

Health Occupations Certificate (HOC)

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The Health Occupations Certificate provides skills that can lead to promotion and career enhancement for those with a background in health fields including Health Science, Emergency Medical Services, or Personal Fitness. The certificate also can provide a pathway toward a health-related associate's degree program. Students work with their advisor to select the elective courses that best meet their career goals.

Health Occupations Certificate (HOC)

All degree-seeking students must complete a First Year Experience (FYE) course as part of the first 12 credit hours taken at Cincinnati State.

Semester 1		Lec	Lab	Credits
EMS 100	CPR and First Aid for the Health Care Professional	1	0	1
IM 100	Computer Literacy	1	2	2
ENG 101	English Composition 1	3	0	3
XXX XXX HPS Track Electives				7
XXX XXX Humanities Elective				3
Semester 2				
MAT 130	Intermediate Algebra for Statistics	3	2	4
COMM 1XX Communication Elective				3
XXX XXX HPS Track Electives				7
Total Credits:		8	4	30

Electives

Humanities Elective

PSY 110	Introduction to Psychology	3
SOC 105	Introduction to Sociology	3

Communication Elective

COMM 105	Interpersonal Communication	3
COMM 110	Public Speaking	3

Choose one of the following tracks, in consultation with an advisor:

Emergency Medical Services Track Electives

EMS 110	Emergency Medical Technician Theory and Practice	7
EMS 120	Paramedic Anatomy and Physiology	3
MCH 104	Comprehensive Medical Terminology	3

Health Science Technology Track Electives

Select one of the following:		14
MCH 101 & MCH 102 & MCH 108 & MCH 114 & MCH 130	Medical Terminology 1 and Medical Terminology 2 and Professionalism in Healthcare and Law and Ethics for Healthcare and Nurse Aide Training	
MCH 104 & MCH 108 & MCH 114 & MCH 130	Comprehensive Medical Terminology and Professionalism in Healthcare and Law and Ethics for Healthcare and Nurse Aide Training	

MCH 101 & MCH 102 & MCH 108 & MCH 141 & MCH 142	Medical Terminology 1 and Medical Terminology 2 and Professionalism in Healthcare and Electrocardiography 1 and Electrocardiography 2
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MCH 104 & MCH 108 & MCH 141 & MCH 142	Comprehensive Medical Terminology and Professionalism in Healthcare and Electrocardiography 1 and Electrocardiography 2
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Personal Fitness Track Electives

HFT 151	Personal Fitness Trainer 1	4
HFT 152	Personal Fitness Trainer 2	4
MCH 108	Professionalism in Healthcare	3
HFT 156	Establishing a Personal Training Business	3

EMS Courses**EMS 100 CPR and First Aid for the Health Care Professional****1 Credit. 1 Lecture Hour. 0 Lab Hour.**

A course on life support and first aid skills. Topics include: one- and two-rescuer CPR and AED for adults, children, and infants; barrier devices; and resuscitator bags. Students who pass the course receive an American Heart Association CPR card for the Health Care Professional and First Aid card.

Prerequisites: None

EMS 103 Emergency Medical Responder Theory and Practice**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on how to provide immediate care for life-threatening injuries and illnesses, using the curriculum approved by the Ohio Department of Public Safety, Division of EMS. Students who pass the course are eligible for the NREMT certification exam.

Prerequisites: AFL 085 or appropriate placement test score

EMS 105 Emergency Medical Responder Refresher**1 Credit. 1 Lecture Hour. 0 Lab Hour.**

A course that provides Certified Emergency Medical Responders with a review of skills for providing immediate care for life-threatening injuries and illnesses. The course incorporates continuing education/recertification standards of the Ohio Department of Public Safety, Division of EMS.

Prerequisites: EMS 103 or current EMR certification

EMS 110 Emergency Medical Technician Theory and Practice**7 Credits. 5 Lecture Hours. 4 Lab Hours.**

A course on assessment, care, and transportation of the ill or injured patient, using the curriculum approved by the Ohio Department of Public Safety, Division of EMS. Students who pass the course are eligible for the NREMT certification exam.

Prerequisites: AFL 085 or appropriate placement test score

EMS 115 Emergency Medical Technician Refresher**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course that provides Certified Emergency Medical Technicians with a review of skills for assessment, care, and transportation of the ill or injured patient. The course incorporates continuing education/recertification standards of the Ohio Department of Public Safety, Division of EMS.

Prerequisites: EMS 110 or current EMT certification

EMS 120 Paramedic Anatomy and Physiology**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on the structure and function of the human body. Topics include: medical terminology, cells, tissues, and human organ systems.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

EMS 180 Emergency Medical Technician Field Experience Practicum**2 Credits. 0 Lecture Hour. 8 Lab Hours.**

Students who are certified EMTs gain unpaid work experience with a fire or emergency medical services department prior to entering the EMT-Paramedic Certificate program.

Prerequisites: EMS 110 and Ohio EMT certification

EMS 198 First Year Special Topics in Emergency Medical Technology**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Emergency Medical Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: None

EMS 199 First Year Independent Project in Emergency Medical Technology**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Emergency Medical Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Emergency Medical Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None

EMS 200 Advanced Cardiac Life Support Provider Theory and Practice**1 Credit. 1 Lecture Hour. 0 Lab Hour.**

A course on knowledge and skills for evaluating and managing the first 10 minutes of an episode of ventricular fibrillation/ventricular tachycardia experienced by an adult. Students must have completed or be enrolled in technical courses for Paramedic, Nursing, or Respiratory Technology.

Prerequisites: Instructor consent

EMS 205 Pediatric Advanced Life Support Theory and Practice**1 Credit. 1 Lecture Hour. 0 Lab Hour.**

A course on knowledge and skills for providing advanced life support care for an infant or child during the first 10 minutes of resuscitation efforts. Students must have completed or be enrolled in technical courses for Paramedic, Nursing or Respiratory Technology.

Prerequisites: Instructor consent

EMS 211 Paramedic 1**7 Credits. 7 Lecture Hours. 0 Lab Hour.**

A course on knowledge and skills needed by an Emergency Medical Technician to provide advanced life support care of the ill or injured patient. The curriculum follows guidelines approved by the Ohio Department of Public Safety, Division of EMS, and meets terminal objectives for the entry-level paramedic as outlined in the National Emergency Medical Services Educational Standards.

Prerequisites: EMS 110 and EMS 120 (minimum grade of C for both)

EMS 212 Paramedic 2**6 Credits. 6 Lecture Hours. 0 Lab Hour.**

A continuation of EMS 211, with ongoing study of the knowledge and skills needed for advanced life support care of the ill or injured patient. The curriculum follows guidelines approved by the Ohio Department of Public Safety, Division of EMS, and meets terminal objectives for the entry-level paramedic.

Prerequisites: EMS 211 and EMS 221 and EMS 231 (minimum grade of C for all)

EMS 213 Paramedic 3**6 Credits. 6 Lecture Hours. 0 Lab Hour.**

A continuation of EMS 212, with ongoing study of the knowledge and skills needed for advanced life support care of the ill or injured patient. The curriculum follows guidelines approved by the Ohio Department of Public Safety, Division of EMS, and meets terminal objectives for the entry-level paramedic.

Prerequisites: EMS 212 and EMS 222 and EMS 232 (minimum grade of C for all)

EMS 215 Paramedic Refresher**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course that provides Certified Paramedics with a review of skills for advanced life support care of the ill or injured patient. The course incorporates continuing education/recertification standards of the Ohio Department of Public Safety, Division of EMS.

Prerequisites: EMS 213 or current Paramedic certification

EMS 220 Emergency Medical Services Instructor Theory and Practice**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on techniques for teaching adult learners the knowledge and skills required for the Emergency Medical Services field, using the curriculum approved by the Ohio Department of Public Safety, Division of EMS. Students participate in supervised teaching experiences.

Prerequisites: Instructor consent

EMS 221 Paramedic 1 Lab**1 Credit. 0 Lecture Hour. 3 Lab Hours.**

A laboratory course that accompanies EMS 211, covering skills and interventions needed to properly assess and manage the ill or injured patient.

Prerequisites: EMS 110 and EMS 120 (minimum grade of C for both)

EMS 222 Paramedic 2 Lab**1 Credit. 0 Lecture Hour. 3 Lab Hours.**

A laboratory course that accompanies EMS 212, covering ongoing acquisition of skills and interventions needed to properly assess and manage the ill or injured patient.

Prerequisites: EMS 211 and EMS 221 and EMS 231 (minimum grade of C for all)

EMS 223 Paramedic 3 Lab**1 Credit. 0 Lecture Hour. 3 Lab Hours.**

A laboratory course that accompanies EMS 213, covering ongoing acquisition of skills and interventions needed to properly assess and manage the ill or injured patient.

Prerequisites: EMS 212 and EMS 222 and EMS 232 (minimum grade C for all)

EMS 231 Paramedic 1 Practicum

2 Credits. 1 Lecture Hour. 9 Lab Hours.

Students refine their patient assessment and management skills under the direct supervision of a clinical or internship preceptor, in the hospital clinical setting and field internship setting. Students must complete designated hours and skills.

Prerequisites: EMS 110 and EMS 120 (minimum grade of C for both)

EMS 232 Paramedic 2 Practicum

3 Credits. 1 Lecture Hour. 11 Lab Hours.

Students refine their patient assessment and management skills under the direct supervision of a clinical and/or internship preceptor, in the hospital clinical setting and field internship setting. Students must complete designated hours and skills.

Prerequisites: EMS 211 and EMS 221 and EMS 231 (minimum grade of C for all)

EMS 233 Paramedic 3 Practicum

3 Credits. 1 Lecture Hour. 11 Lab Hours.

Students refine their patient assessment and management skills under the direct supervision of a clinical and/or internship preceptor, in the hospital clinical setting and field internship setting. Students must complete designated hours and skills.

Prerequisites: EMS 212 and EMS 222 and EMS 232 (minimum grade C for all)

EMS 298 Second Year Special Topics in Emergency Medical Technology

1-9 Credits. 0 Lecture Hour. 0 Lab Hour.

A course on selected topics related to Emergency Medical Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: None

EMS 299 Second Year Independent Project in Emergency Medical Technology

1-9 Credits. 0 Lecture Hour. 0 Lab Hour.

A project related to Emergency Medical Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Emergency Medical Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None

HFT Courses

HFT 100 Lifeguarding

2 Credits. 1 Lecture Hour. 2 Lab Hours.

A course that prepares students for the American Red Cross Lifeguarding Certification. Topics include: recognizing and responding to aquatic emergencies, preventing drowning and injuries, and CPR for the Professional Rescuer.

Prerequisites: None

HFT 102 Journal Writing

2 Credits. 2 Lecture Hours. 0 Lab Hour.

A course on using journal writing to reduce stress. Topics include: journaling techniques for self reflection, self exploration, and self healing.

Prerequisites: None

HFT 104 Herbology

4 Credits. 4 Lecture Hours. 0 Lab Hour.

A course on herbal preparations and their effects on the human body. Topics include: properties of herbs, categorizing herbs, naturopathic formulas, herbal reactions, and analysis techniques for deficiencies.

Prerequisites: None

HFT 108 Aromatherapy

3 Credits. 2 Lecture Hours. 2 Lab Hours.

A course on using essential oils in clinical settings and personal life for specific conditions. Topics include: history; preparing a variety of blends; and understanding physiological, mental, and emotional effects of aromatherapy.

Prerequisites: None

HFT 116 Pilates Mat Instructor

2 Credits. 1 Lecture Hour. 2 Lab Hours.

A course that prepares students for the National Pilates Mat Certification Examination. Topics include: history and principles of Pilates, levels of exercises, safety guidelines, instructional concepts, and modifications for special populations.

Prerequisites: AFL 085 and AFM 095 or appropriate placement test scores

HFT 118 Yoga Teacher Training 1

5 Credits. 3 Lecture Hours. 4 Lab Hours.

A course that prepares students for National Yoga Alliance Certification. Topics include: building a personal practice, instructional concepts, safety guidelines, modifications for special populations, physical anatomy, and yoga techniques/practices

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

HFT 119 Yoga Teacher Training 2**5 Credits. 3 Lecture Hours. 4 Lab Hours.**

A continuation of HFT 118 that prepares students for National Yoga Alliance Certification. Topics include: guidelines, modifications for special populations, anatomy, and yoga techniques/practices.

Prerequisites: HFT 118

HFT 120 Alternative and Complementary Medicine**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on foundation concepts of alternative and complementary medicine. Topics include: mind-body techniques, movement-oriented approaches, community based health care practices, manual healing methods, biological treatments, and diet and nutrition in the prevention and treatment of disease.

Prerequisites: AFL 085 and AFM 095 or appropriate placement test scores

HFT 122 Group Fitness Instructor**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course that prepares students for the National Group Fitness Instructor Examination. Topics include: communication skills, instructional concepts, effective exercise design, choreography, safety guidelines, and modifications for special populations.

Prerequisites: AFL 085 and AFM 095 or appropriate placement test scores

HFT 124 Resistance Training Instructor**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on theories and guidelines for designing safe, effective, and efficient resistance training programs. Topics include: evaluation of biomechanical, physiologic, and genetic factors affecting strength and muscle tissue gain.

Prerequisites: HFT 122, HFT 128, HFT 152 (minimum grade C for all)

HFT 128 Aquatic Group Fitness Instructor**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on aquatic exercise principles, techniques, and group instruction skills for students pursuing aquatic group fitness instructor certification. Topics include: anatomy and physiology of aquatic exercise, effects of water on the body, movement analysis, and class formats.

Prerequisites: AFL 085 and AFM 095 or appropriate placement test scores

HFT 130 Foundations of Health and Wellness Programs**3 Credits. 2 Lecture Hours. 2 Lab Hours.**

A course on developing fitness and wellness programs for individuals and groups, emphasizing disease prevention and health promotion. Topics include: fitness testing for each fitness component, behavior modification, nutrition, stress management, addictions, sexually transmitted disease, and chronic disease.

Prerequisites: AFL 085 and AFM 095 or appropriate placement test scores

HFT 151 Personal Fitness Trainer 1**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A course on techniques used in the personal training fitness field. Topics include: the body's response to exercise, screening and consultation guidelines, dietary principles, and communication and documentation.

Prerequisites: AFL 085 and AFM 095 or appropriate placement test scores

HFT 152 Personal Fitness Trainer 2**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A continuation of HFT 151 that prepares students for the National Certified Personal Trainer Exam. Topics include: applying exercise principles, using therapeutic exercise, working with special populations, understanding legal issues, and analyzing and evaluating fitness techniques.

Prerequisites: HFT 151 (minimum grade C)

HFT 156 Establishing a Personal Training Business**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on strategies for promoting personal training services and establishing a client base. Topics include: using resources to build a client base, applying sales processes, networking, analyzing needs, and handling objections.

Prerequisites: HFT 151 (minimum grade C)

HFT 160 Aquatic Personal Trainer**2 Credits. 1 Lecture Hour. 2 Lab Hours.**

A course for experienced personal trainers who want to enter the aquatic fitness field. Topics include: effects of water properties on exercise programming, monitoring exercise intensity in aquatic environments, and aquatic exercise formats.

Prerequisites: HFT 152, HFT 182 (minimum grade C for both)

HFT 164 Health and Fitness Training: Chronic Diseases and Conditions**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on how common conditions affect the exercise response. Topics include: developing an exercise plan, and effects of medications on exercise performance.

Prerequisites: BIO 152 and (ENG 101 or ENG REQ) (minimum grade C for both)

HFT 168 Health and Fitness Training: Youth

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on current national guidelines for youth fitness and physical activity. Topics include: childhood obesity; the role of school, family, and community in youth fitness; and cultural and gender differences.

Prerequisites: ENG 101 or ENG REQC (minimum grade C)

HFT 172 Health and Fitness Training: Older Adults

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on the impact of exercise on quality of life for older adults. Topics include: ACSM guidelines for testing and prescription, effects of the aging process on exercise, and program development.

Prerequisites: ENG 101 or ENG REQC (minimum grade C)

HFT 176 Health and Fitness Training: Women's Health

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on exercise programming throughout a woman's life stages, including adolescence, prenatal, and menopause. Topics include: conditions that affect women and exercise, and program design.

Prerequisites: BIO 152 and (ENG 101 or ENG REQC) (minimum grade C for both)

HFT 180 Pilates Mat Practicum

2 Credits. 1 Lecture Hour. 7 Lab Hours.

Students apply Pilates knowledge and skills in a health and fitness setting by observing and assisting in Pilates Mat classes taught by a certified Pilates instructor.

Prerequisites: None

HFT 182 Personal Fitness Trainer Practicum

2 Credits. 1 Lecture Hour. 7 Lab Hours.

Students apply personal fitness training knowledge and skills in a health and fitness setting by observing and assisting with classes taught by a professional personal fitness trainer.

Prerequisites: HFT 151 (minimum grade C)

HFT 184 Yoga Internship 1

2 Credits. 1 Lecture Hour. 2 Lab Hours.

Students apply yoga knowledge and skills in a practice setting by observing and assisting in classes taught by a certified Yoga Instructor.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test scores

HFT 185 Yoga Internship 2

2 Credits. 1 Lecture Hour. 2 Lab Hours.

Students apply yoga knowledge and skills in a practice setting by observing and assisting in classes taught by a certified Yoga Instructor.

Prerequisites: HFT 184

HFT 198 First Year Special Topics in Health and Fitness Technology

1-9 Credits. 0 Lecture Hour. 0 Lab Hour.

A course on selected topics related to Health and Fitness Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: AFL 085 and AFM 095, or appropriate placement test score

HFT 199 First Year Independent Project in Health and Fitness Technology

1-9 Credits. 0 Lecture Hour. 0 Lab Hour.

A project related to Health and Fitness Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Health and Fitness Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Vary by section

HFT 250 Exercise Physiology

4 Credits. 3 Lecture Hours. 2 Lab Hours.

A course on the human body's response and adaptations to exercise and physical training. Topics include: the influence of exercise on body systems, optimal physiological adaptations for improving fitness and performance, and testing and programming related to exercise and fitness.

Prerequisites: BIO 152, ENG 101 or ENG REQC, HFT 130 (minimum grade C for all)

HFT 260 Health and Fitness Program Design

4 Credits. 3 Lecture Hours. 2 Lab Hours.

A course on skills for identifying, assessing, designing, promoting, implementing, and evaluating programs for health and fitness in various settings. Topics include: needs assessment, funding, marketing, and using tools for evaluating program outcomes.

Prerequisites: HFT 130, HFT 250 (minimum grade C for both)

HFT 294 Internship 1: Health and Fitness Technology**2 Credits. 1 Lecture Hour. 40 Lab Hours.**

Students seeking an associate's degree participate in their first unpaid field learning experience related to their degree. Students must follow applicable policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: EMS 100, HFT 250, and BUS 190 (minimum grade C for all)

HFT 298 Second Year Special Topics in Health and Fitness Technology**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Health and Fitness Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: None

HFT 299 Second Year Independent Project in Health and Fitness Technology**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Health and Fitness Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Health and Fitness Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Vary by section

MCH Courses**MCH 100 Healthcare Informatics****2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on technology used in the healthcare delivery system and electronic health records (EHR) management. Topics include: hardware, software, user interfaces, telecommunications and networks, and health management information systems.

Prerequisites: IM 105 or 20 wpm keyboarding speed

MCH 101 Medical Terminology 1**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on the basic structure of medical words and abbreviations. Topics include: prefixes, suffixes, word roots, combining forms, and singulars and plurals.

Prerequisites: AFL 085 or appropriate placement test score

MCH 102 Medical Terminology 2**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A continuation of MCH 101. Topics include: defining, pronouncing, and spelling medical terms using prefixes, suffixes, roots, and combined forms.

Prerequisites: MCH 101 (minimum grade C)

MCH 104 Comprehensive Medical Terminology**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A comprehensive study of medical terminology. Topics include: prefixes, suffixes, word roots, combining forms, singulars and plurals, and abbreviations associated with medical specialties.

Prerequisites: AFL 085 or appropriate placement test score

MCH 106 Health and Wellness Promotion**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on promoting health and wellness issues to the public. Topics include: self-empowerment, stress reduction, physical fitness, healthy eating, addiction avoidance, identifying and reducing risk factors in disease, and alternative therapies.

Prerequisites: None

MCH 108 Professionalism in Healthcare**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on professional standards applicable in healthcare settings. Topics include: communication skills, employability skills, healthcare teams, diversity, career planning, and professional development.

Prerequisites: AFL 080 or appropriate placement test score

MCH 110 Orientation to Health Records**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on the content and format of health records. Topics include: standard forms, legal issues related to health records, maintaining health records, and filing and retrieving diagnostic reports.

Prerequisites: MCH 101 (minimum grade C), and IM 105 or appropriate keyboarding score

MCH 112 Issues in Health Economics**2 Credits. 2 Lecture Hours. 0 Lab Hour.**

A course on current trends and concerns related to the economics of health care systems. Topics include: economic differences between medical care and other commodities.

Prerequisites: None

MCH 114 Law and Ethics for Healthcare

2 Credits. 2 Lecture Hours. 0 Lab Hour.

A course on fundamentals of medical jurisprudence and essentials of professional behavior in healthcare. Topics include: medical ethics, legal concerns in healthcare, and the healthcare provider's role as an agent of the physician.

Prerequisites: AFL 085 or appropriate placement test score

MCH 116 Cultural Competency for Health and Public Safety Professions

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on the influences of race, culture, and ethnicity in shaping values, belief systems, and behaviors of Health and Public Safety professionals and patients/clients.

Prerequisites: ENG 101

MCH 118 Quality Improvement in Healthcare

2 Credits. 2 Lecture Hours. 0 Lab Hour.

A course on quality improvement in healthcare, focused on patient-centered care. Topics include: organizations responsible for healthcare accreditation and regulation, healthcare provider departments that address regulations, and trends affecting delivery of quality healthcare services.

Prerequisites: AFL 085 or appropriate placement test score

MCH 120 Health Unit Coordinator Training

4 Credits. 3 Lecture Hours. 2 Lab Hours.

A course on skills required for entry-level medical clerical workers. Topics include: patient charts, transcribing nursing treatment, using computer software, medication, respiratory and physical therapy orders, X-ray and MRI scan procedures, nuclear medicine, ultrasound, and endoscopy.

Prerequisites: MCH 101 or MCH 104 (minimum grade C for either)

MCH 130 Nurse Aide Training

5 Credits. 4 Lecture Hours. 2 Lab Hours.

A course on caring for the elderly in long-term care facilities. Topics include: communication skills, mental health and social service needs, resident rights, safety and emergency procedures, and restorative services. Students who complete the course successfully are qualified to take the Ohio Board of Health Competency Evaluation Test.

Prerequisites: None

MCH 132 Patient Care Assistant Training

3 Credits. 2 Lecture Hours. 2 Lab Hours.

A course that prepares students for employment in acute care facilities as nursing assistive personnel. Topics include: role definition/classification, communication, basic anatomy/physiology concepts with associated observations, overview of nutrition/diet therapy, introduction to common pathologies, and commonly delegated skills.

Prerequisites: AFL 085 or appropriate placement test score, and MCH 130, and on State Nurse Aide Registry or eligible for Registry

MCH 134 Medication Aide Training

6 Credits. 4 Lecture Hours. 4 Lab Hours.

A course that prepares students to distribute medications in long-term care and residential care facilities, through a minimum of 80 hours of lecture and laboratory practice and 40 hours of clinical experience.

Prerequisites: MCH 130, and on State Nurse Aide Registry or have one year of experience in a residential care setting

MCH 136 Restorative Aide Training

2 Credits. 1 Lecture Hour. 2 Lab Hours.

A course on rehabilitation services used to return individuals to optimal mobility and functioning following various conditions. Topics include: lifting, moving, and ambulation procedures; care of individuals with musculoskeletal, neurological, and integumentary conditions; and restorative approaches to meeting nutrition, hydration, and personal care needs.

Prerequisites: MCH 130, and on State Nurse Aide Registry or eligible for Registry

MCH 138 Patient Care Skills

2 Credits. 1 Lecture Hour. 3 Lab Hours.

A course on fundamental health care concepts and skills for students planning a career in healthcare. Topics include: basic body mechanics, patient draping techniques, infection control techniques, oxygen therapy, and problem solving techniques.

Prerequisites: None

MCH 141 Electrocardiography 1

3 Credits. 2 Lecture Hours. 2 Lab Hours.

A course on basic principles of electrocardiography. Topics include: the electrical conductive system of the heart, patient preparation, setting up the ECG machine, and recognizing and correcting distortion problems.

Prerequisites: BIO 100 or BIO 111 (minimum grade C for either)

MCH 142 Electrocardiography 2**4 Credits. 3 Lecture Hours. 2 Lab Hours.**

A continuation of MCH 141, including review of basic electrocardiography and 12 lead ECG interpretation. Topics include: cardiac electrophysiology, common dysrhythmia recognition, advanced cardiac dysrhythmias, chamber enlargement, pacemakers, myocardial ischemia, injury, infarct patterns, and effects of drugs and electrolytes on the ECG.

Prerequisites: MCH 141 (minimum grade C) or certification in EMT, Paramedic, or Nursing

MCH 198 First Year Special Topics in Multi-Competency Health Technology**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Multi-Competency Health Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: None

MCH 199 First Year Independent Project in Multi-Competency Health Technology**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Multi-Competency Health Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Multi-Competency Health Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: None

MCH 298 Second Year Special Topics in Multi-Competency Health Technology**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A course on selected topics related to Multi-Competency Health Technology, which gives students opportunities to study information not currently covered in other courses. Grades issued are A, B, C, D, or F.

Prerequisites: None

MCH 299 Second Year Independent Project in Multi-Competency Health Technology**1-9 Credits. 0 Lecture Hour. 0 Lab Hour.**

A project related to Multi-Competency Health Technology that is completed by one or more students to meet specific educational goals. Projects must have prior approval and supervision by Multi-Competency Health Technology faculty. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: Vary by section