

# PBT to MLT to MT...Online!!!

An Overview of Barton's MLT  
Program Online Option

# Barton's MLT Program

- The Traditional Campus-Based MLT Program
  - Who? *Barton County Community College*
  - What? *Campus-Based Associate-Degree MLT Program*
  - When? *1977*
  - Where? *Great Bend, Kansas*
  - Why? *To provide medical laboratory training at the associate-degree level to help meet the staffing needs of medical laboratories in Kansas*

# Barton's MLT Program

- The Hybrid Online MLT Program
  - Who? *Barton County Community College*
  - What? *Hybrid online option of associate-degree MLT Program*
  - When? *1999*
  - Where? *Online; Cooperating laboratory; Periodic visits to campus*
  - Why? *To provide medical laboratory training at the associate-degree level to help meet the staffing needs of medical laboratories*

# Barton's MLT Program

- The Northeast Kansas/Kansas City Metropolitan Hybrid Online MLT Program
  - Who? *Barton County Community College*
  - What? *Hybrid online option of associate-degree MLT Program*
  - When? *2004*
  - Where? *Online; Cooperating laboratory; Periodic visits from NE Kansas Coordinator*
  - Why? *To provide medical laboratory training at the associate-degree level to help meet the staffing needs of medical laboratories*

# Barton's MLT Program

- The Southeast Kansas Initiative
  - Who? *Barton County Community College*
  - What? *Hybrid online option of associate-degree MLT Program*
  - When? *2008*
  - Where? *Online; Cooperating laboratory; Coffeyville Community College; Periodic visits from SE Kansas Coordinator*
  - Why? *To provide medical laboratory training at the associate-degree level to help meet the staffing needs of medical laboratories*

# Barton's MLT Program

- The South-Central Kansas Initiative
  - Who? *Barton County Community College*
  - What? *Hybrid online option of associate-degree MLT Program*
  - When? *2009*
  - Where? *Online; Cooperating laboratory; Winfield; Periodic visits from SC Kansas Coordinator*
  - Why? *To provide medical laboratory training at the associate-degree level to help meet the staffing needs of medical laboratories*

# Barton's MLT Program

- Staff

- Director/instructor: *Cheryl Lippert, MBA, MT(ASCP), CLS(NCA)*
- Clinical Coordinator/Instructor: *Judy Miller, BS, MT(ASCP)*
- Associate Faculty: *Louise Masden, MS, MT(ASCP)*
- Associate Faculty: *Dana Weber, MLT(ASCP)*
- Secretary: *Lana Besthorn*

# Barton's MLT Program

- Memorandum of Agreements with:
  - NE Kansas & KC Metropolitan Coordinator: **Jessica Smith** at Metropolitan Community College, Penn Valley  
816 604 4024      Jessica.Smith@mckkc.edu
  - SE Kansas Coordinator: **Lisa Miller**, MLT(ASCP), RMA at Coffeyville Community College  
620 255 7550      lisam@coffeyville.edu
  - SC Kansas Coordinator: **Janet Bogle, RN** at Cowley Community College at Winfield, KS  
620 229 5982      BogleJ@cowley.edu

# Barton's MLT Program

- Accreditation
  - National Accrediting Agency for Clinical Laboratory Sciences (NAACLS)
    - 5600 N. River Rd. Suite 720, Rosemont, IL 60018-5119
    - 847.939.3597                      *www.naacls.org*
  - Barton Visited in September 2003
  - Awarded accreditation for the maximum (7 years) time frame

# CLIA

- Testing Personnel Qualifications for Laboratories Performing High Complexity Testing
  - “(2) (i) *Have earned an associate degree in a laboratory science or medical laboratory technology from an accredited institution*”
    - CLIA, Subpart M, 493.1489

# Barton's Hybrid Online MLT Option

- General Education, Math and Supportive Science Courses
  - General Education
    - English Composition I
    - General Psychology
    - Public Speaking or Interpersonal Communications
  - Math
    - College Algebra

# Barton's Hybrid Online MLT Option

- General Education, Math and Supportive Science Courses
  - Supportive Science
    - Anatomy & Physiology
    - Chemistry
    - Microbiology
  - Other
    - Elective Approved by the MLT Advisor
      - Medical Terminology

# Barton's Hybrid Online MLT Option

- Medical Laboratory Technician Courses
  - Fall Semester, 1<sup>st</sup> Year
    - Introduction to the Medical Laboratory, Urinalysis & Body Fluids
    - Principles of Phlebotomy
  - Spring Semester, 1<sup>st</sup> Year
    - Hematology & Coagulation
    - Immunology & Serology

# Barton's Hybrid Online MLT Option

- Medical Laboratory Technician Courses
  - Summer Session, 1<sup>st</sup> Year
    - Clinical Practicum I
      - 8 weeks internship in specimen collection, urinalysis, hematology, coagulation & serology,
      - at a clinical affiliate of Barton's MLT Program

# Barton's Hybrid Online MLT Option

- Medical Laboratory Technician Courses
  - Fall Semester, 2<sup>nd</sup> Year
    - Clinical Chemistry I
    - Clinical Microbiology I
    - Seminar in Laboratory Medicine
  - Spring Semester, 2<sup>nd</sup> Year
    - Blood Banking
    - Clinical Chemistry II
    - Clinical Microbiology II
    - Seminar in Laboratory Medicine

# Barton's Hybrid Online MLT Option

- Medical Laboratory Technician Courses
  - Summer Session, 2<sup>nd</sup> Year
    - Clinical Practicum II
      - 10 weeks internship in Blood Banking, Chemistry & Microbiology
      - at a clinical affiliate of Barton's MLT Program

# Barton's Hybrid Online MLT Option

- General Education and Supportive Science Courses
  - Can be taken from local providers...community colleges, colleges and universities
  - Can be taken online
    - BartONLINE ([www.bartononline.org](http://www.bartononline.org))
    - EduKan ([www.edukan.org](http://www.edukan.org))
    - The Virtual College ([www.fhsu.edu/virtualcollege](http://www.fhsu.edu/virtualcollege))
    - Others

# Barton's Hybrid Online MLT Option

- MLT courses
  - ...the **lecture component** is delivered via a course authoring platform (eCollege)
    - Student progress is monitored and coordinated by course instructors
    - Exams are taken online and require the presence of an approved proctor

# Barton's Hybrid Online MLT Option

- MLT courses
  - ...the **laboratory component** takes place in a “Cooperating Laboratory”
    - Performance Competencies
    - Guide for the Student and Their Cooperating Laboratory

# Barton's Hybrid Online MLT Option

- MLT courses
  - ...the **internship component** takes place in a “Clinical Affiliate”
    - Performance Competencies

# Benefits for the Student

- You can continue to work full-time or part-time while taking classes
- You can select the pace at which you pursue the curriculum
- You can choose the provider for your general education courses

# Benefits for the Student

- You can access online course materials at any time, flexing around your work schedule
- You can benefit from the support of your facility as a “cooperating laboratory” and “clinical affiliate”
- Federal and other financial aid is available to those who qualify

# Benefits for the Student

- You can continue after Barton and career ladder to the MT level

# Benefits for the Clinical Partner

- “You would be planning proactively for future staffing needs.”
- “You would be investing in the future of employees who already have proven track records with your organization.”
- “Your employees could advance their education without leaving work or home.”

# Benefits for the Clinical Partner

- “Your employees would be trained in your own procedures and policies, reducing the time required for new employee orientation.”
- “You would not have to advertise, pay sign-on bonuses, or moving expenses.”

# Benefits for the Clinical Partner

- “Because your employees already are established in your community, you could be fairly certain that they would stay with your laboratory after completing their degree and obtaining certification.”
- “Your employees would feel increased loyalty to your institution for helping them achieve their educational goals.”

# Benefits for the Clinical Partner

- “Teaching can revitalize long-term employees who no longer find their jobs challenging.”
- “A teaching environment helps keep staff on their toes.”
  - *Polansky. Growing Your Own: A Long-Term Solution to Your Staffing Needs. Clinical Leadership & Management Review. May/June 2003. 178-181.*

# Prospective Students

- Phlebotomists
- Laboratory assistants
- Clerical staff
- EMTs, Paramedics, CNAs, CMAs, LPNs
- College students with a biology or chemistry background

# Critical Success Factors

- The student must...
  - ...identify and solicit the support of a clinical partner
  - ...manage the financial impact
  - ...make arrangements and plans to complete the required clinical practica (internships)
  - ...make arrangements to meet with a Barton MLT representative on a periodic basis

# Critical Success Factors

- The student must...
  - ...have a manageable balance of employment, classes and family commitments
  - ...identify and solicit the support of a proctor
  - ...make arrangements and plans to take the necessary general education courses
  - ...have appropriate personal management attributes

# Critical Success Factors

- The student must...
  - ...have basic computer skills
  - ...have reliable access to a computer
  - ...have reliable Internet access

# Program Options

- Phlebotomy Training
  - “Formal Structured Program”
    - Eligibility for certification as a phlebotomy technician
      - 3-credit-hour Principles of Phlebotomy course
      - 1-credit-hour Phlebotomy Clinical (120 hours)
  - Offered 5 times per year
    - August-December, October-December, January-May, March-May and June-July

# Program Options

- MLT Program--Traditional Time-Frame
  - Fall and Spring semesters, 1<sup>st</sup>-year
  - Summer session, 1<sup>st</sup>-year
    - Clinical Practicum I
  - Fall and Spring semesters, 2<sup>nd</sup>-year
  - Summer session, 2<sup>nd</sup>-year
    - Clinical Practicum II

# Program Options

- MLT Program--“Fast Track” Option
  - For students who have already completed most of the math and science and general education courses
  - Fall and Spring semesters
  - Summer session
    - Clinical Practicum I
    - Clinical Practicum II

# After Barton...

## MLT to MT

- University of Cincinnati
  - [www.clsonline.uc.edu](http://www.clsonline.uc.edu)
- University of Nebraska
  - [www.unmc.edu/alliedhealth/cls/bscls/](http://www.unmc.edu/alliedhealth/cls/bscls/)
- Weber State University
  - [www.weber.edu/CLS/degrees/online/BS.html](http://www.weber.edu/CLS/degrees/online/BS.html)

# After Barton...

## MLT to MT

- ASCLS Online Directory
  - [www.ascls.org/leadership/sa/esa.asp#CLEP-Online](http://www.ascls.org/leadership/sa/esa.asp#CLEP-Online)

# Conclusion

- Opportunities
  - For Students
  - For Clinical Partners
  - For Barton Community College
- Challenges
  - For Students
  - For Clinical Partners
  - For Barton Community College

# QUESTIONS?



Laboratory Professionals

# Get Results