

Multi-Competency Health

**Associate of Applied Science Degree or
Associate of Technical Studies Degree
Basic Electrocardiography Certificate
Health Care Manager Certificate
Histology Certificate (Accredited by NAACLS)
Phlebotomy Certificate (Approved by
NAACLS)**

Many health care facilities have reorganized, and the job roles within these systems have adjusted to provide care and services based on patient needs. Many employment opportunities have been created for the individual who has documented competencies in a variety of health care skills. Multi-Competency Health provides the flexibility for students to gain these important skills in health care. Many of these courses require a clinical placement. Fingerprinting and drug screening may be required for this clinical placement. The student has many options from which to choose in Multi-Competency Health.

Option 1: Associate Degree

An Associate of Applied Science degree (A.A.S.) or an Associate of Technical Studies degree (A.T.S.) in Multi-Competency Health can be obtained by:

A) Associate of Applied Science (A.A.S.) option: A student may earn this degree option by choosing two or more certificate programs, one of which must be in MULT or NURC (Nursing Certificate programs), and at least six hours of technical options for a minimum of 49 technical hours. The student also completes the required general education courses, the required basic related courses, and the technical core courses. This degree allows the student to choose the multi-skill grouping of certificates that best suits his/her interest or employer needs.

B) Associate of Technical Students (A.T.S.) option: "Designing Your Own Degree" (Refer to the Graduation Requirements for the A.T.S. in the College Catalog.)

Upon completion of the associate degree requirements in Multi-Competency Health, the graduate will be able to:

- Use medical terminology correctly.
- Recognize life-threatening situations and take

appropriate action.

- Demonstrate proficiency in technical skills.
- Work in a health care organization as a valued member of the health care team.
- Demonstrate interpersonal communication skills.
- Demonstrate effective infection control and safety practices.

Option 2: Certificate Programs

Many certificate programs are offered through the Multi-Competency Health Technology. These are focused technical programs that result in a certificate of completion. The certificate programs range from those designed for anyone interested to those that require completion of a health care program or specific licensure. Many area health care employers are interested in students who have successfully completed one or more of these certificates.

Option 3: Enhance or Complement Primary Skills in Nursing or Allied Health

There are many courses within Multi-Competency Health that can be taken in association with the degree option, as a complement to a certificate program, or as stand-alone courses that meet a professional need or personal interest. The requirements for each course vary. Many of these courses are open to all students and have no prerequisites. Others require completion of a health record.

Basic Electrocardiography (EKG) Certificate

A student completing the EKG Certificate will be able to:

- Position leads and operate electrocardiographic equipment correctly.
- Obtain and prepare an electrocardiography recording for analysis by a physician.
- Recognize and correct technical errors in an electrocardiography recording.
- Provide safe, professional, direct patient contact, specifically in the areas of infection control, electrical safety, privacy and environmental safety.

Health Care Manager Certificate (Online Certificate)

A student completing the Health Care Manager Certificate will be able to:

- Apply theories and principles of human resource

management to real life health care situations.

- Generate action plans, implementation activities, and evaluation processes to assure continuous quality improvement in health care institutions.
- Apply strategies, processes and current trends in health care management.
- Understand risk management and the underlying legal principles inherent in the health care system.

All of the Health Care Management Certificate courses are completed online.

Histology Certificate

Acceptance into program is required.

A student completing the Histology Certificate will be able to:

- Receive and accession tissue specimens.
- Prepare tissue specimens for microscopic examination, including all routine procedures.
- Assist with frozen section procedures in histopathology.
- Identify tissue structures and their staining characteristics.
- Perform preventive and corrective maintenance of equipment and instruments or refer to appropriate sources for repairs.
- Recognize factors that affect procedures and results, and take appropriate action within predetermined limits when corrections are indicated.
- Perform and monitor quality control within predetermined limits.
- Apply principles of safety.
- Demonstrate professional conduct and interpersonal communication skills with patients, laboratory personnel, other health care professionals, and with the public.
- Recognize responsibilities of other laboratory and health care personnel and interact with them with respect for their jobs and patient care.
- Recognize and act upon individual needs for continuing education as a function of growth and maintenance of professional competence.
- Exercise principles of management, safety, and supervision.
- Complete eligibility requirements to sit for the American Society for Clinical Pathology Histotechnician certification exam.

Phlebotomy Certificate

A student completing the Phlebotomy certificate will be able to:

- Communicate (verbally and nonverbally) effectively and appropriately in the workplace.
- Demonstrate knowledge of the health care delivery system and medical terminology.
- Demonstrate knowledge of infection control and safety.
- Demonstrate basic understanding of the anatomy and physiology of the main body systems, and demonstrate basic knowledge of the circulatory, urinary, and other body systems necessary to perform specimen collection tasks.
- Demonstrate understanding of the importance of specimen collection and specimen integrity in the delivery of patient care.
- Demonstrate knowledge of collection equipment, various types of additives used, special precautions necessary, and substances that can interfere in clinical analysis of blood constituents.
- Follow standard operating procedures to collect specimens.
- Demonstrate understanding of requisitioning, specimen transport and specimen processing.
- Demonstrate understanding of quality assurance and quality control in phlebotomy.
- Complete eligibility requirements to sit for American Society for the Clinical Pathology certification exam.

Specific Program Admissions Information

Listed below are additional requirements that may apply for admission to the degree programs in Multi-Competency Health Technology.

- High school graduate or GED equivalency
- Recommended high school (or equivalent) courses in algebra (grade of “C” or better), biology (grade of “C” or better) and chemistry (grade of “C” or better)
- Completed health statement (See Health Records Office for detailed requirements.)
- Fingerprinting for background check
- Drug screening

Multi-Competency Health Associate Degree

General Education Requirements

COURSE

CR

| | | |
|----------|--|---|
| ENGL 101 | Beginning Composition | 3 |
| ENGL 102 | Essay and Research | 3 |
| COMM 105 | Speech | 3 |
| HUM XXX | Humanities 111, 112, 113, 151, 152 or 224..... | 5 |
| SSCI XXX | Social Science 100, 101, 102, 104, 105 | 5 |
| COMM 200 | Business Communications | 3 |

Basic Studies Requirements (specific to degree track)

| COURSE | | CR |
|----------|--|----|
| MATH 102 | Beginning Algebra I | 4 |
| BIO 215 | Microbiology | 5 |
| BIO 261 | Human Anatomy (<i>or</i>) | |
| BIO 121 | Anatomy, Physiology and Pathology I | 5 |
| BIO 262 | Human Physiology (<i>or</i>) | |
| BIO 122 | Anatomy, Physiology and Pathology II | 5 |
| CHEM 113 | Elements of Organic and Biochemistry | 5 |
| BIO 263 | Human Pathophysiology | 5 |

These requirements may vary according to major/plan of study.

Technical Studies Core – Required

| COURSE | | CR |
|----------|---|----|
| MULT 101 | Medical Terminology | 2 |
| MULT 102 | Cardiopulmonary Resuscitation (CPR) | 1 |

Students must select a minimum of 6 credit hours from technical options courses.

Technical Option Courses

Any Multi-Competency course will be accepted as a Technical Options course (when not used as part of a student’s identified certificate program).

| | | |
|-----------|--|------|
| MULT 103 | Responding to Emergencies | 2 |
| MULT 105 | Exploring Healthcare Professions | 1 |
| MULT 110 | Basic Electrocardiography | 6 |
| MULT 114 | Phlebotomy Practicum II | 1.5 |
| MULT 115 | Phlebotomy | 4.75 |
| MULT 116 | Venipuncture for Health Care Providers | 2 |
| MULT 127 | Patient Care Assistant | 5 |
| MULT 128 | Introduction to Patient Care Assistant | 5 |
| MULT 135 | Basic PCA/MSP Training | 4 |
| MULT 136 | Advanced Patient Care Assistant | 2 |
| MULT 137 | Phlebotomy Training | 4 |
| MULT 138 | EKG Training | 2 |
| MUTL 139 | Basic PCA Training | 4 |
| MULT 140 | Patient Care Technician Training | 3 |
| MULT 150* | Histologic Techniques | 3 |
| MULT 151* | Histologic Techniques Clinical | 2 |
| MULT 152* | Tissue Identification | 3 |
| MULT 154* | Chemistry of Stains I..... | 3 |
| MULT 155* | Chemistry of Stains I Clinical | 2 |
| MULT 156* | Chemistry of Stains II..... | 3 |
| MULT 157* | Chemistry of Stains II Clinical | 2 |
| MULT 171 | Current Issues: HIV | 1 |
| MULT 270 | Human Resources Management for Health Services | 4 |
| MULT 272 | Health Care Resources Management | 4 |
| MULT 274 | TQM/UM Accreditation | 4 |
| MULT 276 | Legal Aspects and Risk Management | 3 |
| MULT 290 | Special Topics in Health Care | 1-5 |
| MULT 291 | Special Topics in Health Care Facilities | 1-5 |

*Must be accepted into Histology Certificate Program to take these courses.

Associate of Applied Science Degree

This degree requires two or more certificate programs, one of which must be in MULT and the other may be in MULT or NURC, and at least six hours of Technical Options courses for a minimum of 49 technical hours. The following is a suggested curriculum plan.

| COURSE | | CR |
|--------------------------------|---|-----------|
| Quarter 1 | | |
| ENGL 101 | Beginning Composition | 3 |
| MATH 102 | Beginning Algebra I | 4 |
| CHEM 113 | Elements of Organic and Biochemistry..... | 5 |
| MULT 101 | Medical Terminology | 2 |
| MULT XXX* | Technical Certificate Course | 3 |
| TOTAL CREDIT HOURS..... | | 17 |

| | | |
|---------------------------------|---|-----------|
| Quarter 2 | | |
| ENGL 102 | Essay and Research..... | 3 |
| BIO 121 | Anatomy, Physiology and Pathology I (<i>or</i>) | |
| BIO 261 | Human Anatomy..... | 5 |
| MULT XXX* | Technical Certificate Course | 5 |
| MULT XXX* | Technical Certificate Course | 3 |
| TOTAL CREDIT HOURS | | 16 |

| | | |
|--------------------------------|---|-----------|
| Quarter 3 | | |
| MULT XXX* | Technical Certificate Course | 3 |
| HUM XXX | 111, 112, 113, 151, 152, or 224..... | 5 |
| MULT 102 | CPR..... | 1 |
| BIO 122 | Anatomy, Phys. and Pathology II (<i>or</i>) | |
| BIO 262 | Human Physiology..... | 5 |
| MULT XXX | Technical Options Course | 3 |
| TOTAL CREDIT HOURS..... | | 17 |

| | | |
|--------------------------------|--|-----------|
| Quarter 4 | | |
| SSCI XXX | Social Science 100, 101, 102, 104, 105 | 5 |
| BIO 215 | Microbiology | 5 |
| MULT XXX* | Technical Certificate Course | 3 |
| MULT XXX | Technical Options Course | 3 |
| TOTAL CREDIT HOURS..... | | 16 |

| | | |
|--------------------------------|------------------------------------|-----------|
| Quarter 5 | | |
| COMM 105 | Speech..... | 3 |
| MULT XXX* | Technical Certificate Course | 5 |
| MULT XXX* | Technical Certificate Course | 3 |
| MULT XXX* | Technical Certificate Course | 3 |
| TOTAL CREDIT HOURS..... | | 14 |

| | | |
|---------------------------------------|------------------------------------|-----------|
| Quarter 6 | | |
| MULT XXX* | Technical Certificate Course | 5 |
| MULT XXX* | Technical Certificate Course | 5 |
| MULT XXX | Technical Options Course | 3 |
| COMM 200 | Business Communications..... | 3 |
| TOTAL CREDIT HOURS..... | | 16 |
| TOTAL DEGREE CREDIT HOURS..... | | 96 |

*NURC courses may fulfill this requirement

Basic Electrocardiography (EKG) Certificate

| COURSE | CR |
|--|----------|
| Quarter 1 | |
| MULT 110 Basic Electrocardiography (EKG) | 6 |
| TOTAL CREDIT HOURS | 6 |
| TOTAL CERTIFICATE CREDITS HOURS | 6 |

Health Care Manager Certificate*

*This program is offered online.

| COURSE | CR |
|--|-----------|
| Quarter 1 | |
| CIT 101 PC Applications I | 3 |
| BMGT 218 Management Training for Supervisors | 5 |
| TOTAL CREDIT HOURS | 8 |
| Quarter 2 | |
| MULT 270 Human Resource Management in Health Services Organizations | 4 |
| TOTAL CREDIT HOURS | 4 |
| Quarter 3 | |
| MULT 276 Legal Aspects and Risk Management | 3 |
| TOTAL CREDIT HOURS | 3 |
| Quarter 4 | |
| MULT 272 Health Care Resource Management | 4 |
| TOTAL CREDIT HOURS | 4 |
| Quarter 5 | |
| MULT 274 TQM/UM/Accreditation | 4 |
| TOTAL CREDIT HOURS | 4 |
| TOTAL CERTIFICATE CREDIT HOURS | 23 |

Healthcare Management courses may be taken in any order.

Histology Certificate

*Some courses are offered online.

| COURSE | CR |
|--|----------|
| Quarter 1 | |
| MULT 150* Histologic Techniques | 3 |
| MULT 151 Histologic Techniques Clinical | 2 |
| MULT 152* Tissue Identification | 3 |
| TOTAL CREDIT HOURS | 8 |
| Quarter 2 | |
| MULT 154* Chemistry of Stains I | 3 |
| MULT 155 Chemistry of Stains Clinical I | 2 |
| TOTAL CREDIT HOURS | 5 |
| Quarter 3 | |
| MULT 156* Chemistry of Stains II | 3 |
| MULT 157 Chemistry of Stains Clinical II | 2 |

TOTAL CREDIT HOURS..... 5
TOTAL CERTIFICATE CREDIT HOURS..... 18

*Curriculum plans are available in the Multi-Competency Health Office.
 This certificate is earned by taking the theory courses online while attending a clinical experience for the clinical courses. The clinical experience is performed in clinical facilities, not necessarily in Columbus, with whom the college has affiliation agreements.

Phlebotomy Certificate

| COURSE | CR |
|---|-------------|
| Quarter 1 | |
| MULT 115 Phlebotomy | 4.75 |
| TOTAL CREDIT HOURS | 4.75 |
| Quarter 2 | |
| MULT 114 Phlebotomy Practicum II | 1.5 |
| TOTAL CREDIT HOURS | 1.5 |
| TOTAL CERTIFICATE CREDIT HOURS | 6.25 |

Multi-Competency Health (MULT)

MULT 101 Medical Terminology (A, W, SP, SU, DL) 2 credits
 This introductory online course provides an overview of medical language. Emphasis will be placed on terms that are practical and commonly found in the day-to-day work of all allied health professions. This concise course gives basic principles for understanding the language with an overview of terms from many areas of medicine.
 Lecture: 2 hours – Lab: 0 hours
 Prerequisite: Placement into ENGL 101 Lab fee: \$5.00

MULT 102 Cardiopulmonary Resuscitation (CPR) (A, W, SP, SU)

1 credit

Cardiopulmonary resuscitation and foreign body airway obstruction removal for adults, children and infants. This course includes training on the use of bag valve masks, automated external defibrillators (AED) and cricoid pressure. Students completing this course are eligible for American Heart Association Healthcare Provider certification. This course follows 2005 Emergency Cardiac Care (ECC) guidelines and is professional level CPR, only students in a pre-health or health program may take this course. This is a one-day course held on main campus. Certification is good for two years. It may be repeated only with an instructor/coordinator signature.
 Lecture: 1 hour – Lab: 0 hours
 Prerequisite: Placement into ENGL 101 Lab fee: \$40.00

MULT 103 Responding to Emergencies (A, W, SP, SU) 2 credits
 Requirements for Red Cross Certification including artificial respiration, bleeding control, treatment of shock, and care of fractures are presented This course includes MULT 102, American Heart Association CPR-Basic Life Support.
 Lecture: 1 hour – Lab: 2 hours
 Lab fee: \$55.00

MULT 104 Adult and Pediatric CPR (for Non-Health Care

Providers) (A, W, SP, SU) 1 credit

This course is based on the guidelines and standards set forth by the American Heart Association (AHA) in Heartsaver AED CPR. This course covers Adult and Pediatric Cardiopulmonary Resuscitation (CPR), Automated External Defibrillation (AED) and care to relieve a foreign body airway obstruction (FBAO) for the non-health care professional audience. Guidelines 2005 for CPR and Emergency Cardiovascular Care are presented and practiced by the student.

Lecture: 1 hour – Lab: 0 hours Lab fee: \$40.00

MULT 105 Exploring the Healthcare Professions (A, W, SP, SU, DL) 1 credit

This course encourages the learner to explore a personal interest in the health care field. The health care profession has many career pathways to consider and this course is designed to help the learner to understand his/her personal and professional interest as a health professional. The course will also address special topic and current issues related to health care.

Lecture: 1 hour

Prerequisite: Placement into ENGL 101

MULT 110 Basic Electrocardiography (EKG) (A, SP) 6 credits

This course is designed to provide basic entry-level skills in cardiovascular technology. The course covers an introduction to health care, anatomy and physiology of the heart, operation of the electrocardiograph and recording of EKG's, cardiac pathology and basic cardiac rhythm recognition skills. Completion of the course qualifies the student to function as an EKG technician, a skill ordinarily utilized in an acute health care setting or physician's office. This course includes 24 hours of clinical experience.

Lecture: 5 hours – Lab: 2 hours Lab fee: \$38.00

Prerequisites: Placement into ENGL 101 and completion of a health record.

MULT 114 Phlebotomy Practicum II (A, W, SP) 1.5 credits

This course is designed to be a continuation of MULT 115 by providing an additional 60 hours clinical phlebotomy experience and requiring an additional 60 successful blood collections in a hospital in central Ohio or surrounding county. Phlebotomy Practicum II is designed for students who intend to be a professional phlebotomist and will be arranged individually. MULT 114 and MULT 115 completes the NAACLS approved program.

Lecture: 0 hours – Clinical: 60 hours total

Prerequisites: Completed health record and completion of MULT 115 with a "C" or better Lab fee: \$10.00

MULT 115 Phlebotomy (W, SU) 4.75 credits

This is the first course in a 2-quarter sequence of the NAACLS approved Phlebotomy program. In both the classroom and hospital setting, students will perform blood collection using various equipment and employing venipuncture and capillary puncture techniques. Professional ethics and liability, composition and appearance of blood, safety, anticoagulants and clinical relevance of laboratory tests are studied. Problems encountered in phlebotomy. In addition to special specimen collection for transfusion services, blood cultures, coagulation tests, timed tests and the nursery also are reviewed. This course includes a 40-hour clinical experience and at least 40 successful blood collections in a health care facility in central Ohio or a surrounding county. Student must be available for an 8-hour daytime shift, one time per week

during the last half of the quarter for the clinical experience. Fingerprinting for a background check and drug screen are requirements for the clinical experience.

Lecture: 3 hours – Lab: 3 hours – Clinical: 40 hours total

Prerequisites: Completed health record, fingerprinting, attendance at a mandatory information session, MULT 101, and placement above or credit for ENGL 100 Lab fee: \$55.00

MULT 116 Venipuncture for Health Care Providers (A, SP)

2 credits

Basic blood collection techniques using vacuum tubes and syringes will be covered and practiced in a laboratory and clinical setting. Emphasis is on basic skills, safety and infection control. Not open to students who have credit for MULT 114 and MULT 115 This course includes a 30-hour clinical experience and at least 50 successful blood collections in a central Ohio health care facility.

Lecture: 1 hour – Lab: 4 hours

Prerequisite: Completed health record and be enrolled in Medical Laboratory Technology Program. MLT 250 Lab fee: \$28.00

MULT 127 Patient Care Assistant for the Workforce (A, W, SP, SU)

5 credits

This is a workforce training course for employees of health care systems which have a partnership with CSCC. Students gain knowledge and skills to function as patient care assistants.

Lecture: 3 hours – Lab: 4 hours

Prerequisite: Employee of health care system having a partnership with CSCC Lab fee: \$30.00

MULT 128 Introduction to Patient Care Assistant for the Workforce (A, W, SP, SU)

5 credits

This is a workforce training course for employees of health care systems which have entered into a partnership with CSCC. The student learns nurse aide training skills (basic patient care skills such as bathing, feeding, etc.) in order to work with patients prior to taking the Basic PCA/MSP training.

Lecture: 2 hours – Lab: 6 hours

Prerequisite: Employee of health care system having a partnership with CSCC

MULT 135 Basic PCA/MSP Training for the Workforce (A, W, SP, SU)

4 credits

This is a workforce training course for employees of health care facilities which have entered into a partnership with CSCC. In classroom, laboratory and clinical settings, students learn sterile techniques and patient care skills.

Lecture: 2 hours – Lab: 4 hours

Prerequisite: NATP or MULT 128 and current employee of health care facility having a partnership with CSCC

MULT 136 Advanced Patient Care Assistant for the Workforce (A, W, SP, SU)

2 credits

This is a workforce training program for employees of health care facilities which have entered into a partnership with CSCC. In classroom, laboratory, and clinical settings, students learn advanced patient care skills such as tracheostomy care.

Lecture: 1 hour – Lab: 2 hour

Prerequisite: MULT 135 and employee of health care facility having a partnership with Columbus State

MULT 137 Phlebotomy Training for the Workforce (A, W, SP, SU)

4 credits

This is a workforce training program for employees of health care facilities which have entered into a partnership with Columbus State. In classroom, laboratory and clinical settings, students learn the skills of drawing blood.

Lecture: 2 hours – Lab: 4 hours

Prerequisite: MULT 135 or permission of instructor and employee of health care facility having a partnership with Columbus State

MULT 138 EKG Training for the Workforce (A, W, SP, SU) 2 credits

This is a workforce training program for employees of health care facilities which have entered into a partnership with Columbus State. In classroom, laboratory and clinical settings, students learn the skill of performing electrocardiograms.

Lecture: 1 hour – Lab: 2 hours

Prerequisite: MULT 135 or permission of instructor and employee of facility having a partnership with Columbus State

MULT 139 Basic PCA Training for the Workforce (A, W, SP, SU) 4 credits

This is a workforce training program for employees of health care facilities which have entered into a partnership with Columbus State. In classroom and laboratory settings, students learn basic patient care skills.

Lecture: 2 hours – Lab: 4 hours

Prerequisite: Employee of facility having a partnership with Columbus State

MULT 140 Patient Care Technician Training for the Workforce (A, W, SP, SU) 3 credits

This is a workforce training program for employees of health care facilities which have entered into a partnership with Columbus State. In classroom and laboratory settings, students learn sterile technique and advanced patient care skills.

Lecture: 2 hour – Lab: 2 hours

Prerequisite: MULT 139 or permission of instructor and employee of health care facility having a partnership with Columbus State

MULT 150: Histologic Techniques (A, DL) 3 credits

This course provides an examination of all of the procedures that take place at the beginning of preparing a tissue sample for examination by the pathologist. These procedures include embedding techniques, tissue fixation, principles of microtomy and tissue processing.

Lecture: 3 hours – Lab: 0 hours

Prerequisites: “C” or better in MATH 102, MULT 101, BIO 261, and CHEM 113, placement into ENGL 101, and acceptance into the Histology Program

Corequisite: MULT 151, 152

MULT 151: Histologic Techniques Clinical (A) 2 credits

In this course, the student will apply the theory of the basic histologic techniques examined in MULT 150 in an authentic clinical setting.

Practicum: 15 hours/week

Prerequisites: “C” or better in MATH 102, MULT 101, BIO 261, and CHEM 113, placement into ENGL 101, and acceptance into the Histology Program

Corequisite: MULT 150, 152 Lab fee: \$25.00

MULT 152 Tissue Identification (A, DL) 3 credits

The structure and identification of tissue systems is emphasized at a

cellular level. The student will develop skills that will assist them in identification of different tissue sources. Subsequently, the tissue source will be correlated with tissue function.

Lecture: 3 hours – Lab: 0 hours

Prerequisites: “C” or better in MATH 102, MULT 101, BIO 261, and CHEM 113 and acceptance into the Histology Program.

Corequisite: MULT 150, 151

MULT 154 Chemistry of Stains I (W, DL) 3 credits

This course addresses the fundamentals and clinical significance of routine and special histological staining.

Lecture: 3 hours – Lab: 0 hours

Prerequisites: MULT 150 and MULT 152 with a “C” or better and MULT 151 with an “S”

Corequisite: MULT 155

MULT 155 Chemistry of Stains I Clinical (W) 2 credits

In this course, students will apply the concepts from MULT 154 in an authentic clinical setting.

Practicum: 15 hours/week

Prerequisites: MULT 150 and MULT 152 with a “C” or better, and MULT 151 with an “S”

Corequisite: MULT 154 Lab fee: \$25.00

MULT 156 Chemistry of Stains II (SP, DL) 3 credits

This course is a continuation of MULT 154 and will include special histology staining procedures including immunohistochemistry, and basic and advanced troubleshooting techniques.

Lecture: 3 hours – Lab: 0 hours

Prerequisites: MULT 154 with a “C” or better and MULT 155 with an “S”

Corequisite: MULT 157

MULT 157 Chemistry of Stains II Clinical (SP) 2 credits

In this course, students will apply the concepts from MULT 156 in an authentic clinical setting.

Practicum: 15 hours/week

Prerequisites: MULT 154 with a “C” or better and MULT 155 with an “S”

Corequisite: MULT 156 Lab fee: \$25.00

MULT 171 Current Issues: HIV Infection (A, W, SP, SU, DL)

1 credit

MULT 171 is an introductory course covering the psychological, social, legal, and epidemiologic issues surrounding HIV infection. MULT 171 is offered as a term course.

Lecture: 1 hour – Lab: 0 hours Lab fee: \$9.00

MULT 270 Human Resource Management for Health Services (W, SU, DL)

4 credits

The focus of this course is the application, analysis, synthesis, and evaluation of human resource management principles and practices for health care managers. Practical application to past and current life/work experience is provided and emphasized. Case studies are used as simulations to provide future application in the real work setting.

Lecture: 4 hours – Lab: 0 hours

Prerequisite: ENGL 101 Lab fee: \$5.00

MULT 272 Health Care Resource Management (W, S, DL)

4 credits

This course is designed to provide management approaches to

health care resources (budget, equipment, supplies, etc.). It is intended for health care managers with limited financial skills.

Lecture: 4 hours – Lab: 0 hours

Prerequisite: ENGL 101 Lab fee: \$5.00

MULT 274 TQM/UM/Accreditation (A, SP, DL) 4 credits

This course prepares health care professionals to apply, analyze, synthesize, and evaluate principles and practices of Total Quality Management (TQM), Utilization Management (UM), and Accreditation. TQM focuses on methods and systems to identify and resolve problems that interfere with optimal care and explore continuous quality improvement processes. UM enlightens the health care manager to their essential involvement in the review process and examines the meaning of utilization review to institutional performance. Accreditation process is presented in a practical manner to approach a very complex concern of health care managers. Health care managers will be more knowledgeable of and compliant with external accreditation processes.

Lecture: 4 hours – Lab: 0 hours

Prerequisite: ENGL 101 Lab fee: \$5.00

MULT 276 Legal Aspects and Risk Management (A, SP, DL)

3 credits

This course is designed to provide the student with an overview of the legal aspects and risk management of the health care system. It is intended for health care practitioners preparing to enter supervisory positions.

Lecture: 3 hours – Lab: 0 hours

Prerequisite: ENGL 101 Lab fee: \$5.00

MULT 290 Special Topics in Health Care (A, W, SP, SU)

1–5 credits

This is a workforce training course for employees of health care facilities which have entered into a partnership with CSCC. Various current and timely topics will be offered to give students an opportunity to expand their knowledge and/or skill level in a special area of interest.

Lecture: 1-5 hours (maximum of 10) – Lab: 0 hours

Prerequisite: Permission of instructor and employee of facility having a partnership with CSCC

MULT 291 Special Topics in Health Care for the Workforce (A, W, SP, SU)

1–5 credits

This is a workforce training program for employees of health care facilities which have entered into a partnership with CSCC. Students will discuss various current and timely topics related to patient care.

Lecture: 1-5 hours (maximum of 10) – Lab: 0 hours

Prerequisite: Permission of instructor and employee of facility having a partnership with CSCC

MULTI-COMPETENCY HEALTH

Chairperson, Connie Grossman, R.D.H., B.S., *The Ohio State University*, M.Ed., *Ohio University*

Coordinator, Assistant Professor Peggy Mayo, M.Ed. MLT (ASCP), *Ohio University*

Histology Advisory Committee

Mike Ballard HT (ASCP)Riverside/Grant Hospitals

Anna Cherry, HT (ASCP)OSU Hospitals

Jackie Grewe, HT(ASCP).....Riverside/Grant Hospitals

Connie Essman-Wood, HT (ASCP)Battelle Memorial Institute

Shaun Smith, HT(ASCP).....Department of Agriculture

Scott Fox, HT(ASCP)Department of Agriculture

David Ramey, Lab Director..... Adena Medical Center

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Judi Bussey-Adams Doctors Hospital

Karen Byrnes Mt. Carmel Health

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Denora Carlisle Quest Diagnostics

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Jennifer Reed..... Mt. Carmel Health

Karen Robinson..... Mt. Carmel Health

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