### General Education (GEN ED)

#### PRE-REQUISITES

- Can take BIOS 1100 Lab with BIOS 1120 to fulfill Area VI
- BIOS 1120 or 1600 or 1610 (1500) w/"C" or better
- BIOS 2110 w/"C" or better

#### REQUIRED COGNATES: 13-15 HRS

- BIOS 1120 Principles of Biology
- OR BIOS 1600 Biological Form and Function
- OR BIOS 1610 (1500) Molecular and Cellular Biology
- BIOS 2110 Human Anatomy
- BIOS 2400 Human Physiology

#### Area VIII

- HOL 1000 Holistics
- OR HPHE 1110 Healthy Living
- LWA 206 or LW 221

### Required Professional Theory Courses: 17 Hrs

- HPHE 1500 Foundations of Physical & Health Ed (F)
- BIOS 1120 or 1600 or 1610 (1500) w/"C" or better
- BIOS 2110 Human Anatomy
- BIOS 2400 Human Physiology
- Area VIII

#### REQUIRED PROFESSIONAL THEORY COURSES: 17 HRS

- HPHE 1810 Or 3810 First Aid
- HPHE 2980 Exercise Physiology
- HPHE 2400 Motor Development/Learning
- HPHE 2430 PE Methods: Early Elem (Sp)
- HPHE 2950 Functional Anatomy & biomechanics
- HPHE 2480 Aquatics (Sp)
- HPHE 3460 PE & HE Methods: Special Pops (F)
- HPHE 4470 PE & HE Methods: Elementary Methods (Sp)
- HPHE 4480 PE & HE Methods: Secondary Methods (F)
- HPHE 4000 Field Exper/Internship HPHE
- HPHE 2350 Theory of Coaching
- HPHE 3350 Advanced Theory of Coaching
- HPHE 2480 Aquatics (Sp)
- HPHE 2480 Aquatics (Sp)
- HPHE 2480 Aquatics (Sp)
- HPHE 2480 Aquatics (Sp)

### Required Professional Activity Courses: 17 Hrs

- HPHE 1610 Invasion Games (F)
- HPHE 1620 Net/Wall Games (Sp)
- HPHE 2950 Functional Anatomy & biomechanics
- HPHE 2980 Exercise Physiology
- HPHE 2400 Motor Development/Learning
- HPHE 2430 PE Methods: Early Elem (Sp)
- HPHE 2950 Functional Anatomy & biomechanics
- HPHE 2980 Exercise Physiology
- HPHE 2400 Motor Development/Learning
- HPHE 2430 PE Methods: Early Elem (Sp)

### Required Pedagogical Sequence for Certification in Michigan: 17 Hrs

- BIOS 1120
- HPHE 1500
- HPHE 1610 Invasion Games (F)
- HPHE 1620 Net/Wall Games (Sp)
- HPHE 1630 Target/Striking/Fielding Games (F)
- HPHE 1640 Skills & Instruction of Early Elem & Rhythmic Movements (Sp)
- HPHE 1650 Fitness Activities (F)
- HPHE 2480 Aquatics (Sp)
- HPHE 3460 PE & HE Methods: Special Pops (F)
- HPHE 4470 PE & HE Methods: Elementary Methods (Sp)
- HPHE 4480 PE & HE Methods: Secondary Methods (F)
- HPHE 4000 Field Exper/Internship HPHE
- HPHE 4100 HPHE Intern TE Seminar
- HPHE 4750 HPHE Intern Teaching
- LS 3050 K-12 Content Literacy
- ES 3950 School and Society

#### Required Pedagogical Sequence for Certification in Michigan: 17 Hrs

- Must receive grade “C” or better