



**MATH 116      Technical Mathematics I      3 Credits**

Provides technical mathematical core material so that the student gains practical problem solving experience. May include arithmetic operation, integers, exponents, scientific notation, algebraic expressions, equations, metric system, trigonometry, and logarithms. This course satisfies the general education requirement for occupational/technical AAS degree. It is recommended that students have completed prerequisites within two years of enrolling in this course.

**MATH 116E      Technical Mathematics Expanded      3-5 Credits**

Provides technical mathematical core material so that the student gains practical problem solving experience. May include arithmetic operation, integers, exponents, scientific notation, algebraic expressions, equations, metric system, trigonometry, and logarithms. This course satisfies the general education requirement for occupational/technical AAS degree.

**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.

**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.

<b>GEOL 102</b>	<b>Earth/Life Through Time</b>	<b>4 Credits</b>
The history of the earth and life as they have evolved together through time: plate tectonics, the physical landscape, and the biosphere. Includes laboratory for evaluating rocks, fossils, and the age of events.		
<b>NUTR 121</b>	<b>Human Nutrition</b>	<b>3 Credits</b>
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.		
<b>PHYS 100</b>	<b>Introductory Physics</b>	<b>3 Credits</b>
A concise treatment of the basic principles of physics. Includes mechanics, matter, electricity, magnetism, heat, sound, light, relativity, and nuclear physics.		
<b>PHYS 151</b>	<b>Gen Physics I</b>	<b>4 Credits</b>
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.		
<b>Social Science</b> - U.S. and Nevada Constitutions: HIST 101 and HIST 102 or PSC 101		
<b>HIST 101</b>	<b>U.S. History to 1877</b>	<b>3 Credits</b>
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.		
<b>HIST 102</b>	<b>U.S. History Since 1877</b>	<b>3 Credits</b>
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.		
<b>PSC 101</b>	<b>Intro American Politics</b>	<b>3 Credits</b>
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.		
<b>Human Relations</b>		
<b>PSY 208</b>	<b>Psy of Human Relations</b>	<b>3 Credits</b>
Explores the relationships between human beings and assists in the development of interpersonal communication skills which can be used personally and professionally.		
<b>Humanities or Fine Arts (one course required)</b>		
<b>ART 100</b>	<b>Visual Foundations</b>	<b>3 Credits</b>
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.		
<b>ART 101</b>	<b>Drawing I</b>	<b>3 Credits</b>
A disciplined foundation in drawing concepts based on visual observation skills.		
<b>ART 107</b>	<b>Design Fundmntls I (2-D)</b>	<b>3 Credits</b>
Explores the fundamentals of design using various media focusing on 2-D design.		
<b>ART 160</b>	<b>Art Appreciation</b>	<b>3 Credits</b>
Introduction to the visual arts, illustrating the place of art in its social and cultural setting.		
<b>ENG 203</b>	<b>Intro to Literary Study</b>	<b>3 Credits</b>
Introduction to the elements of fiction, poetry, and drama used in the analysis of literature.		
<b>ENG 205</b>	<b>Intro to Creative Writing</b>	<b>3 Credits</b>
A creative writing course designed to introduce students to the production of fiction and poetry.		
<b>ENG 223</b>	<b>Themes of Literature</b>	<b>3 Credits</b>
Themes and ideas significant in literature.		
<b>FIS 100</b>	<b>Introduction to Film</b>	<b>3 Credits</b>
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.		
<b>FREN 111</b>	<b>First Year French I</b>	<b>3-4 Credits</b>
Development of language skills through practice in listening, speaking, reading, writing, and structural analysis. Language practice required.		

<b>FREN 112</b>	<b>First Year French II</b>	<b>3-4 Credits</b>
A continuation of FREN 111. Language practice required.		
<b>HIST 208</b>	<b>World History I</b>	<b>3 Credits</b>
Survey of world civilizations to 1600. Examines societies, cultures, and issues relative to Africa, the Americas, Asia, Europe, the Middle East and Oceania.		
<b>HIST 209</b>	<b>World History II</b>	<b>3 Credits</b>
Survey of world civilizations since 1600. Examines historical societies, cultures, and issues relative to Africa, the Americas, Asia, Europe, the Middle East, and Oceania.		
<b>HUM 101</b>	<b>Intro to Humanities I</b>	<b>3 Credits</b>
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.		
<b>HUM 210</b>	<b>Communicating Diversity</b>	<b>3 Credits</b>
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.		
<b>MUS 101</b>	<b>Music Fundamentals</b>	<b>3 Credits</b>
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.		
<b>MUS 121</b>	<b>Music Appreciation</b>	<b>3 Credits</b>
The historical and cultural background of music and origins to the twentieth century.		
<b>PHIL 101</b>	<b>Intro to Philosophy</b>	<b>3 Credits</b>
Basic problems in different areas of philosophy such as ethics, political theory, metaphysics, and epistemology.		
<b>PHIL 102</b>	<b>Critical Thinking</b>	<b>3 Credits</b>
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.		
<b>PHIL 135</b>	<b>Introduction to Ethics</b>	<b>3 Credits</b>
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.		
<b>SPAN 111</b>	<b>First Year Spanish I</b>	<b>3 Credits</b>
Development of language skills through practice in listening, speaking, reading, writing, and structural analysis. Language practice required.		
<b>SPAN 112</b>	<b>First Yr Spanish II</b>	<b>3 Credits</b>
A continuation of SPAN 111. Language practice required.		
<b>SPAN 211</b>	<b>Second Year Spanish I</b>	<b>3 Credits</b>
Considers structural review, conversation and writing, and readings in modern literature.		
<b>THTR 100</b>	<b>Introduction to Theatre</b>	<b>3 Credits</b>
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.		
<b>THTR 105</b>	<b>Introduction to Acting I</b>	<b>3 Credits</b>
Examines acting fundamentals and focuses on development of vocal, physical, and creative tools to be used on stage.		
<b>THTR 204</b>	<b>Theatre Technology I</b>	<b>3 Credits</b>
Lecture and discussion encompassing the philosophy and techniques of technical theatre.		
<b>WELD 200</b>	<b>Metal Art</b>	<b>3 Credits</b>
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.		
<b>Technology</b>		
<b>EDU 214</b>	<b>Prep Teachers to Use Tech</b>	<b>3 Credits</b>
Lab course on advanced skills and strategies for integrating technology into the K-12 classroom. Computer experience is required in word processing, basic spreadsheet design, and file management.		

**Program Core Requirements****ECE 200      The Exceptional Child      3 Credits**

This course focuses on the characteristics, training, and educational needs of children with disabilities including children who are gifted. It explores the existing educational agencies, programs, and instructional methods designed for children with disabilities.

**ECE 204      Principles Child Guidance      3 Credits**

A study of effective communication with children in guiding behavior. Emphasis will be placed on techniques which help children build positive self-concepts and individual strengths within the context of appropriate limits and discipline. The study includes uses of direct and indirect guidance techniques as well as introduction to guidance systems.

**ECE 250      Intro Early Childhood Edu      3 Credits**

Introduces students to early childhood education. Course deals with the total preschool program including types, objectives, philosophy, curriculum, physical plant, and equipment, as these aspects of the program relate to the needs and interests of the preschool child.

**ECE 262      Early Lang/Litrcy Develop      3 Credits**

Course focuses on the four areas of Language Arts: speaking, listening, reading, and writing. Through a hands-on and interactive approach, students will explore the process of combining quality practices with specific materials and strategies focused on language and literacy development. In addition, students will examine the fundamentals of oral language and literacy-rich environments supported by the knowledge, skills, and dispositions that are predictive of later success in learning to read and write.

**Program Emphasis Requirements**

Select two of the following:

**ECE 126      Social/Emotional Development      3 Credits**

Study of effective development in infancy and toddlerhood. Emphasis is placed on experiences and techniques or use in the home and child care setting which will foster self-concept and social interactions for children from birth to three years of age.

**ECE 127      Role of Play Infnt/Toddlr      1-3 Credits**

Study of the role of play as it affects the social, emotional, and physical and intellectual growth and development of infants and toddlers.

**ECE 130      Infancy      3 Credits**

Course studies social, emotional, language, and sensorimotor development in infancy. Emphasis is placed on facilitating optimum infant and toddler development.

and

**ECE 231      Practicum:Early Child Lab      6 Credits**

Working in a preschool setting with young children under the supervision of a master teacher, planning and implementing activities. Practicum will normally be taken during the final year of the child development program. Law requires a TB test prior to enrollment.

**ECE 210      Assess of Young Children      3 Credits**

This course focuses on how to observe, document, and assess the growth and development of young children in early care and education settings. Students learn and practice a variety of appropriate observation techniques, documentation methods, and assessment strategies and tools. Students are introduced to the goals, benefits, and uses of assessment for young children. Confidentiality and assessment partnerships with families and other professionals are also explored.

**ECE 251      Curriculum Early Child Edu      3 Credits**

This course will consist of methods of planning and teaching curriculum for children three to five years old. Included will be curriculum development, children's play, lesson planning, and daily scheduling. Emphasis on art, science, literature, music, language, blocks, dramatic play, etc.

**HDFS 201      Lifespan Human Developmnt      3 Credits**

Individual development, roles, and interrelationships within the family system through the lifespan.

and

Select one of the following:

**HDFS 202      Introduction to Families      3 Credits**

Study the dynamics of development, interaction, and intimacy for primary relationships in contextual and theoretical frameworks. Review societal issues and choices facing diverse family systems and individuals living within families.

**HDFS 232      Diversity in Children      3 Credits**

The course considers the development of young children from the prenatal period through age eight, focusing in particular on diversity among children. Diversity will be explored in the terms of cultural, ethnic, and linguistic variations as well as differences in ability and typical and atypical development.

**Suggested Course Sequence****1st Semester - Fall**

Course Credits ECE I/T\*      3 ECE 204      3 ECE 250      3 ENGLISH\*      3-5 MATHEMATICS\*      3-6 TOTAL 15-20

\*Choose with Advisor

**2nd Semester - Spring**

Course Credits ECE 262      3 ECE 251      3 ECE I/T\*      3 ENGLISH\*      3 American Const or Institutions\*  
3-6 TOTAL 15-18 \*Choose with Advisor

### 3rd Semester - Fall

Course Credits ECE 210   3 ECE 200   3 HDFS\*   3 HUMANITIES/FINE ARTS\*   3 HDFS 201   3 TOTAL 15

### 4th Semester - Spring

Course Credits ECE 231   3 PSY 208   3 SCIENCE\*   3 EDU 214   3 TOTAL 15 \*Choose with Advisor