NURSING-AAS

Program Overview

Associate of Applied Science - Nursing

Student Learning Outcomes

Upon completion of the program, students are expected to:

- Provide safe, quality, evidence-based, patient-centered nursing care in a variety of healthcare environments to diverse patient populations across the lifespan.
- Use clinical reasoning when engaged in the work of a professional nurse.
- Participate in quality improvement processes to improve patient care.
- Engage in teamwork with members of the interprofessional team, the patient, and the patient's support persons when managing patient care.
- Apply management, legal, ethical, and professional guidelines in practice as a professional nurse.
- Use information management principles, techniques, and systems, and patient care technology to communicate, manage knowledge, mitigate error, and support decision-making.

Great Basin College offers a two-year program leading to an Associate of Applied Science in Nursing. The program is approved by the Nevada State Board of Nursing and accredited by the Accreditation Commission for Education in Nursing, Inc. (ACEN). GBC is accredited by the Northwest Commission on Colleges and Universities (NWCCU).

The Associate of Applied Science nursing program at Great Basin College at the Elko, Winnemucca, Ely, and Pahrump, Nevada is accredited by the:

Accreditation Commission for Education in Nursing (ACEN)

3390 Peachtree Road NE, Suite 1400

Atlanta, GA 30326

404.975.5000

The most recent accreditation decision made by the ACEN Board of Commissioners for the Associate of Applied Science nursing program is Continuing Accreditation.

View the public information disclosed by the ACEN regarding this program at https://www.acenursing.org/.

The mission of Great Basin College's AAS—Nursing program is to provide an accessible, student-centered, post-secondary nursing education that prepares graduates for entry level nursing practice in a variety of structured healthcare settings. The curriculum integrates courses in nursing with general education requirements. Laboratory and clinical experiences are offered at the college, local hospitals, long-term care centers, and community health facilities.

Enrollment in the program is limited, and students are admitted only in the fall semester. Selection is made using a point system. Additional points will be awarded for veteran applicants and students in the CTE pathway program.

Non-nursing and pre-nursing students may not take any of the courses that begin with the NURS designation prior to admission to the AAS degree in nursing program, with the exception of NURS 130 (Nursing Assistant), NURS 285 (Special Topics in Nursing), and NURS 140 (Medical Terminology). Students who have declared nursing as their major are designated as pre-nursing students. Students who have applied for and been accepted into the Associate of Applied Science in Nursing program are designated nursing students.

Students who do not have an ACT or SAT score and who have not started the English and mathematics requirements, must complete the English/Mathematics placement tests. There is no charge for this test, and it must be taken prior to enrolling in prerequisite courses. The placement tests are available at the Academic Success Center and at GBC centers. For more information and testing times, call 775.327.2247.

Year of admission to the Associate in Nursing program determines catalog year and course requirements.

Prerequisites to be completed prior to or during the semester in which application is made to the Associate in Nursing program include:

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One course required

BIOL 100 General Biology/Non Major **3 Credits**
Basic biological concepts, interpretation and application of scientific methods, and effects of biological advances on society. Core curriculum science course; cannot be used for credit toward field of concentration in biology.

BIOL 190 Intro Cell/Molecular Biology **4 Credits**
Structure and function of cells. Major molecules of life; composition and physiology of cellular organelles; cell metabolism, reproduction, motility, and gene function of both plant and animal cells. Required for biology majors. Concurrent enrollment in a corresponding lab section is required for this course.

All courses required

BIOL 223 Human Anatomy & Physiology I **4 Credits**
The morphology and physiology of cells, tissues, and the integumentary, skeletal, muscular, and nervous systems in a laboratory and lecture class. Designed for all life science majors but specifically for students in allied health programs. Concurrent enrollment in a corresponding lab section is required for this course.

BIOL 224 Anatomy & Physiology II **4 Credits**
A continuation of Biology 223 with consideration of the circulatory, respiratory, digestive, excretory, endocrine, and reproductive systems; increased emphasis on body chemistry. Concurrent enrollment in a corresponding lab section is required for this course.

BIOL 251 General Microbiology **4 Credits**
A laboratory and lecture course emphasizing taxonomy, morphology, physiology, infectious diseases, and ecology of microorganisms in addition to skills in aseptic procedures, isolation, and identification. Open to all life science majors and allied health majors.

PSY 101 Gen Psychology **3 Credits**
Survey of the discipline introducing psychological theories, research methods, and principles of behavior.

One course required

MATH 120 Fund of College Math **3 Credits**
Includes set theory, logic, consumer mathematics, measurement, geometry, probability, and statistics. Course is broad in scope, emphasizing applications. It is recommended that students have completed prerequisites within two years of enrolling in this course.

MATH 120E Fund of College Math Expanded **3 Credits**
Fundamentals of College Mathematics with Corequisite Support: Includes real numbers, consumer mathematics, variation, functions, relations, graphs, geometry, probability, and statistics. Course is broad in scope, emphasizing applications. Fulfills the lower-division mathematics requirement for a Bachelor of Arts Degree. Satisfies mathematics requirement for baccalaureate degrees.

MATH 126 Precalculus I **3 Credits**
A third course in algebra that stresses polynomial, quadratic, rational, exponential, and logarithmic functions, including their graphs and applications; complex numbers; systems of equations; and basic operations with matrices and determinants, including Cramer's rule. It is recommended that students have completed prerequisites within two years of enrolling in this course.

MATH 126E Precalculus I Expanded **3 Credits**
Precalculus I Expanded with Co-requisite support: Includes equations, relations, functions, graphing; polynomial, rational, exponential, logarithmic, and circular functions with applications; coordinate geometry of lines and conics; analytic trigonometry; matrices and determinants; and binomial theorem. It is recommended that students have completed prerequisites within two years of enrolling in this course.

STAT 152 Intro to Statistics **3 Credits**
Includes descriptive statistics, probability models, random variables, statistical estimation and hypothesis testing, linear regression analysis, and other topics. Designed to show the dependence of statistics on probability. It is recommended that students have completed prerequisites within two years of enrolling in this course.

General Education Requirements

English/Communications (two courses required): ENG 100 or ENG 101 and ENG 102
ENG 100 Composition-Enhanced **5 Credits**

Allows students to fulfill their first semester of English while completing the remediation process. Designed for students who did not place into ENG 101 on the placement test/writing sample, but did not score so low that they need ENG 95. Allows a student to refine specific skill deficiencies while completing the first semester of freshman composition (ENG 100 is equivalent to ENG 101). Students will have additional Academic Success Center requirements. Although it is a five-credit course, it does not replace ENG 102. After successful completion of ENG 100, a student must take ENG 102 to complete the general education requirement.
ENG 101 Composition I **3 Credits**

Critical reading and writing of the expository essay. Emphasizes pre-writing, strategies for organization, and revision.
ENG 102 Composition II **3 Credits**

Continuation of English 101. Emphasizes writing from sources, argument, the investigative paper, and research techniques.

Mathematics (one course required): Choose from the courses listed below or any higher-level math course. Excludes MATH 389

MATH 120 Fund of College Math **3 Credits**

Includes set theory, logic, consumer mathematics, measurement, geometry, probability, and statistics. Course is broad in scope, emphasizing applications. It is recommended that students have completed prerequisites within two years of enrolling in this course.

MATH 120E Fund of College Math Expanded **3 Credits**

Fundamentals of College Mathematics with Corequisite Support: Includes real numbers, consumer mathematics, variation, functions, relations, graphs, geometry, probability, and statistics. Course is broad in scope, emphasizing applications. Fulfills the lower-division mathematics requirement for a Bachelor of Arts Degree. Satisfies mathematics requirement for baccalaureate degrees.

MATH 126 Precalculus I **3 Credits**

A third course in algebra that stresses polynomial, quadratic, rational, exponential, and logarithmic functions, including their graphs and applications; complex numbers; systems of equations; and basic operations with matrices and determinants, including Cramer's rule. It is recommended that students have completed prerequisites within two years of enrolling in this course.

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Science (one course required)

ANTH 102 Physical Anthropology **3 Credits**

Introduction to the study of how humans, Homo sapiens, have emerged as a species and come to dominate the planet by examining processes of human biological and cultural evolution. Topics include inheritance, the emergence of primates, fossil hominids, the development of technology, and biological variability among modern humans. Satisfies general education science.

AST 101 General Astronomy **3 Credits**

An introductory examination of the solar system, stellar systems, and stellar and galactic evolution according to currently accepted concepts. Introduces astronomical instruments and light theory.

BIOL 100 General Biology/Non Major **3 Credits**

Basic biological concepts, interpretation and application of scientific methods, and effects of biological advances on society. Core curriculum science course; cannot be used for credit toward field of concentration in biology.

BIOL 190 Intro Cell/Molecular Biology **4 Credits**

Structure and function of cells. Major molecules of life; composition and physiology of cellular organelles; cell metabolism, reproduction, motility, and gene function of both plant and animal cells. Required for biology majors. Concurrent enrollment in a corresponding lab section is required for this course.

CHEM 100 Molecules/Life Modrn Wrld **3 Credits**

Introduction to chemistry in its many forms and applications, physical and organic, with consideration of environmental and social issues. Includes laboratory activities.

CHEM 121 General Chemistry I **4 Credits**

Fundamentals of chemistry including reaction stoichiometry, atomic structure, chemical bonding, molecular structure, states of matter, and thermochemistry.

ENV 100 Humans and the Environment **3 Credits**

Introduction to the relationship of man and his environment. Current thinking and research concerning the impact of industrialization and urbanization on environmental quality, including the population explosion; the potential decline of the affluent society by the depletion of natural resources; the pollution of air, land surface, and water; and the public agencies and policies designed to solve environmental problems.

GEOG 103 Physical Geog Earth Environmnt **3 Credits**

Physical elements of the earth's natural features and their significance to man. Topics include earth form and motion, landforms, weather, climate, vegetation, and soils. Four laboratory experiences required.

GEOL 101 Exploring Planet Earth **3-4 Credits**

Fundamental principles of geology including tectonic and surficial processes, oceans, atmosphere, environmental applications, and resources. Includes a laboratory component.

NUTR 121 Human Nutrition **3 Credits**

An introductory nutrition course for the beginning student. Course will center on the major nutrients and their roles in maintaining good health. Students will learn to recognize well-balanced diets and acquire shopping tips and preparation techniques for optimum utilization of food dollars. Class includes four required labs.

PHYS 100 Introductory Physics **3 Credits**

A concise treatment of the basic principles of physics. Includes mechanics, matter, electricity, magnetism, heat, sound, light, relativity, and nuclear physics.

PHYS 107 Technical Physics I **3 Credits**

Investigates traditional topics of physics. Topics include mechanics, electricity, basic solid state components, optics, gases, hydraulics, fluids, and thermodynamics. This course provides a basic understanding of how physical systems are related and their technical applications. Hands-on labs, demonstrations, and calculations are an integral part of the course.

PHYS 151 Gen Physics I **4 Credits**

Primarily for students in arts and science. Topics include kinematics, energy and momentum conservation, rotational dynamics, thermodynamics, fluids, harmonic motion, and sound. Laboratory experiments illustrate many of these fundamental principles.

U.S. and Nevada Constitutions: HIST 101 and HIST 102 or PSC 101

HIST 101 U.S. History to 1877 **3 Credits**

Survey of U.S. political, social, economic, diplomatic, and cultural development from colonial times through Reconstruction. When taken with HIST 102 satisfies the GBC General Education American Constitutions and Institutions Requirement. HIST 101 and 102 need not be taken sequentially. Either class may be taken alone.

HIST 102 U.S. History Since 1877 **3 Credits**

Survey of U.S. political, social, economic, diplomatic, and cultural development from 1877 to the present. Course satisfies the Nevada Constitution Requirement. When taken with HIST 101 satisfies the GBC General Education American Constitutions and Institutions Requirement. Can be used to satisfy the Nevada Constitution Requirement for out-of-state transfer students who have previously satisfied the United States Constitution Requirement. HIST 101 and 102 need not be taken sequentially. Either class may be taken alone.

PSC 101 Intro American Politics **3 Credits**

A survey of United States, national, state, and local governments with emphasis on the cultural aspects of the governing process. Satisfies the legislative requirement for the United States and Nevada Constitutions.

Social Science

PSY 101 Gen Psychology **3 Credits**

Survey of the discipline introducing psychological theories, research methods, and principles of behavior.

Humanities or Fine Arts (one course required)

ART 100 Visual Foundations **3 Credits**

A beginning art class that includes a survey of art and the basic components of design. The class explores visual concepts as they relate to the history of art through class presentations, discussions, and a variety of media. Students should plan for three hours of studio work outside the class.

ART 101 Drawing I **3 Credits**

A disciplined foundation in drawing concepts based on visual observation skills.

ART 107 Design Fundmntls I (2-D) **3 Credits**

Explores the fundamentals of design using various media focusing on 2-D design.

ART 160 Art Appreciation **3 Credits**

Introduction to the visual arts, illustrating the place of art in its social and cultural setting.

ENG 203 Intro to Literary Study **3 Credits**

Introduction to the elements of fiction, poetry, and drama used in the analysis of literature.

ENG 205 Intro to Creative Writing **3 Credits**

A creative writing course designed to introduce students to the production of fiction and poetry.

ENG 223 Themes of Literature **3 Credits**

Themes and ideas significant in literature.

FIS 100 Introduction to Film **3 Credits**

Introduction to the historical development of film as art. Considers the development of cinematic techniques (i.e., cinematography, editing, sound, etc.), cinematic genres (i.e., the western, romantic comedy, etc.) and narrative elements (i.e., plot, character, conflict, etc.) as exemplified by the work of major American and international directors.

FREN 111 First Year French I **3-4 Credits**

Development of language skills through practice in listening, speaking, reading, writing, and structural analysis. Language practice required.

FREN 112 First Year French II **3-4 Credits**

A continuation of FREN 111. Language practice required.

HIST 208 World History I **3 Credits**

Survey of world civilizations to 1600. Examines societies, cultures, and issues relative to Africa, the Americas, Asia, Europe, the Middle East and Oceania.

HIST 209 World History II **3 Credits**

Survey of world civilizations since 1600. Examines historical societies, cultures, and issues relative to Africa, the Americas, Asia, Europe, the Middle East, and Oceania.

HUM 101 Intro to Humanities I **3 Credits**

An introduction to humanities through a study of seven major arts including film, drama, music, literature, painting, sculpture, and architecture. Each of these arts is considered from the perspective of historical development, the elements used in creating works of art, meaning and form, and criticism and critical evaluation.

HUM 210 Communicating Diversity **3 Credits**

Communicating Diversity is a lower division course designed to familiarize students with the fundamentals of diversity and how those are expressed through communication. Students will develop a deep understanding of the way in which we communicate race, gender, class, sexual orientation, nationality, religion, and physical/mental ability and how it impacts our daily lives. This course will take an intersectional approach to understanding diversity and seek communication strategies for inclusivity. Emphasis will be placed on defining and developing the critical thinking skills necessary to push past oppression, marginalization, and other issues centralized around diverse populations. Students will be encouraged to investigate and discover diversity issues, solutions, and concepts at the local and global level using case studies, current events, and other significant moments in history.

MUS 101 Music Fundamentals **3 Credits**

Notation, terminology, intervals, and scales. Designed to furnish a foundation for musicianship. Recommended for teachers in public schools and all others desiring a basic music background.

MUS 121 Music Appreciation **3 Credits**

The historical and cultural background of music and origins to the twentieth century.

PHIL 101 Intro to Philosophy **3 Credits**

Basic problems in different areas of philosophy such as ethics, political theory, metaphysics, and epistemology.

PHIL 102 Critical Thinking **3 Credits**

Covers non-symbolic introduction to logical thinking in everyday life, law, politics, science, advertising; common fallacies; and the uses of language, including techniques of persuasion.

PHIL 135 Introduction to Ethics **3 Credits**

Introduction to Ethics: critical introduction to classical and modern ethical theories such as utilitarianism, deontology, and virtue ethics. Emphasis throughout on applying the theories in various contexts such as social, political, or interpersonal. The ultimate goal will be to allow students to clarify their own thinking and positions on important ethical issues confronting society today.

SPAN 111 First Year Spanish I **3 Credits**

Development of language skills through practice in listening, speaking, reading, writing, and structural analysis. Language practice required.

SPAN 112 First Yr Spanish II **3 Credits**

A continuation of SPAN 111. Language practice required.

SPAN 211 Second Year Spanish I **3 Credits**

Considers structural review, conversation and writing, and readings in modern literature.

THTR 100 Introduction to Theatre **3 Credits**

A survey of the basic principles, facts, and theories providing an understanding of the art of theatre. Course also includes a special focus on the practical technical aspects of the theatre and on live theatre experiences.

THTR 105 Introduction to Acting I **3 Credits**

Examines acting fundamentals and focuses on development of vocal, physical, and creative tools to be used on stage.

THTR 121 Stage Makeup **3 Credits**

This course focuses on the history of makeup and basic approaches to applying make-up for the stage and screen. Make-up supplies will be studied, as well as techniques for corrective, old-age, character, stylized, and special effects makeup.

THTR 204 Theatre Technology I **3 Credits**

Lecture and discussion encompassing the philosophy and techniques of technical theatre.

WELD 200 Metal Art **3 Credits**

This course is designed to give the student the basic understanding of two dimensional 2D and three-dimensional 3D metal art. Also covered in this course we will discuss different Cutting, Welding and metal finishing techniques that are used in this discipline as it relates to metal art.

Technology (embedded in nursing curriculum)

Program Requirements

BIOL 223 Human Anatomy & Physiology I 4 Credits

The morphology and physiology of cells, tissues, and the integumentary, skeletal, muscular, and nervous systems in a laboratory and lecture class. Designed for all life science majors but specifically for students in allied health programs. Concurrent enrollment in a corresponding lab section is required for this course.

BIOL 224 Anatomy & Physiology II 4 Credits

A continuation of Biology 223 with consideration of the circulatory, respiratory, digestive, excretory, endocrine, and reproductive systems; increased emphasis on body chemistry. Concurrent enrollment in a corresponding lab section is required for this course.

BIOL 251 General Microbiology 4 Credits

A laboratory and lecture course emphasizing taxonomy, morphology, physiology, infectious diseases, and ecology of microorganisms in addition to skills in aseptic procedures, isolation, and identification. Open to all life science majors and allied health majors.

NURS 135 Fundamental Concepts Nursing 8 Credits

Introduction to basic concepts and competencies for the application of the nursing process in the care of diverse patients with common health alterations and to promote the health of individuals. Introduction of basic concepts of safe, patient-centered, evidence-based nursing care considering legal and ethical responsibilities of the nurse. Also introduces caring, clinical reasoning, quality improvement, communication, and teamwork when interacting with patients and members of the interprofessional team. Emphasis on essential psychomotor skills and obtaining patient information relevant to care planning. Five credits theory, three credits clinical. Offered fall semester only.

NURS 154 Introduction to Pharmacology 1 Credits

Basic principles of safe and effective medication administration and pharmacology of major drug classifications. Principles of medication administration including aspects of best practice for safe, quality, patient-centered care. Includes the use of informatics and media to obtain evidenced-based drug information. One theory credit. Offered fall semester only.

NURS 155 Clinic Decisn Make Drug Therpy 1 Credits

Common drug therapy regimen and application of clinical reasoning in management and monitoring of drug effects in acutely ill patients for safe, quality, evidence-based nursing care. Focuses on patient teaching and the nurse as a member of the interprofessional team when providing pharmacological interventions. One credit theory. Offered spring semester only.

NURS 158 Nurs Care Adult Health/Illness 5 Credits

Building on fundamentals of nursing, this course provides for the acquisition and application of basic adult health nursing theory by applying clinical reasoning and safe, evidence-based, patient-centered, holistic nursing care to diverse patients with common acute health problems. Incorporates a focus on health promotion. Includes the application of the concepts of caring, clinical reasoning, quality improvement, communication, and teamwork, considering legal and ethical responsibilities of the nurse when caring for adults. Two credits theory, three credits clinical. Offered spring semester only.

NURS 159 Nursing Care - Mental Health 3 Credits

Provides for the acquisition and application of mental health nursing theory for safe, evidence-based, patient-centered, holistic nursing care for diverse patients experiencing common acute and chronic mental health disorders and treatment modalities. Includes the application of the concepts of caring, clinical reasoning, quality improvement, communication, and teamwork, considering legal and ethical responsibilities of the nurse when working with patients with mental health disorders. Two credits theory, one credit clinical. Offered spring semester only.

NURS 252 Nursing Care - Childbearing 3 Credits

Provides for the acquisition and application of maternal/child nursing theory for safe, evidence-based, family-centered nursing care for diverse patients. Includes a focus on health promotion and the application of the concepts of caring, clinical reasoning, quality improvement, communication, and teamwork, considering legal and ethical responsibilities of the nurse when working with the childbearing family. Two credits theory and one credit clinical. Offered fall semester only.

NURS 253 Nursing Care Child/Adolescents 3 Credits

Provides for the acquisition and application of pediatric nursing theory by applying clinical reasoning and safe, evidence-based, family-centered, holistic nursing care to diverse children and adolescents with acute and chronic health problems. Includes a focus on health promotion, and the application of the concepts of caring, clinical reasoning, quality improvement, communication, and teamwork, considering legal and ethical responsibilities of the nurse when caring for children and adolescents. Two credits theory and one credit clinical.

NURS 257 Nursing Care - Acute/Chronic 5 Credits

Provides for the acquisition and application of adult health nursing theory by applying clinical reasoning and safe, evidence-based, patient-centered, holistic nursing care to diverse adults with acute illnesses and long-term management of chronic illnesses. Includes a focus on health promotion and the application of the concepts of caring, clinical reasoning, quality improvement, communication, and teamwork, considering legal and ethical responsibilities of the nurse when working with adults. Three credits theory and two credits clinical. Offered fall semester only.

NURS 258 Patients Complex Hlth Problems 5 Credits

Provides for the acquisition and application of nursing theory for patients experiencing physiological crisis and end of life. Applies clinical reasoning and safe, evidence-based, patient-centered, holistic nursing care to diverse patients with complex health problems. Includes a focus on collaboration and care management, and the application of the concepts of caring, clinical reasoning, quality improvement, communication, and teamwork, considering legal and ethical responsibilities of the nurse in the management of patients in crisis and at the end of life. Two credits theory, two credits clinical. Offered spring semester only.

NURS 273 PD and Transition to Practice 3 Credits

Provides for an examination of the impact of clinical microsystems and organizational culture on patient care delivery and nursing practice. Incorporates an analysis of professional development resources for nurses upon entry into practice to facilitate progress form novice to expert. Two credits theory. Offered spring semester only.

Suggested Course Sequence

1st Semester - Fall

Course	Credits
English/Communications*	3
NURS 135	8
NURS 154	1
TOTAL	12

*Choose with advisor

2nd Semester - Spring

Course	Credits
English/Communications*	3
NURS 155	1
NURS 158	5
NURS 159	3
TOTAL	12

*Choose with advisor

3rd Semester - Fall

Course	Credits
NURS 252	3
NURS 257	5
U.S/NV Constitution*	3
TOTAL	11

*Choose with advisor

4th Semester - Spring

Course	Credits
NURS 258	5
NURS 253	3
NURS 273	3
Humanities/Fine Arts*	3
TOTAL	14

*Choose with advisor