

Health and Fitness Technology (HFT)

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The health and fitness technician works in many areas of health promotion, and must be able to motivate clients, adapt exercises to client needs, and monitor the safety and progress of clients.

Graduates of the Health and Fitness Technology program earn an Associate of Applied Science degree, while gaining knowledge and skills in anatomy and physiology, foundations of exercise, health and wellness principles, and emergency procedures. Graduates also gain business and computer skills.

While completing requirements for the associate's degree, students complete the Personal Fitness Trainer certificate and may also complete one or more of the following certificates: Group Fitness Instructor, Pilates Mat Instructor, Resistance Training, or Yoga Teacher Training.

For more information, please contact the Health and Public Safety Division at (513) 569-1670.

To apply for this program at Cincinnati State, visit the Admissions (<http://www.cincinnati.edu/academics/admission>) section of the College website.

Health and Fitness Technology (HFT)

Semester 1		Lec	Lab	Credits
ENG 101	English Composition 1 (G)	3	0	3
FYE 1XX	First Year Experience Elective (B)	1	0	1
MAT 105	Quantitative Reasoning (G)	2	2	3
HFT 130	Foundations of Health and Wellness Programs (B)	2	2	3
Semester 2				
ENG 10X	English Composition Elective (G)	3	0	3
BIO 151	Anatomy and Physiology 1 (B)	3	2	4
PE 1XX	Physical Education Elective 1 (B)	0	2	1
PSY 110	Introduction to Psychology (G)	3	0	3
Semester 3				
EMS 100	CPR and First Aid for the Health Care Professional (B)	1	0	1
COMM 110	Public Speaking (G)	3	0	3
BIO 152	Anatomy and Physiology 2 (B)	3	2	4
HFT 151	Personal Fitness Trainer 1 (T)	2	2	3

HFT XXX	Special Populations Elective (T)	3	0	3
Semester 4				
HFT 250	Exercise Physiology (T)	3	2	4
HFT 152	Personal Fitness Trainer 2 (T)	2	2	3
HFT 156	Establishing a Personal Training Business (T)	3	0	3
HFT 182	Personal Fitness Trainer Practicum (T)	1	7	2
DT 120	Nutrition for a Healthy Lifestyle (B)	3	0	3
Semester 5				
HFT 260	Health and Fitness Program Design (T)	2	2	3
HFT 294	Internship: Health and Fitness Technology (T)	1	40	2
XXX XXX	Health and Fitness Elective (T)	3	0	3
HFT 255	Anatomical Kinesiology (T)	3	0	3
PE 1XX	Physical Education Elective 2 (B)	0	2	1
Total Credits:		50	67	62

Electives

English Composition Elective

ENG 102	English Composition 2: Contemporary Issues (Health Fitness for Special Populations)	3
ENG 103	English Composition 2: Writing about Literature	3
ENG 104	English Composition 2: Technical Communication	3
ENG 105	English Composition 2: Business Communication	3

Health and Fitness for Special Populations Elective

HFT 164	Health and Fitness Across the Life Span 1	3
HFT 168	Health and Fitness Across the Life Span 2	3

Physical Education Electives (2 credit hours required)

Any PE

Health and Fitness Elective (3 credit hours required)

Group Fitness Instructor Certificate (GFIC)		
HFT 122	Group Fitness Instructor	4
Pilates Mat Instructor Certificate (PMIC)		
HFT 116	Pilates Mat Instructor	2
HFT 180	Pilates Mat Practicum	2
Resistance Training Certificate (RSTC)		
HFT 124	Resistance Training Instructor	4
Yoga Teacher Training Certificate (YIC)		
HFT 118	Yoga Teacher Training 1	5

HFT 119	Yoga Teacher Training 2	5
HFT 184	Yoga Internship 1	2
HFT 185	Yoga Internship 2	2
Aquatics Group Fitness Instructor Certificate (AFIC)		
HFT 128	Aquatic Group Fitness Instructor	4
Aquatics Personal Fitness Instructor Certificate (APFTC)		
HFT 160	Aquatic Personal Trainer	2
Dietetic Technology		
DT 135	Sports Nutrition	3

The letters G, B, and T (displayed after course titles or elective descriptions) identify types of courses required by the Ohio Department of Higher Education as part of an associate's degree curriculum.

G = General Education course in this curriculum

B = Basic Skills course in this curriculum

T = Technical course in this curriculum

Health and Fitness Technology (HFT)

- Demonstrate an understanding of basic human anatomy and physiology.
- Explain fitness and wellness concepts and the relationship between physical activity and good health.
- Assess the health status of exercise participants using appropriate screening tools.
- Conduct valid and reliable fitness assessments to facilitate effective program design.
- Design safe and effective exercise programs based on scientific principles that will achieve individual fitness goals.
- Demonstrate a variety of safe and effective exercises.
- Effectively communicate with clients, fitness professionals, and other health care providers

Faculty

Program Chair/Advisor (All Health & Fitness programs)

Melinda (Mindy) Piles, MEd, ACSM EP-C, CPT
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Courses

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: Must be admitted to the Pilates Mat Instructor Certificate program.

Corequisites: HFT 180: Pilates Mat Practicum

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 and practices.

Prerequisites: Must be admitted to the Yoga Teacher Training Certificate program.

Corequisites: HFT 184: Yoga Internship 1

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 and practices.

Prerequisites: HFT 118 and HFT 184

Corequisites: HFT 185: Yoga Internship 2

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: Must be admitted to the Group Fitness Instructor Certificate program

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: Must be admitted to the Resistance Training Certificate

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: Must be admitted to the Aquatic Group Fitness Instructor Certificate program

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 092 (minimum grade C for both), or appropriate placement test scores

HFT 151 Personal Fitness Trainer 1**3 Credits. 2 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 092 (minimum grade C for both) or appropriate placement test scores, and must be admitted to the Personal Fitness Trainer Certificate program.

Corequisites: HFT 130 : Foundations of Health and Wellness Programs

HFT 152 Personal Fitness Trainer 2**3 Credits. 2 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).

Corequisites: HFT 182 : Personal Fitness Trainer Practicum

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: Must be admitted to the Aquatic Personal Trainer Certificate program

HFT 164 Health and Fitness Across the Life Span 1**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on the impact of exercise on quality of life for older adults and those with chronic health conditions/diseases. Topics include: American College of Sports Medicine guidelines for testing and exercise prescription, and the effects of the aging process and chronic conditions on exercise performance and fitness program development.

Prerequisites: HFT 130 (minimum grade C), and must be admitted to the Health and Fitness Special Populations Certificate program

HFT 168 Health and Fitness Across the Life Span 2**3 Credits. 3 Lecture Hours. 0 Lab Hour.**

A course on the national guidelines for youth fitness/physical activity and exercise programming throughout a woman's life stages. Topics include: program design; childhood obesity; the role of school, family, and community in youth fitness; cultural and gender differences affecting fitness; and women's life stages (adolescence, prenatal, menopause) and conditions that affect exercise.

Prerequisites: HFT 130 (minimum grade C)

Instructor Consent Required

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: Must be admitted to the Pilates Mat Instructor Certificate program.

Corequisites: HFT 116: Pilates Mat Instructor

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).

Corequisites: HFT 152 : Personal Fitness Trainer 2

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: Must be admitted to the Yoga Teacher Training Certificate program.

Corequisites: HFT 118: Yoga Teacher Training 1

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 118 and HFT 184

Corequisites: HFT 119: Yoga Teacher Training 2

HFT 191 Part-Time Cooperative Education: Health And Fitness**1 Credit. 1 Lecture Hour. 20 Lab Hours.**

Students seeking an associate's degree participate in their first part-time field learning experience related to their degree. Students are expected to register for academic courses during the same semester. Students must follow cooperative education policies and procedures to earn credit. Grades issued are Satisfactory or Unsatisfactory.

Prerequisites: HFT 250 and EMS 100 (minimum grade C for both), and instructor consent

Corequisites: HFT 260: Health and Fitness Program Design

Instructor Consent Required

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 092 (minimum grade C) or AFM 090 (minimum grade C), 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 151 and ENG 101 and HFT 130 and MAT 105 (minimum grade C for all)

Instructor Consent Required

HFT 251 Corrective Exercise Specialist

2 Credits. 1 Lecture Hour. 2 Lab Hours.

A course that prepares experienced fitness trainers/instructors to successfully prevent injuries and recondition clients of all levels, and to take the National Academy of Sports Medicine Corrective Exercise Specialist exam. Topics include: fundamentals of corrective exercise, and developing and implementing integrated strategies to improve common movement impairments.

Prerequisites: Currently enrolled in HFT 152, or earned Cincinnati State certificate in Personal Fitness Trainer or Group Fitness Instructor, or have a comparable current national accreditation or certification

Instructor Consent Required

HFT 255 Anatomical Kinesiology

3 Credits. 3 Lecture Hours. 0 Lab Hour.

A course on principles of human anatomy and motion as they relate to physical activity and skill performance. Topics include: the function of the skeletal, muscle, and nervous systems in generation and maintenance of human movement.

Prerequisites: HFT 130 (minimum grade C)

HFT 260 Health and Fitness Program Design

3 Credits. 2 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 250 (minimum grade C).

Corequisites: HFT 294: Internship: Health and Fitness Technology or HFT 191: Part-Time Co-Op: HFT

HFT 294 Internship: Health and Fitness Technology

2 Credits. 1 Lecture Hour. 40 Lab Hours.

Students seeking an associate's degree participate in an 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: HFT 250 and EMS 100 (minimum grade C for both), and instructor consent.

Corequisites: HFT 260: Health and Fitness Program Design

Instructor Consent Required

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