

2007 MASTER PLAN/PROGRESS REPORT

Academic Program: Clinical Laboratory Science

Person Responsible: Donna Calvert

Date Submitted: June 1, 2007

Mission: The mission of the Clinical Laboratory Science program is to provide our students with the learning opportunities, adequate resources, and expertise to perform as a well educated, highly competent, and caring clinical laboratory scientist with a focus on communication, compassion and respect, critical thinking, judgment and evaluation, ethics and professionalism, psychomotor execution, and service to profession and community

Institutional Mission Reference: The foundation for student success begins with faculty commitment to excellence in teaching, research and scholarly activity. At McNeese State University, a member of the University of Louisiana System, students cultivate skills for critical thinking, effective expression, and gain an understanding of the global community. The learning and social environment integrates discipline-specific knowledge with the values of lifelong learning, ethical responsibility, and civic engagement.

Assessment Methods Utilized:

- X Standardized Exam (nationally normed)
- ___ Standardized Exam (state-normed)
- X Major Field Examination
- X Internally-developed Examination
- X Student Opinion Survey (SOS)
- ___ National Survey of Student Engagement (NSSE)
- X Employer Survey
- X Graduate Survey
- X Alumni Survey
- X Exit Survey/Interview/Exam
- X Program-specific Survey
- ___ Scoring of Essay
- ___ Portfolio Evaluation
- ___ Capstone Project
- X Presentation
- X Research Paper
- ___ Research Project
- ___ Course Summary
- ___ Excel Spreadsheet
- ___ Access Database
- ___ Other - Please describe: _____

Data Repository Location:

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Student Learning Outcome 1: Graduates apply critical thinking in academic and professional environments.

<u>Expected Level of Achievement</u>	<u>Actual Data From Assessment</u>	<u>Actions/Decisions</u>
<ul style="list-style-type: none">➤ 80% of graduates pass the ASCP or NCA certification exams on first take.➤ A score of 80% on the critical thinking portions of the exit exam➤ 3.5 mean response of student, graduates, alumni, and employers on questions related to the ability to use critical thinking as a generalist clinical laboratory scientist Questions on Knowledge, Judgment, Problem-Solving, and Interpretations	<p>90% pass rate for first time takers</p> <p>None available</p> <p>Student, Graduate, alumni and Employers Surveys: 3.85 mean response on questions related to the ability to use critical thinking as a generalist entry-level clinical laboratory scientist</p>	<p>R-add review and practice tests to CLS. 440</p> <p>D-develop an exit exam with specific critical thinking portion</p> <p>M-continue to monitor the outcome data</p>

Student Learning Outcome 2: Graduates formulate and express ideas effectively through oral, written, and/or technological communications in academic and professional environments.

<u>Expected Level of Achievement</u>	<u>Actual Data From Assessment</u>	<u>Actions/Decisions</u>
<p>90% of students achieve satisfactory scores (80%) on Exit Exam in areas of communication</p> <p>90% of students achieve satisfactory clinical evaluations related to Communication</p> <ul style="list-style-type: none"> • Written • Oral • Technology <p>(Questions 7, 8 and 9—Cooperation, Criticism, Communication, Interaction)</p> <p>3.5 mean response of graduates, alumni, and employers on questions related to the ability to communicate as a professional</p>	<p>None available</p> <p>100% of students achieved satisfactory clinical evaluations related to communication</p> <p>Graduate, alumni, and employer Surveys: 3.89 mean response on questions related to the ability to communicate as a CLS professional</p>	<p>D-develop exit exam with specific section for communication</p> <p>M-monitor outcomes assessment D-develop and oral presentation for students in CLS. 434</p> <p>M-monitor outcomes assessment</p>

Student Learning Outcome 3: Graduates analyze the global community to make sound judgments in academic and professional environments.

<u>Expected Level of Achievement</u>	<u>Actual Data From Assessment</u>	<u>Actions/Decisions</u>
<p>90% of students achieve satisfactory on question dealing with the global community on the Exit Exam</p>	<p>Not available</p>	<p>D-develop an exit exam with specific questions on global community....</p>
<p>90% of students achieve satisfactory clinical evaluations related to the clinical laboratory scientist role in health care and Professionalism; Questions on Integrity, Initiative, Organization, Punctuality and Personal Appearance and Manner.</p>	<p>100% of students achieved satisfactory clinical evaluations related to the clinical laboratory scientist role in health care and Professionalism</p>	<p>R-add questions on evaluations to better assess global community.</p>
<p>3.5 mean response of student, graduates, alumni, and employers on questions related to recognizing the impact of economic, political social and demographic forces on the health care delivery system</p>	<p>Student, graduate, alumni and employer surveys: 3.9 mean response on questions recognizing the impact of economic, political, social and demographic forces on the health care system</p>	<p>R- revise the surveys to better assess students knowledge and understanding of all forces that impact the health care system</p>
<p>3.5 mean response of students, graduates, alumni and employers on questions related to utilizing information technology to support and communicate the clinical laboratory scientist role in health care</p>	<p>Student, graduate, alumni and employers survey: 3.9 mean response on questions related to utilizing information technology to support and communicate the CLS role in health care</p>	<p>R- revise the surveys to better assess students utilization of information technology in the global community D-develop curriculum to include information technology as it impacts the global community</p>
<p>3.5 mean response of students, graduates, alumni, and employers on questions related to integrating the role of clinical laboratory scientist in coordinating and delivering health care through collaboration with persons and members of the interdisciplinary health care team.</p>	<p>Student, graduate, alumni and employers survey: 3.6 mean response on questions related to integrating the role of CLS in coordinating and delivering health care through collaboration with persons and members of the interdisciplinary health care team</p>	<p>D-develop curriculum to thoroughly integrate the student in the role of Clinical laboratory scientist in collaboration with members of interdisciplinary health care team in delivering health care D-develop specific questions to assess students knowledge and understanding of their role in interdisciplinary health care delivery</p>
<p>3.5 mean response of students, graduate, alumni, and employers on questions related to evaluating the environment and environmental influences on the person, health and scientist.</p>	<p>No data available</p>	<p>D-develop curriculum to provide the student with the necessary tools to evaluate the environmental influences on the person, health and scientist. D-develop specific questions to assess the students understanding and knowledge of the environmental influences on the person, health and scientist.</p>
<p>3.5 mean response on Dept. of Biological & Environmental Sciences Senior Exit Survey</p>	<p>No data available</p>	<p>D-develop department senior exit survey to include questions to assess the students understanding and knowledge of the importance and impact of a global community on their profession</p>

Student Learning Outcome 4: The clinical laboratory science/medical technologist graduate will possess basic knowledge, skills and problem-solving abilities to be proficient in performing the full range of clinical laboratory tests in areas such as hematology, clinical chemistry, immunohematology, microbiology, serology/immunology, molecular diagnosis, and other emerging diagnosis.

<u>Expected Level of Achievement</u>	<u>Actual Data From Assessment</u>	<u>Actions/Decisions</u>
<p>80% pass rate for first time taker on certification exam (ASCP or NCA)</p> <p>90% of students score satisfactory (80%) on exit exam assessing basic knowledge, skills and problem solving abilities to be proficient in performing the full range of clinical laboratory tests</p> <p>3.5 mean on graduate, alumni, employer survey on questions of basic knowledge, skills and problem-solving abilities to be proficient in performing the full range of clinical laboratory tests.</p>	<p>90% pass rate for first time takers</p> <p>None available</p> <p>Graduate, alumni, and employer surveys: 3.9 mean response on basic knowledge, skills and problem-solving abilities to be a successful entry-level professional clinical laboratory scientist</p>	<p>M-continue to monitor the outcome data D-develop review material and practice tests</p> <p>D-develop exit exam</p> <p>M-continue to monitor the outcome data</p>

Student Learning Outcome 5: The clinical laboratory science/medical technology graduate will possess basic knowledge, skills and relevant experiences in financial, operations, marketing and human resource management of the clinical laboratory to enable cost-effective, high quality, value-added laboratory services.

<u>Expected Level of Achievement</u>	<u>Actual Data From Assessment</u>	<u>Actions/Decisions</u>
<p>80% will pass certification exams on first try</p> <p>90% will finish CLS 428 with a score of 80%.</p> <p>90% of students will score satisfactory (80%) on exit exam questions dealing with basic knowledge of financial, operations, marketing and human resource management for cost effective, high quality laboratory services</p> <p>3.5 mean on graduate, alumni, employer survey questions dealing with financial, operations, and human resource management skills for clinical laboratory scientist</p>	<p>90% pass rate for first time takers</p> <p>100% of students in CLS 428 scored 80% or better.</p> <p>None available</p> <p>None available</p>	<p>M-continue to monitor outcomes</p> <p>R-revise CLS.428 to better ensure students have the basic knowledge and information to produce high quality, value-added laboratory services.</p> <p>D-develop an exit exam with specific question to assure students basic knowledge of financial, operations, marketing and human resource management to ensure cost effective high quality delivery of laboratory services</p> <p>D-develop questions to add to the surveys on basic knowledge, and skills relevant to financial, operations, and human resource management skills for clinical laboratory scientists</p>