

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

General Chemistry I

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

MATH 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 Prerequisite | 3 Credit Hours

ENGL 1301

Rhetoric and Composition I

Introduction to college reading and writing. Emphasizes recursive writing processes, rhetorical analysis, synthesis of sources, and argument.

Eight Week Course (AO) | No Prerequisites | 3 Credit Hours

ENGL 1302

Rhetoric and Composition II

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

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

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