

# HEALTH SCIENCE, B.S.

Code	Title	Units
<b>Lower-Division Requirements</b>		
BIO 1030 and BIO 1030L	Human Anatomy and Physiology I (GE) and Human Anatomy and Physiology I Lab (GE)	4
BIO 1040 and BIO 1040L	Human Anatomy and Physiology II and Human Anatomy and Physiology II Lab	4
BIO 2010 and BIO 2010L or NUT 2025	Cell Biology and Biochemistry (GE) and Cell Biology and Biochemistry Lab (GE) Fundamentals of Nutrition	3-4
BIO 2020 and BIO 2020L	Microbiology of Infectious Diseases and Microbiology of Infectious Diseases Lab	4
KIN 1001	Orientation to Kinesiology and the Health Sciences	1
KIN 2000 or KIN 2030	Optimal Health (GE) Lifestyle as Medicine (GE)	2
KIN 2050	Medical Terminology	2
KIN 2080 and KIN 2080L	Care and Prevention of Athletic Injuries and Care and Prevention of Athletic Injuries Lab	3
MTH 2003	Introduction to Statistics	3
PSY 1003	General Psychology (GE)	3
Choose one (1) of the following:		5
CHE 1003 and CHE 1003L	Introduction to General, Organic, and Biological Chemistry (GE) and Introduction to General, Organic, and Biological Chemistry Lab (GE)	
CHE 1052 and CHE 1052L	General Chemistry I (GE) and General Chemistry I Lab (GE)	
<b>Upper-Division Requirements</b>		
KIN 3012	Motor Learning and Motor Development	3
KIN 3025	Structural Kinesiology	2
KIN 3027	Applied Biomechanics	2
KIN 3040	Physiology of Exercise	3
KIN 3085	Pathology of Injury and Illness	3
KIN 4095	Senior Seminar	1
PSY 3021	Abnormal Psychology	3
Choose two (2) courses from the following:		6
ANA 4002 or ANA 5002	Gross Anatomy of the Musculoskeletal System	
ATR 5087	Evidence-Based Orthopedic Assessment of the Lower Extremity	
KIN 3002	Clinical Exercise Testing and Prescription	
KIN 3089	Orthopaedic Assessment	
KIN 4010	Therapeutic Interventions	
Choose one (1) course from the following:		1
ATR 5087L	Evidence-Based Orthopedic Assessment of the Lower Extremity Lab	
KIN 3002L	Clinical Exercise Testing and Prescription Lab	
KIN 3027L	Biomechanics Lab	
KIN 3040L	Physiology of Exercise Lab	
<b>Elective Courses</b> <sup>1</sup>		<b>6</b>
ANA 4002	Gross Anatomy of the Musculoskeletal System or ANA 5002 Gross Anatomy of the Musculoskeletal System	

ATR 5090	Clinical Internship I
BIO 2011 and BIO 2011L	Ecological and Evolutionary Systems (GE) and Ecological and Evolutionary Systems Lab (GE)
BIO 3015 and BIO 3015L	Microbiology and Microbiology Lab
BIO 3045 and BIO 3045L	Genetics and Genetics Lab
BIO 4050 and BIO 4050L	Advanced Biochemistry and Advanced Biochemistry Lab <sup>2</sup>
BIO 4070	Neuroscience
CHE 1053 and CHE 1053L	General Chemistry II and General Chemistry II Lab
CHE 2094 and CHE 2094L	Organic Chemistry I and Organic Chemistry I Lab
CHE 2096 and CHE 2096L	Organic Chemistry II and Organic Chemistry II Lab
CHD 1050	Human Development
KIN 3002 and KIN 3002L	Clinical Exercise Testing and Prescription and Clinical Exercise Testing and Prescription Lab
KIN 3030	Nutrition for Exercise and Sport Performance
KIN 3070	Praxis of Strength Training and Conditioning
KIN 3075	Movement Interventions and Corrective Exercise
KIN 3089	Orthopaedic Assessment
KIN 4010	Therapeutic Interventions
KIN 4020	Pharmacology
KIN 4084	Practicum in Kinesiology
KIN 4088	Internship in Kinesiology (3 Units Recommended)
KIN 5010	Evidence-Based Practice and Decision Making in Kinesiology
PHY 1044 and PHY 1044L	General Physics I (GE) and General Physics I Lab (GE)
PHY 1054 and PHY 1054L	General Physics II (GE) and General Physics II Lab (GE)
PSY 3008	Developmental Psychology - Birth Through Adolescence
SOC 4070	Medical Sociology

**Total Units** **64-65**

<sup>1</sup> Minimum of six (6) units required.

<sup>2</sup> Or CHE 4050 & CHE 4050L

**Note(s):** 11 units meet General Education requirements.

## Athletic Training Scholars Pathway Track

The Athletic Training Scholars pathway (3+2 MSAT track) is an accelerated program that allows students to obtain a Bachelor of Arts in Health and Human Performance and a Master of Science in Athletic Training in five years. The Athletic Training Scholars Pathway is divided into two components: the pre-professional phase which includes the completion of years 1-3 and the professional phase which includes

academic years 4-5. During the professional phase students will compete all of the requirements for the Master of Science in Athletic Training.

Students within the Pre-Allied Health concentration desiring to apply to the Athletic Training Scholars Pathway can apply to the program upon successful completion of year 3 and upon meeting all requirements for entry into the program. Students entering the Athletic Training Scholars Pathway will earn their Bachelor of Arts in Health and Human Performance upon successful completion of their 4th year and will earn a Master of Science in Athletic Training degree upon successful completion of year 5.

The following 5000-level courses have been strategically added to the undergraduate degree course plan and must be taken during the final year for the Bachelor's degree to be granted. These courses represent the courses taken in the 1st year of the Master of Science in Athletic Training and can be used as upper-division electives within the Health and Human Performance major.

### Required Courses to Complete the Pre-professional Phase of the Athletic Training Scholars Pathway

Code	Title	Units
ANA 5002	Gross Anatomy of the Musculoskeletal System	3
ATR 5000	Seminar in Athletic Training	1
ATR 5005	Research Methods and Statistical Techniques for Clinical Decision Making in Sports Medicine	3
ATR 5087	Evidence-Based Orthopedic Assessment of the Lower Extremity	3
ATR 5087L	Evidence-Based Orthopedic Assessment of the Lower Extremity Lab	1
ATR 5088	Evidence-Based Orthopedic Assessment of the Spine and Upper Extremities	3
ATR 5088L	Evidence-Based Orthopedic Assessment of the Spine and Upper Extremities Lab	1
ATR 5090	Clinical Internship I	3
ATR 5091	Clinical Internship II	3
KIN 5010	Evidence-Based Practice and Decision Making in Kinesiology	3
<b>Total Units</b>		<b>24</b>

Once the student has met all of the requirements of the undergraduate degree and is enrolled in their final semester, the student would then apply to the Master of Science in Athletic Training (<https://pointloma-public.courseleaf.com/grad-catalog/colleges-schools-departments/chs/kin/athletic-training-ms/>) and complete the remaining courses required to complete the program.