I. CORE CURRICULUM

Math 1025 (ND) or above
CHE 1101 (ND) & CHE 1110 (1)
CHE 1102 (3) (ND) & CHE 1120 (1)
P E 1013 (1) & 1014 (1) [or H P 1105 (2) if a Health Promotion Minor is pursued]

An overall 2.0 GPA is required in the major/18 sh must be completed at Appalachian

PHYSICS

PHY 1103 (4) (ND) General Physics I

CHEMISTRY

CHE 2101 (4) (ND) Fundamentals of Organic Chemistry
CHE 2203 (1) Organic Chemistry Lab I
CHE 2204 (1) Organic Chemistry Lab II

BIOLOGY

BIO 1101 (4) (ND) Introduction to Life Science
BIO 3301 (4) (W/ND) Animal Physiology
CHEM 1101 (3) (ND) & CHEM 1120 (1)

II. MAJOR REQUIREMENTS

A Biology Minor may be completed by taking BIO 3301 in the Allied Core & three of these Biology courses.

BIO 4563 (3) Biology of Aging
BIO 4568 (4) Immunology
BIO 3301 (3) (ND) General Physiology II

Exercise Science Core (28 sh min)

E S 2000 (5) Human Anatomy & Physiology
E S 2005 (3) Concepts in Fitness & Performance Eval
E S 2010 (3) (W) Exercise Physiology
E S 2020 (3) (C/ND) Measurement & Evaluation in Exer Sci
E S 3005 (3) (S) Physio Assessment & Prog Mgt (C minimum)
E S 3450 (3) Advanced Exercise Physiology
E S 3550 (4) (C) Introduction to Biomechanics
E S/FCS 4555 (3) (ND) Nutritional Aspects of Exercise & Sport
E S 4650 (1) Seminar

Concentration (31 sh) Choose one concentration

567 B – Pre-Professional (31 sh)
PSY 2301 (3) Psy of Human Growth & Dev
PSY 2401 (3) Abnormal Psychology
PSY 2700 (3) Behavior Change
PSY 4562 (3) (W) Psy of Adolescence & Aging
PSY 4653 (3) (W) Health Psychology
BIO 3306 (3) (ND) Genetics
BIO 4563 (3) Biology of Aging
BIO 4568 (4) Immunology
E S 4050 (3) Practicum: Pre-professional
PHY 4820 (3) Medical Physics

Required Courses: (27 sh which includes a 6 sh internship)

SOC 3100 (3) Gerontology
FCS 2202 (3) Nutrition & Health
H P 3700 (3) Health Behavior Change
E S 4625 (3) Concepts of Clinical Exercise Testing
E S 4635 (3) Electrophysiologic Interpretation
E S 4645 (3) Cardiopulmonary Pathophysiology & Rehabilitation
E S 4660 (3) Exer Prescr & Chronic Disease Mgt

E S 3900 (6-12) Internship (6 sh minimum required)

*If internship is done for 6 sh, you must choose 4 sh of electives from the following courses:

A T 1600 (2) Intro to Athletic Training
FCS 4552 (1) Medical Terminology/Records
H P 2100 (3) Health Program Plan & Eval I
H P 2200 (3) (W) Life Disease & Risk Reduction

567 C – Wellness/Cardiac Rehabilitation (31 sh)

Required Courses (14 sh)

E S 4600 (3) Survey of Sports Performance
E S 4060 (3) Practicum: Strength & Conditioning
E S 4000 (3) Theoretical & Practical Aspects of Strength/Power Conditioning

And choose 17 sh from the following:

BIO 3306 (3) (ND) Genetics
BIO 3800 (4) (W/ND/C) Molecular Biology
BIO 4563 (3) Biology of Aging
BIO 4568 (4) Immunology

*Note: A Biology Minor may be completed by taking BIO 3301 in the Allied Core & three of these Biology courses.

III. MINOR NOT REQUIRED

(Although a minor is not required, a minor may be obtained as noted above by the concentrations.)

IV. FREE ELECTIVE

(2 sh of free electives outside the major discipline are required (Do not fall below 122))