

Bachelor of Science in Exercise Science (BS)
Clinical Exercise Physiology Concentration
 2016-2017
Beaver College of Health Sciences (BCHS)
Department of Health and Exercise Science
 Revised 10/28/16

Major Code 567*
 Concentration Code 567E
 Non-Teaching

hes.appstate.edu

GENERAL EDUCATION 44

MAJOR REQUIREMENTS..... 89

Note: Up to 17 sh of the following courses may be counted in General Education. 18 sh must be completed at Appalachian.

MAT 1020____(4) OR above (MAT 1020 or 1110 counts as Gen Ed:QL) PSY 1200____(3) (Gen Ed: Liberal Studies Experience)
 CHE 1101____(3) & CHE 1110____(1) (Gen Ed: Sci. Inquiry) NUT 2202____(3) (2 s.h. Gen Ed: Wellness Literacy)
 CHE 1102____(3) & CHE 1120____(1) (Gen Ed: Sci. Inquiry)

A. Allied Core (12 sh)

BIO 1801____(4) Biological Concepts I PHY 1103____(4) General Physics I PHY 1104____(4) General Physics II

A cumulative GPA of 2.5 based on at least 12 semester hours at Appalachian is required for declaration of the Exercise Science major. Students must be declared Exercise Science majors or minors prior to enrolling in 3000-level or higher ES courses.

B. Exercise Science Core (all courses required: 29 sh)

ES 2002____(3) Introduction to Exercise Science ES 2032____(4) Human Anatomy & Physiology II
 ES 2005____(3) Introduction to Physiological Assessment ES 3002____(3) Exercise Physiology (WID)
 ES 2020____(3) Measurement & Evaluation in Exercise Science ES 3005____(3) Advanced Physiological Assessment (CAP)
 ES 2031____(4) Human Anatomy & Physiology I ES 3550____(4) Introduction to Biomechanics
 PE 1530-1545, PE 1700-1889 activity courses____(1)____(1) [total of 2 sh]

CONCENTRATION (30 sh):

C. Field Experience (6 sh required)

ES 3900____(6) Internship

D. Clinical Exercise Physiology (all courses required: 9 sh)

ES 4620____(3) Cardiovascular Physiology ES 4625____(3) Concepts of Clinical Exercise Testing
 ES 4645____(3) Cardiopulmonary Pathophysiology & Rehabilitation

E. Interdisciplinary Studies (15 sh required):

BIO 4563____(3) Biology of Aging ES 3350____(3) Introduction to Motor Behavior
 ES 3500____(1-4) Independent Study ES 3590____(3) Interprof Approach to Health & Physical Activity
 ES 3600____(1) Team-Based Patient Care ES 3700____(1) Professional Development in Exercise Science
 ES 3900____(1-6) Internship ES 4200____(3) Exercise in Special Populations
 ES 4300____(3) Environmental Physiology ES 4660____(3) Exercise Prescript for Clinical Populations
 HP 2200____(3) Lifestyle Disease & Risk Reduction HP/HED 3100____(3) Emergency Care and CPR
 HP 3700____(3) Health Behavior Change NUT 3205____(3) Nutrition and the Life Cycle
 NUT 4552____(1) Medical Terminology/Records NUT 4553____(3) Medical Language for Health Professionals
 PSY 3653____(3) Health Psychology PSY 4562____(3) Psychology of Adulthood & Aging
 SOC 3100____(3) Gerontology (Gen Ed: Liberal Studies Experience)

***Note: Other interdisciplinary electives may be taken with advisor approval**

MINOR NOT REQUIRED

FREE ELECTIVES 6-9

Note: 2 sh of free electives outside the major discipline are required

General Education Courses taken for the major – Up to 17

TOTAL 122