

**Bachelor of Science in Exercise Science (BS)
Clinical Exercise Physiology Concentration
2017-2018
Beaver College of Health Sciences (BCHS)
Department of Health and Exercise Science**

Major Code 567*
Concentration Code: 567E
Non-Teaching
CIP Code: 31.0505

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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)
- NUT 2202____(3) (2 sh Gen Ed: Wellness Literacy)
- CHE 1101____(3) & CHE 1110____(1) (Gen Ed: Sci. Inquiry) (Prereq: MAT 1020 or higher, or equivalent test scores)
- CHE 1102____(3) & CHE 1120____(1) (Gen Ed: Sci. Inquiry) (Prereq: MAT 1020 or higher, or equivalent test scores)

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

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

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
- PH 2200____(3) Lifestyle Disease & Risk Reduction
- PH/HED 3100____(3) Emergency Care and CPR
- PH 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