting, \$650; 4) Instructional Specialist for CLT lab & Microbiology, \$34,000; 5) electrolyte analyzer, \$3900.</p>

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Relationship1	Leadership
Relationship2	
Relationship3	
Annual_Initiative	PI 4 - Increase academic unit/division budgets by an average of 10%
Outcomes	Maintain the quality of purchasing power for equipment and supplies, audio-visual aids in student laboratory experiences pertaining to division programs and general education course offerings by increasing all division program units supply budgets by 10%.
Strategies	Increase division unit and division program budgets and travel money for full-time faculty teaching general education course offerings at SCC's distant sites.
Assessment	Division Budget Line for 2007-2008.
Budget_Link	Y

Resource_Needs	Increase the division chair/office budget by \$1000, also request travel money for general education course offerings at SCC campuses/sites in the amount of \$1,000; CLT supply budget by \$545; Fitness Center supply budget by \$200; Medical Assisting supply budget by \$675; Associate Degree Nursing supply budget by \$900, \$3,500 for a supply budget for the Career Pathways program no longer supported by grant funding and this Career Pathways program fits under the Associate Degree Nursing program; Practical Nursing supply budget by \$1,350; PTA supply budget by \$540; Radiography supply budget by \$1,100; Respiratory Care supply budget by \$495; and Surgical Technology supply budget by \$650.
Evaluation_Results	Mid-Year: Division budget lines have been increased by 7% effective July 1, 2007.

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Relationship1	Learning Environment
Relationship2	

Relationship3	
Annual_Initiative	PI 5 - Develop a college technology plan to support teaching and learning
Outcomes	Develop a college technology plan to support teaching and learning.
Strategies	Update faculty, staff, and laboratory computers.
Assessment	Technology available to faculty, staff and students.
Budget_Link	Y
Resource_Needs	Fifteen CPU's \$15,000. Radiography: faculty computer station, \$1500. Respiratory Care: faculty computer station, \$698. Practical Nursing: faculty computer Somerset site, \$1500; faculty computer Laurel site, \$1500; laptop computer for LCD projector at Laurel site, \$1500. A.D.N.: 1) 10 faculty computers, \$10,000. Fitness Center: 1) new office computer, \$1500. CLT: 1) faculty computer, \$976.30.
Evaluation_Results	Mid-Year: Progress being made, Radiography has purchased a computer for faculty.

Program Student Learning Outcomes Assessment Rubric

Program: Clinical Laboratory Technician Program Coordinator: Nancy W. Powell, M.A.Ed., MT(ASCP)
Year: Spring-Fall 2007

Program Learning Outcomes	Assessment Measures	Data Collection & Analysis Plan
<p>Graduates will perform laboratory test accurately.</p>	<p>Board of Registry- National Certification Examination</p> <p>Scores for Spring 2007 Graduates</p> <p>Clinical Evaluations CLT 290 Practicum II- Spring 2007</p> <p>CLT 280 Practicum I- Fall 2007</p>	<p>Board of Registry Program Report Fall 2007</p> <p>100% Passed- 6 graduates</p> <p>Clinical Evaluations 70 evaluations for 15 students</p> <p>Students consistently were evaluated at an "Acceptable" level on performing laboratory tests</p> <p>Outcome achieved</p>
<p>Graduates will prevent and detect technical errors in testing.</p>	<p>Board of Registry- National Certification Examination</p> <p>Scores for Spring 2007 Graduates Section on "Laboratory Operations"</p>	<p>Board of Registry Program Report Fall 2007</p> <p>67%- 4 out of 6 graduates passed Laboratory Operations</p> <p>Outcome 67% Achieved</p>

<p>Graduates will carry out an established quality control program.</p>	<p>CLT 235- Clinical Chemistry I Test Questions Fall 2007</p>	<p>Question #24- Quality Control 50% correct- 5 out of 10 students correct Question # 37- Quality Control 70% correct- 7 out of 10 students correct Discussion #1- Quality Control 90% correct- 9 out of 10 students correct Outcome 70% Achieved</p>
<p>Graduates will practice medical ethics.</p>	<p>PHB 152 Phlebotomy: Clinical Experience Evaluation "Understands confidentiality protocols" Spring 2007 Fall 2007 Clinical Evaluation Sections on CLT 280 "Understands confidentiality protocols" Fall 2007</p>	<p>PHB 152 Evaluations- 96 evaluations- for 48 students Spring 2007- 100% marked "Always" Fall 2007- 98% marked "Always" 2% marked "Usually" CLT 280 Practicum I Fall 2007- 40 evaluations for 8 students 100% marked "Always" Outcome Achieved</p>
<p>Graduates will participate in continuing professional development.</p>	<p>Students Attending Professional Development Programs Spring 2007 Kentucky State Laboratory Tour, April 27, 2007 Frankfort, Kentucky Fall 2007 Kentucky Clinical Laboratory Science State Meeting September 11-12, 2007 Louisville, Kentucky Tour Kentucky Blood Center, November 30, 2007 Lexington, Kentucky</p>	<p>Attendance Data Spring 2007 100% sophomore CLT students attended Fall 2007 75% sophomore CLT students attended 100% sophomore CLT students attended 100% sophomore CLT students attended Outcome Achieved</p>

Recommendations: More emphasis in curriculum on Laboratory Operations and Quality Control.