Course List for the Bachelor of Science in Public Health

2020-2021 Academic Year | Department of Kinesiology, UTA College of Nursing

Resources
For official course lists, descriptions and degree requirements please refer to the UTA Catalog. The College of Nursing makes every effort to keep this list accurate, but this list is unofficial and provided for convenience only. UTA Catalog: [UTA Catalog, Undergraduate Kinesiology Programs](#)
Do you have questions, or would you like to speak with someone about applying to the program? Our academic advisors are ready to meet with you: [Kinesiology Academic Advising](#)

General Education Courses

**BIOL 2457**
**Human Anatomy and Physiology I**
Functional morphology of humans, cellular function, principles of support and movement, and neural and endocrine control systems. Laboratory exercises involve both anatomical and experimental aspects of principles introduced in the lecture. This class is designed for students in sport activities (EXSA), medical technology and pre-nursing.
Eight Week Course (AO) | Nursing Program admission | Prerequisite: BIOL 1345 or BIOL 1441 | 4 Credit Hours

**BIOL 2458**
**Human Anatomy and Physiology II**
Functional morphology of humans, maintenance of the human body, and continuity of life. Topics will include the cardiovascular, respiratory, digestive, urinary, immune, and reproductive systems. Laboratory exercises explore both anatomical and experimental aspects of principles introduced in the lecture. This class is designed for students in sport activities (EXSA), medical technology, and pre-nursing.
Eight Week Course (AO) | Prerequisite: BIOL 2457 | 4 Credit Hours

**BIOL 1441**
**Cell and Molecular Biology**
This course focuses on the chemical and molecular basis of life, including metabolism, cell structure and function, and genetics. Laboratory experiments are designed to complement theory presented in lecture.
Eight Week Course (AO) | No Prerequisites: | 4 Credit Hours

**PSYC 1315**
**Introduction to Psychology**
The fundamental methods and content of scientific psychology. Concentration on the understanding of basic principles.
Eight Week Course (AO) | No Prerequisites | 3 Credit Hours

**CHEM 1441**
**Developmental Psychology**
The lecture covers the fundamentals of atomic structure, chemical bonding, the periodic table, nomenclature, kinetic theory, gas laws, chemical equations, and solutions. The laboratory introduces the scientific method, experiment design, data collection and analysis, as well as illustrates fundamental principles presented in the lecture. Students who have not had high school chemistry are advised to take an introductory chemistry course first.
Eight Week Course (AO) | Prerequisite: MATH 1302 or MATH 1303 | 4 Credit Hours

**MATH 1301**  
**Contemporary Mathematics**  
This course covers material in a traditional algebra course together with real-world applications of mathematics. It develops problem-solving and critical thinking skills. Topics include the mathematics of dimensional analysis, mathematical logic, population growth, optimization, voting theory, number theory, graph theory, relations, functions, probability, statistics, and finance. The use of mathematical software and calculators is required. See course syllabus for details. Credit may be received for only one of MATH 1301, MATH 1302, or MATH 1315.  
Eight Week Course (AO) | No Prerequisites | 3 Credit Hours

**ENGL 1308**  
**Elementary Statistical Analysis**  
Topics may include collection, analysis, presentation, and interpretation of data. Analysis includes descriptive statistics, probability, relationships between variables and graphs, elementary statistical models, hypothesis testing, inference, estimation, correlation, regression and confidence intervals. The use of mathematical software and calculators is required. See course syllabus for details.  
Eight Week Course (AO) | No Prerequisites | 3 Credit Hours

**HIST 1301**  
**History of the United States to 1865**  
An introduction to the political, social, economic, and cultural history of the United States prior to 1865. This course is designed to help students understand and evaluate their society, comprehend the historical experience, and further develop reading and writing competencies and critical skills.  
Eight Week Course (AO) | Co-requisite or Prerequisites: ENGL 1301 | 3 Credit Hours

**HIST 1302**  
**History of the United States since 1865**  
An introduction to the political, social, economic, and cultural history of the United States since 1865. This course is designed to help students understand and evaluate their society, comprehend the historical experience, and further develop reading and writing competencies and critical skills.  
Eight Week Course (AO) | Co-requisite or Prerequisites: ENGL 1301 | 3 Credit Hours

**POLS 2311**  
**Government of the United States**  
Continues ENGL 1301, but with an emphasis on advanced techniques of academic argument. Includes issue identification, independent library research, analysis and evaluation of sources, and synthesis of sources with students' own claims, reasons, and evidence.  
Eight Week Course (AO) | Prerequisite: Grade of C or better in ENGL 1301 | 3 Credit Hours

**ENGL 2338**  
**Technical Writing**  
Covers the processes of researching, drafting, designing, editing, and revising technical reports, proposals, instructions, resumes, and professional correspondence for specific audiences.  
Five Week Course (AO) | Prerequisites: Grade of C or better in ENGL 1301 and ENGL 1302 | 3 Credit Hours

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The constitution and government of the United States. The organization, procedures, and duties of the branches of the government, together with their accomplishments and defects.  
Eight Week Course (AO) | No Prerequisites | 3 Credit Hours

**POLS 2312**  
**State and Local Government**  
The principles and organization of American state, county, and municipal government, together with current problems and the constitution and government of Texas.  
Eight Week Course (AO) | No Prerequisites | 3 Credit Hours

**Social Science Elective**  
An additional 3 credit hour Social Science elective is required. Students may choose from SOCI 1311 Introduction to Sociology, KINE 2350 Introduction to Public Health, or other approved course after consulting with an advisor.

**Creative Arts Elective**  
A 3-credit hour Creative Arts elective is required. Students may choose from ART 1301 Art Appreciation or other approved course after consulting with an advisor.

**Language, Philosophy, and Culture Elective**  
A 3-credit hour Language, Philosophy, and Culture elective is required. Students may choose from ENGL 2309 World Literature, ENGL 2319 British Literature, ENGL 2329 American Literature, SOCI 1310 American Popular Culture, or other approved course after consulting with an advisor.