

GENERAL INFORMATION

Which Catalog?

The College of Southern Nevada publishes an annual catalog, which begins fall semester and ends with the following summer term. Each associate degree or certificate of achievement student seeking to graduate from CSN is required to satisfy course requirements as defined in the college catalog.

A student may select the catalog year governing requirements for graduation under the following circumstances:

- a. The year in which the student enrolled, or
- b. The year the student officially selects a program of study, or
- c. The year in which the student will complete the degree requirements for an associate, bachelor’s degree or a certificate of achievement.

If a degree is offered for the first time after a student has enrolled, the student may choose the catalog year in which the degree or major was first offered. The selected catalog may not be more than six years old at the time of graduation for students receiving an associate degree or certificate of achievement, and not more than ten years old at the time of graduation for students receiving a bachelor’s degree.

Credit and GPA Requirements

All candidates for graduation must earn a minimum of 30 credits for a certificate of achievement, 60 credits for an associate degree and 120 credits for a bachelor degree. Candidates for graduation must have a minimum cumulative grade point average of 2.0. Candidates for graduation must complete a minimum of 15 semester credit hours within CSN. For the Associate of Applied Science degree, a minimum of 15 credits must be earned in the special program requirements. Non-traditional credit, credit transferred from another institution, or credit earned through the course challenge process may not be used to establish the 15 credit residency requirement.

CSN General Education Core Requirements

Completing general education at CSN results in fulfilling the following student learning outcomes in the categories of English composition, mathematics, analytical reasoning, constitution, communication, literature, natural science, social science, humanities, human relations, and fine arts.

- Construct college-level academic and professional writing using appropriate conventions;
- Employ research methods including how to obtain and use information via both print and electronic media;
- Solve problems in quantitative mathematical reasoning including probability, statistics, geometry, and consumer mathematics;

- Demonstrate an understanding of the theoretical foundations of analytical reason and its connection to natural language;
- Examine and interpret the United States and Nevada constitutions;
- Demonstrate general academic literacy applied to oral communication appropriate to different audiences and purposes;
- Use critical reading skills to engage and analyze literary texts;
- Define and apply basic concepts in one or two scientific disciplines;
- Acquire appreciation or introductory knowledge about social sciences and their insights about individual or group behaviors;
- Acquire appreciation or introductory knowledge of the humanities or languages, and at least one of the fine arts;
- Experience or interpret cultural, social and other differences present in our society.

CSN General Education Core Distribution:

Core Content	AA	AB	AS	AAS
English	6	6	6	3
Literature	3	3	3	
Fine Arts	3*	3	3	3**
Humanities	6*	6	6	3**
Analytical Reasoning	3	3	3	
Mathematics	3	3	3	3
Natural Science	6	6		3
Social Science	9*		9	3**
Constitution	4	4	4	4
Communication				3
Human Relations				3

*Distribution depends on emphasis

**Fine Arts/Humanities/Social Science Requirement.

For the Comprehensive Degree Requirements, go to <http://www.csn.edu/uploadedfiles/General%20Counsel/Policies%20&%20Procedures/FAC%209.1%20-%20AA%20AS%20and%20AB%20Gen%20Ed%20policy.pdf>

or

<http://www.csn.edu/uploadedfiles/General%20Counsel/Policies%20&%20Procedures/FAC%2016.1%20-%20AAS%20Gen%20Ed%20Final.pdf>

Transfer Degrees

Students who plan to transfer to a four-year college or university can earn the Associate of Arts, Associate of Business, or the Associate of Science degree. These degrees provide the first two years of a four-year degree. **Any student transferring from the College of Southern Nevada with an Associate of Arts, Associate of Business, or an Associate**

Associate of Science degree will have that degree counted as fulfilling UNLV's general education requirements without the necessity for a course-by-course articulation.

Always see a counselor to outline a detailed guided pathway of study and to obtain all current information on CSN degree requirements leading to graduation. See Transfer Students' Rights and Responsibilities in this catalog.

COURSE NUMBERING INFORMATION

Remedial/developmental courses (099 or lower courses) may serve as prerequisites for courses but do not count toward total credits or fulfill degree requirements.

Remedial/Developmental Courses	001-099
Lower-Division Courses	100-299
Upper-Division Courses	300-499

COURSE SUFFIXES

Courses with a B suffix -

These courses may be non-transferable for a NSHE baccalaureate degree.

Example – XYX 123B

Courses with an E suffix -

These courses are designated as lecture (for music classes only).

Example – MUS 201E

Courses with a F suffix -

These courses are designated as “Ear-Training and Sight-Singing lab” (for music classes only).

Example – MUS 201F

Courses with a H suffix -

These courses are part of the Honors Program. See the Honors Program section of the catalog for more information.

Example – ABC 101H

Courses with a L suffix -

These courses are designated as labs. Please note that not all lab courses have the L suffix.

Example – XYZ 100L

BACHELOR OF SCIENCE

BACHELOR OF SCIENCE

The Bachelor of Science Program allows associate degree students and licensed dental hygienists the opportunity to build upon their current knowledge, enhance their current professional role, and advance to broader careers to meet the growing public health and education needs in dentistry.

The Bachelor of Science degree in Dental Hygiene will prepare dental hygiene professionals for enhanced roles and responsibilities within the emerging profession. The curriculum is designed to introduce students to the expanding role of dental hygienists in public health and education. Graduates of the Baccalaureate program will be qualified for an array of challenging career opportunities in public health, education, administration, research, management and related fields.

Studies can be undertaken on a full-time or part-time basis. All courses are offered online, in order to provide flexibility for each student's busy schedule.

Students transferring with an associate degree or equivalent from an accredited dental hygiene program will have that degree counted as fulfilling CSN's lower division general education requirements without the necessity for a course by course articulation.

This is a limited entry program. All students must satisfy the U.S./Nevada constitution legislative requirement.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the ability to acquire and synthesize information in a critical, scientific and effective manner.
- Demonstrate the ability to interact with other health professionals to provide educational services and strategies that promote and advance the health of the public.
- Demonstrate the ability to serve in roles and assume responsibility for health promotion and disease prevention activities for diverse populations by involvement in education and public health programs.
- Demonstrate the ability to contribute to the advancement of the dental hygiene body of knowledge and/or conduct research.

GENERAL EDUCATION REQUIREMENTS (50 Credits):

	CR	SEMESTER
LOWER DIVISION EDUCATION REQUIREMENTS CREDITS AWARDED:	37	
UPPER DIVISION GENERAL EDUCATION REQUIREMENTS: 13		
ENG 333 Professional Communications	3	_____
EPY 303 Educational Psychology	4	_____
PHIL 302 Intermediate Reasoning and Critical Thinking	3	_____
PHIL 311 Professional Ethics	3	_____

SPECIAL PROGRAM REQUIREMENTS (73 Credits):

	CR	SEMESTER
DENTAL HYGIENE CREDITS AWARDED	51	
Plus 18 credits from the following:		
DH 400 Group Dynamics and Human Relationships	3	_____
DH 402 Public Health and Special Populations	2	_____
DH 404 Research Methodology	2	_____

Continued in next column.

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	CR	SEMESTER
DH 406 Health Care Administration	2	_____
DH 408 Teaching Concepts for the Oral Health Professional	2	_____
DH 410 Cross Cultural Communication in Health Care	3	_____
DH 440 Capstone Seminar I	2	_____
DH 442 Capstone Seminar II	2	_____

Plus 4 credits from the following:

FOR PUBLIC HEALTH TRACT:

DH 412 Dental Public Health Administration	2	_____
DH 422 Oral Epidemiology and Biostatistics	2	_____

OR

FOR EDUCATION TRACT:

DH 418 Advanced Education Concepts	2	_____
DH 428 Clinical/Laboratory Teaching	2	_____

DH-BS **123** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

BACHELOR OF APPLIED SCIENCE

The Bachelor of Applied Science program allows associate degree students and registered respiratory therapists the opportunity to build upon their current knowledge, enhance their current professional role and advance to broader careers.

BACHELOR OF APPLIED SCIENCE

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Summarize respiratory leadership characteristics and assess managerial techniques.
- Evaluate theory and practice of educational modalities in clinical and non-clinical settings.
- Verify advanced practitioner skills through clinical performance in specialty area.
- Validate cultivation of skills in specialty area through presentation or research project.
- Critically evaluate research methodology, analyses, and literature.

GENERAL EDUCATION REQUIREMENTS (41 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 102, 113, 114	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 124 or above	3	_____
SCIENCE: BIOL 189, 223, 224, 251	16	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: PHIL 302 and PHIL 311 and one of the following: AM, ANTH, ART, COM, DAN 101, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (80 Credits):

	CR	SEMESTER
CLS 151 Phlebotomy	2	_____
CRS 111 Introductory Concepts of Cardiorespiratory Sciences	3	_____
CRS 112 Introductory Concepts of Cardiorespiratory Equipment	1	_____

Continued in next column.

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

Continued from previous column.

	CR	SEMESTER
CRS 115 Clinical Practicum I	4	_____
CRS 121 Advanced Concepts of Cardiorespiratory Sciences	3	_____
CRS 122 Advanced Concepts of Cardiorespiratory Equipment	1	_____
CRS 123 Applied Cardiorespiratory Assessment	3	_____
CRS 124 Cardiorespiratory Pharmacology	3	_____
CRS 125 Clinical Practicum II	4	_____
CRS 135 Clinical Practicum III	3	_____
CRS 211 Neonatal and Pediatric Cardiorespiratory Care	3	_____
CRS 212 Neonatal and Pediatric Cardiorespiratory Equipment	1	_____
CRS 213 Cardiorespiratory Diagnostics	3	_____
CRS 214 Cardiorespiratory Diagnostics Equipment	1	_____
CRS 215 Clinical Practicum IV	4	_____
CRS 221 Continuity of Cardiorespiratory Care	3	_____
CRS 222 Seminar for Success	1	_____
CRS 225 Clinical Practicum V	4	_____
CRS 312 Cardiorespiratory Leadership Dynamics	3	_____
CRS 313 Education and Mentoring in the Cardiorespiratory Setting	3	_____
CRS 315 Clinical Practicum VI	4	_____
CRS 322 Research and Evidence-Based Practice	3	_____
CRS 412 Long-Term and Palliative Survey of Cardiorespiratory Care	3	_____
CRS 421 Essentials of Sleep	3	_____
CRS 422 Special Project in Cardiorespiratory Sciences	1	_____
CRS 425 Clinical Practicum VII	4	_____
EGG 131 Technical Physics I	4	_____
or		
PHYS 110 Conceptual Physics or above		
HIT 117B Medical Terminology I	1	_____
HIT 165B Pathophysiology	4	_____

CRS-BAS **121** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

BACHELOR OF APPLIED SCIENCE

BACHELOR OF APPLIED SCIENCE

The Medical Laboratory Scientist (MLS) is an important member of the health care team in hospitals, clinics, medical research and teaching centers, and is an indispensable participant with physicians in providing critical diagnostic information. The MLS functions as a dependable, ambitious and highly motivated professional capable of handling high stress situations with ease and confidence.

The Medical Laboratory Scientist performs and interprets diagnostic laboratory procedures using state-of-the-art instrumentation to aid in the detection, diagnosis and treatment of disease; monitors the standards of accuracy and precision in the performance of tests; performs routine maintenance; analyzes and corrects instrument problems; researches, evaluates and implements new procedures; and may be responsible for fiscal/personnel management of laboratory.

The Bachelor of Applied Science degree in Medical Laboratory Scientist combines academic and laboratory courses on campus with practical experience at clinical affiliate sites. The BAS in Medical Laboratory Scientist Program will seek program accreditation through the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS).

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate comprehension of concepts and techniques in all major clinical laboratory disciplines.
- Demonstrate the knowledge and skills necessary to perform and interpret complex laboratory procedures.
- Perform and interpret associated quality assurance procedures.
- Develop skills in leadership, resource management, research and teaching.
- Demonstrate entry-level competencies necessary to secure employment as a medical laboratory scientist.

GENERAL EDUCATION REQUIREMENTS (54 Credits):

SPECIAL PROGRAM REQUIREMENTS (66 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 113	3-5	_____
ENGLISH: ENG 102 or 114 and ENG 333	6	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 124 or above	3	_____
SCIENCE: BIOL 196, 197, 214 or BIOL 214, 223, 224 and CHEM 110, 111, 220 or CHEM 121, 122, 220	23	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: ECON 261, PHIL 302, PHIL 311 Plus 3 credits from the following: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY SOC, THTR, WMST 113	12	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
CLS 151 Phlebotomy	2	_____
CLS 152 Applied Phlebotomy	2	_____
CLS 153 Phlebotomy Clinical Practicum	2	_____
CLS 161 Urinalysis and Body Fluids	1	_____
CLS 162 Applied Urinalysis and Body Fluids	1	_____
CLS 241 Clinical Chemistry I	3	_____
CLS 242 Applied Clinical Chemistry I	2	_____
CLS 251 Immunology/Immunoematology I	2	_____
CLS 252 Applied Immunology/Immunoematology I	2	_____
CLS 265 Laboratory Operations I	1	_____
CLS 271 Clinical Microbiology I	3	_____
CLS 272 Applied Clinical Microbiology I	2	_____
CLS 291 Hematology I	2	_____
CLS 292 Applied Hematology I	2	_____
CLS 294 Clinical Practicum I	2	_____
CLS 295 Clinical Practicum II	2	_____
CLS 296 Clinical Practicum III	4	_____
CLS 365 Laboratory Operations II	1	_____
CLS 446 Clinical Chemistry II	2	_____
CLS 447 Applied Clinical Chemistry II	1	_____
CLS 448 Hematology II	2	_____
CLS 449 Applied Hematology II	1	_____
CLS 456 Immunology/Immunoematology II	2	_____
CLS 457 Applied Immunology/Immunoematology II	1	_____
CLS 476 Clinical Microbiology II	2	_____
CLS 477 Applied Clinical Microbiology II	1	_____
CLS 478 Research Methods	2	_____
CLS 491 Clinical Practicum - Chemistry	4	_____
CLS 493 Clinical Practicum - Immunology/Immunoematology	4	_____
CLS 495 Clinical Practicum - Microbiology	4	_____
CLS 497 Clinical Practicum - Hematology	4	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

120
Total Credits
MLS-BAS

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

The Associate of Arts Degree is a general transfer program for students who are planning to transfer to UNLV, UNR, NSC, GBC or another baccalaureate-level institution. Students who are transferring outside the NSHE are advised to select courses that meet the requirements of the institution to which they intend to transfer. The AA allows for a disciplinary emphasis and leads to further, specialized study at a four-year college or university.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Produce oral and written communication befitting the context and audience.
- Utilize mathematical, symbolic, logical, graphical, geometric, or statistical analysis for the interpretation and solution of problems.
- Identify and analyze a problem, generate and consider potential solutions, and defend the best solution based on evidence and reasoning.
- Synthesize information from a variety of academic disciplines.
- Examine the variations in human culture and incorporate perspectives of diversity.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.



GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above, PHIL	6	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (25 Credits):

	CR	SEMESTER
SOCIAL SCIENCES: (Nine credits must be from three different disciplines) ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____

SEE A COUNSELOR TO SELECT 16 CREDITS:

	CR	SEMESTER
	16	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____



Counselor Signature _____
Date

Student Signature _____
Date

AA **60**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Demonstrate ability to distinguish among the fields of psychology, sociology, and anthropology, including theoretical perspectives, methodologies, and levels of analysis.
- Demonstrate ability to apply at least three anthropological tools/concepts/principles and analysis of real situations in family, friendship groups, workplace, students and/or other groups.
- Demonstrate ability to distinguish among the four sub-fields of anthropology, including historical development, methodology, and theoretical orientation.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above, PHIL	6	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (29 Credits):

	CR	SEMESTER
SOCIAL SCIENCES: (Six credits must be from two different disciplines) CRJ 104, ECON, PSC, PSY, SOC, WMST 113	6	_____
ANTH 101 Introduction to Cultural Anthropology	3	_____
ANTH 102 Introduction to Physical Anthropology	3	_____
ANTH 105 Introduction to World Archaeology	3	_____
ANTH 106 Introduction to Anthropological Linguistics	3	_____
ANTH 299 Capstone Course in Anthropology	1	_____
PSY 210 Introduction to Statistical Methods	4	_____
Plus 6 credits from the following:		
FOR GENERAL ANTHROPOLOGY: ANTH 112 or above	6	_____
FOR AFRICAN CULTURE: ANTH 201, 204, 205, 206, 209, 216 or ENG 223	6	_____

ASSOCIATE OF ARTS

ANTH-AA **64** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Apply critical thinking skills in the production and analysis of works of art.
- Create art that demonstrates strong foundational skills in the application of technique.
- Articulate orally and through written responses to works of art using appropriate language of art.
- Demonstrate knowledge of the artistic practices and cultural contexts of a variety of artistic traditions.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines) ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
ART 101 Drawing I	3	_____
ART 102 Drawing II	3	_____
ART 107 Design Fundamentals I (2-D)	3	_____
ART 216 Sculpture I	3	_____
ART 231 Painting I	3	_____
ART 260 Survey of Art History I or ART 261 Survey of Art History II	3	_____
ART 262 Survey of Asian Art or ART 263 Survey of African, Oceanic, and Native American Art	3	_____
ART 298 Portfolio Emphasis	3	_____
Plus 3 credits from the following:		
ART 124 Introduction to Printmaking	3	_____
ART 135 Photography I	3	_____
ART 141 Introduction to Digital Photography	3	_____
ART 201 Life Drawing I	3	_____
ART 211 Ceramics I	3	_____
ART 243 Digital Imaging I	3	_____
ART 265 Introduction to Contemporary Art	3	_____

ART-AA **62**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF ARTS DEGREE (AA)

The Associate of Arts in Communication is a general transfer program for students who plan to transfer to a baccalaureate-level institution. This program offers students a solid foundation in communication theory and extensive practice in application of communication skills. Our courses cover public speaking, interpersonal communication, group communication, intercultural communication, film criticism, survey of rhetorical studies, survey of communication studies, argumentation and debate, and a variety of special topics within the discipline.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Demonstrate effective and appropriate communication choices as sender, receiver, and observer.
- Understand the human communication process in a variety of contexts: interpersonal, public, group, and mass.
- Understand, analyze and evaluate major theories of communication as they invent, research, organize, and deliver structured speeches, papers, or projects.
- Demonstrate competence with technologies and equipment common to communication practices.
- Apply critical analysis and logical thinking toward making informed, reasoned, and equitable decisions.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines) ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
HUMANITIES: ENG 223 or above, HIST International Languages 111 or above, PHIL	3	_____
COM 101 Oral Communication	3	_____
COM 102 Introduction to Interpersonal Communication	3	_____
COM 216 Survey of Communication Studies	3	_____
Plus 15 credits from the following:		
COM 133 Culture and Communication and COM Electives	3 12	_____ _____

ASSOCIATE OF ARTS

COM-AA **62** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

The AA degree with Creative Writing emphasis focuses on the writing of fiction or poetry. As knowledge of the genres and traditions of literature is central to the development of a writer or poet, courses that include the study of the elements of fiction and poetry are integrated into the program.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge and use of the forms and component elements of the genre (fiction or poetry).
- Identify purpose and audience within the context of fiction or poetry.
- Understand literary elements such as use of character, setting point of view, plot, style, and theme for fiction; metaphor, simile, meter, symbol, allusion, narrative, and theme for poetry.
- Complete a portfolio with work that exhibits effective use of language, self-editing, and controlled voice in a given genre.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines) ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
International Languages 111 or above (courses must be in a single language)	8	_____
COM 101 Oral Communication	3	_____
ENG 205 Introduction to Creative Writing	3	_____
ENG 296 Portfolio Assessment	1	_____
Plus 6 credits from the following:		
ENG 220 Writing Poetry	3-6	_____
and/or		
ENG 221 Writing Fiction	3-6	_____
Plus 6 credits from the following:		
ENG 243 Introduction to Short Story		
ENG 261 Introduction to Poetry		
ENG 275 Contemporary Literature		
ENG 278 Readings in the Contemporary Novel		

ENG CW-AA **62** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

The Associate of Arts Degree in Criminal Justice is intended to provide students with the skills, abilities and knowledge needed in order to become practitioners, to transfer to another institution, and to continue their education. The degree will provide students with a broad overview of the criminal justice system and the criminal justice process, the origin and purpose of formalized criminal laws and other methods of social control, factors that contribute to deviant behavior, methods by which crime might be controlled, and various perspectives relating to the purpose of the criminal justice system in contemporary American society.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge of the history and nature of the major components of the criminal justice system: police, courts, and corrections.
- Demonstrate familiarity with the basis of decision-making in the criminal justice process, the social and political context of the legal system, important constitutional issues, and how criminal law differs from other forms of law.
- Demonstrate knowledge of the overall problem of crime in the United States, including different types of crimes.
- Understand current issues related to crime prevention and rehabilitation of offenders.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER		CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____	CRJ 104	Introduction to Administration of Justice	3 _____
LITERATURE: ENG 223 or above	3	_____	CRJ 120	Community Relations	3 _____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____	CRJ 130	Survey of Criminal Law	3 _____
HUMANITIES: COM 101 and HIST, International Languages 111 or above, PHIL	6	_____	CRJ 220	Criminal Procedures	3 _____
ANALYTICAL THINKING: PHIL 102	3	_____	CRJ 270	Introduction to Criminology	3 _____
MATHEMATICS: MATH 120, 124 or above	3	_____	Plus 12 credits from the following:		
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____	CRJ 106	Introduction to Corrections	3 _____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	CRJ 155	Juvenile Justice System	3 _____
			CRJ 164	Introduction to Criminal Investigation	3 _____
			CRJ 211	Police in America	3 _____
			CRJ 215	Probation and Parole	3 _____
			CRJ 235	Legal Method and Process	3 _____
			CRJ 286	Sexual Abuse of Children	3 _____

ASSOCIATE OF ARTS

CRJ-AA **62** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF ARTS DEGREE (AA)

This degree is designed to provide for the first two years of college preparation for students wanting to be certified as early childhood teacher (preschool through second grade), who plan to become a paraprofessional (Instructional Aide) and/or in preparation for other early childhood careers.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the dimensions of multicultural education, and demonstrate knowledge of the appropriate pedagogical practices for teaching diverse students.
- Demonstrate the use of computers, programs and software, the internet and technological tools.
- Explain the major theoretical perspectives of educational psychology and apply the concepts and methods of psychology to teaching, learning and schooling.
- Explain the variety of conventional and informal appraisal techniques for evaluation of the learners' progression and performance, and provide various modifications within the instructing and learning strategies.
- Explain the historical, legal, and philosophical foundations, setting, problems, complexities, and issues related to contemporary early childhood education.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101, HIST 217	6	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 123 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
ECE 232 Practicum: Infant and Toddler	3	_____
ECE 250 Introduction to Early Childhood Education	3	_____
ECE 251 Curriculum in Early Childhood Education	3	_____
ECE 252 Infant/Toddler Curriculum	3	_____
ECE 260 Children's Literature	3	_____
EDU 210 Nevada School Law	2	_____
EDU 214 Preparing Teachers to Use Technology	3	_____
EDU 220 Principles of Educational Psychology	4	_____
EDU 280 Valuing Cultural Diversity	3	_____
EDU 299 Education Portfolio	1	_____

ASSOCIATE OF ARTS

ECEEDUC-AA **63** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

The Economics degree builds upon a theoretical foundation and statistical training that prepares students to think analytically and critically to solve complex problems, as well as to recognize the component of human behavior reflecting economics as a social science. The Associate of Arts Degree with an Economics Emphasis offers the choice between a General Economics track and an Applied Financial Economics (AFE) track. The General Economics is a general transfer program for students who are planning to transfer to a baccalaureate-level program. The AFE program will assist in preparing for a multitude of investment and risk management licenses for those seeking to continue in that path. Completion of the AFE track will include an Internship in Financial Economics with interactive participation of financial institutions.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of economic concepts and applications emphasizing economic theoretical perspectives.
- Demonstrate knowledge of alternative forms of market structure and their resulting social impact.
- Demonstrate knowledge of the nature of the U.S. banking system and how the Federal Reserve System implements monetary policy.
- Demonstrate abilities to utilize investment science and risk management to optimize investment decision making processes.
- Demonstrate an ability to use the language of economics to form reasoned judgments about contemporary issues.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

SPECIAL PROGRAM REQUIREMENTS (26 Credits):

	CR	SEMESTER		CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____	ECON 102 Principles of Microeconomics	3	_____
LITERATURE: ENG 223 or above	3	_____	ECON 103 Principles of Macroeconomics	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____	ECON 261 Principles of Statistics I	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, PHIL	6	_____	International Languages (Two courses in the same language)	8	_____
ANALYTICAL THINKING: PHIL 102	3	_____	FOR GENERAL ECONOMICS:		
MATHEMATICS: MATH 124	3	_____	ECON 262 Principles of Statistics II	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab) AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____	ECON 274 Investment Economics	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	ECON 295 Special Topics in Economics	3	_____
			FOR APPLIED FINANCIAL ECONOMICS:		
			ECON 274 Investment Economics	3	_____
			ECON 275 Risk Management Economics	3	_____
			ECON 276 Internship in Financial Economics	3	_____

ASSOCIATE OF ARTS

ECONGE-AA **61** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

This degree is designed to provide for the first two years of college preparation for students preparing to become elementary education teachers and/or who plan to become a paraprofessional (Instructional Aid).

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Recognize the dimensions of multicultural education, and demonstrate knowledge of the appropriate pedagogical practices for teaching diverse students.
- Demonstrate use of computers, programs and software, the internet and technological tools for the integration of technology across the school curriculum.
- Explain the major theoretical perspective of education psychology and apply the concepts and methods of psychology to teaching, learning, and schooling.
- Explain the variety of conventional and informal appraisal techniques for evaluation of the learners' progression and performance, and provides various modifications within the instruction and learning strategies.
- Explain the historical, legal, and philosophical foundations, settings, problems, complexities, and issues related to contemporary elementary education.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (40 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101, HIST 217	6	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 123 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (One course must be taken from each category listed below.) LIFE SCIENCE: BIOL 101 and Lab EARTH SCIENCE: GEOG 103 and 104 (Lab) PHYSICAL SCIENCE: CHEM 105 and 106 (Lab)	12	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (22 Credits):

	CR	SEMESTER
EDU 201 Introduction to Elementary Education	3	_____
EDU 203 Introduction to Special Education	3	_____
EDU 210 Nevada School Law	2	_____
EDU 214 Preparing Teachers to Use Technology	3	_____
EDU 220 Principles of Educational Psychology	4	_____
EDU 280 Valuing Cultural Diversity	3	_____
EDU 299 Educational Portfolio	1	_____
MATH 122 Number Concepts for Elementary School Teachers	3	_____

ASSOCIATE OF ARTS

ELEM-AA **62** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF ARTS DEGREE (AA)

This degree prepares students for career leadership positions in the area of Emergency Management and Homeland Security. Students will learn the basic tenets of emergency management mitigation, preparedness, response and recovery. Students will also learn the concepts of Homeland Security including intelligence analysis and terrorism response. The purpose of the Emergency Management-Homeland Security degree is to assist private businesses and governmental agencies with command and control operations and support of minor and major disasters.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate basic knowledge of all the tenets of emergency management including mitigation, recovery, preparedness and response.
- Demonstrate knowledge of interagency and community-wide participation in planning, coordinating and management functions designed to improve emergency management capabilities.
- Demonstrate understanding of emergency management theories and concepts.
- Demonstrate understanding of Homeland Security theories and concepts.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (32 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (30 Credits):

	CR	SEMESTER
CRJ 108 Introduction to Homeland Security	3	_____
or		
EMA 101 Principles of Emergency Management		
CRJ 160 Business Continuity and Resilience	3	_____
EMA 102 Disaster Mitigation and Preparedness	3	_____
EMA 120 Emergency Operations Centers	3	_____
EMA 140 Disaster Response and Recovery	3	_____
Plus 15 credits from the following:		
CRJ 104 Introduction to Administration of Justice	3	_____
CRJ 108 Introduction to Homeland Security	3	_____
CRJ 145 Transportation and Border Security	3	_____
CRJ 261 Intelligence Analysis and Security Management	3	_____
CRJ 290 Internship in Criminal Justice	3	_____
EMA 101 Principles of Emergency Management	3	_____
EMA 130 Role and Scope of the Public Information Officer	3	_____
EMA 220 Emergency Simulations and Exercises	3	_____
EMA 230 Incident Command System (ICS) and National Incident Management System (NIMS)	3	_____
EMA 250 Terrorism Response Planning	3	_____

ASSOCIATE OF ARTS

EMHSA-AA **62** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

The Associate of Arts Degree with an English Emphasis helps students develop and apply critical thinking, analytical writing, and communication skills. Students who complete these degree requirements will be prepared to transfer to a four-year institution.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate critical thinking, reading, and writing skills in the analysis of a variety of academic texts by authors of diverse cultural backgrounds.
- Identify purpose and audience within the rhetorical context.
- Use the steps of the writing process (using invention strategies, organizing, writing, and revising) to produce coherent, well-developed essays with clear thesis statements topic sentences and effective transitional expressions.
- Apply the conventions of standard English (grammar, mechanics, and usage) in written assignments.
- Develop research, synthesis, and documentation skills to prepare papers with MLA-style citations.
- Incorporate computer technology (type, spell check, cut/paste, save, print, etc.) into the writing process and apply the skills of revision, editing, and proofreading in written assignments.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (41 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
COMMUNICATIONS COM 101	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines) ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (20 Credits):

	CR	SEMESTER
International Languages 111 or above (courses must be in a single language)	8	_____
ENG 231 or above	3	_____
ENG 298 Writing About Literature	3	_____
Plus 6 credits from the following:		
ENG 235 Survey of English Literature I	3	_____
ENG 236 Survey of English Literature II	3	_____
ENG 241 Survey of American Literature I	3	_____
ENG 242 Survey of American Literature II	3	_____

ENG-AA **61**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

The Global Studies program is predicated on the notion that solutions to local, national, and international issues are found not within the confines of a particular field, but at the boundaries and within the union of disciplines. This implies that the program is interdisciplinary. Gaining an understanding of global social, economic, political, historical systems which are anchored in the differing philosophical and religious traditions will help the student appreciate the commonality of all human aspirations irrespective of location. The appreciation of diversity of human cultures and traditions is the core value which enables program graduates to work and succeed in our global Society.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Through oral and/or written arguments present logically and internally consistent arguments from a variety of sides of a contemporary global issue or event.
- Analyze, reformulate issues, and proffer solutions using the art of compassionate critical thinking.
- Through oral and/or written argument demonstrate an understanding of the interconnectedness of global events.
- Through oral and/or written arguments demonstrate an appreciation that people the world over face many of the same global issues despite their diverse values and traditions.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER		CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6	_____	ANTH 201 People and Culture of the World	3	_____
LITERATURE: ENG 223 or above	3	_____	GEOG 106 World Geography	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____	HIST 209 World History II	3	_____
HUMANITIES: COM 101	3	_____	PHIL 207 Social and Political Philosophy	3	_____
SOCIAL SCIENCES: ECON 103, WMST 113	3	_____	or		
ANALYTICAL THINKING: PHIL 102	3	_____	PHIL 210 World Religions		
MATHEMATICS: MATH 120, 124, 132 or above	3	_____	PSC 231 World Politics	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV 101, GEOG 103, 104, 117	7	_____	SOC 205 Ethnic Groups in Contemporary Societies	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	International Languages: (Two courses in the same language)	6-8	_____
			Plus 3 credits from the following:		
			CAPSTONE COURSE IN GLOBAL STUDIES: In consultation with Department Chair		
			ECON 295 Special Topics in Economics	1-3	_____
			HIST 295 Topical Issues in History	1-3	_____
			PHIL 295 Topical Issues in Philosophy	1-3	_____
			PSC 295 Topical Issues in Political Science	1-3	_____
			WMST 295 Special Topics	1-3	_____

ASSOCIATE OF ARTS

GLOB-AA **62** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

The Associate of Arts Degree with History emphasis builds a foundation of knowledge as preparation for further academic work in history or related fields. The history faculty has also designed the program to expose students to various historical interpretations and the interplay of world, national, state, and local events. Students pursuing the degree for its own sake will explore the social, political, economic, constitutional, and cultural trends that have shaped the world in which we live.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the contours of history as a varied field of study encompassing social, political, economic, constitutional, and cultural history.
- Demonstrate an understanding of history in general, and the interplay of world, national, and/or local events in the shaping of the world in which we live, and a better appreciation of the student's role in society.
- Demonstrate appropriate oral and written communications skills.
- Demonstrate critical thinking skills.
- Demonstrate abilities to do research and find information on historical and current events.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines) ANTH, CRJ 104, ECON 103, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101	4	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101, International Languages 111 or above, PHIL	3	_____
HIST 101 U.S. History I	3	_____
HIST 102 U.S. History II	3	_____
HIST 105 European Civilization to 1648 or HIST 208 World History I	3	_____
HIST 106 European Civilization Since 1648 or HIST 209 World History II	3	_____
HIST 217 Nevada History	3	_____
HIST 251 Historical Investigation	3	_____
Plus 3 credits from the following: HIST	3	_____

HIST-AA **62**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF ARTS DEGREE (AA)

The Associate of Arts (AA) degree with a Hospitality Management emphasis is specifically designed for the student who intends to transfer to the William F. Harrah College of Administration at UNLV. This AA degree is fully articulated with UNLV and the hotel college.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Demonstrate proficiency in hotel operations in the areas of Front Office and Housekeeping.
- Demonstrate knowledge of the nature and scope of the hospitality industry.
- Demonstrate proficiency in financial accounting.
- Understand the various service delivery systems used in the hospitality industry.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and HIST, International Languages 111 or above, PHIL	6	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
ACC 201 Financial Accounting	3	_____
HMD 101 Introduction to the Hospitality Industry	3	_____
HMD 202 Housekeeping Operations	3	_____
HMD 203 Front-Office Operations	3	_____
HMD 226 Industry Computer Applications for Hospitality and Tourism	3	_____
HMD 253 Hospitality Services Management	3	_____
HMD 259 Human Resources Management in the Hospitality Industry	3	_____
HMD 295 Work Experience in Lodging Operations	1	_____
TCA 201 Hospitality Career Development	3	_____
TCA 221 Hospitality Accounting I	3	_____

ASSOCIATE OF ARTS

HMD-AA **63** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an ability to converse at an intermediate level of fluency in the language of concentration.
- Acquire a passive reading vocabulary equivalent to that necessary for success in 300-level courses.
- Demonstrate knowledge of the culture and context of the language of concentration.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (26 Credits):

	CR	SEMESTER
FINE ARTS: ART, DAN 101, Music, THTR	6	_____
HUMANITIES: COM 101 and HIST or PHIL	6	_____
International Languages 111 or above (courses must be in a single language)	14	_____

INTL-AA **61** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

The Associate of Arts in Journalism and Media offers students two tracks to follow; one in Convergent Journalism and one in Integrated Marketing Communication.

The practice of convergence, multimedia production and cross-ownership have shaped the reality of modern journalism. As costs rise and audiences diverse where they get their news from, a trend toward cooperation and collaboration between what were once separate media entities has taken place. Students entering the journalism field now need to know the basics of all forms of media as well as how to combine them into multimedia presentations. The convergent journalism track will give students the base of knowledge they need to be successful in this era of convergence.

Integrated Marketing Communication (IMC) is the modern practice of combining public relations, advertising, database/direct marketing, sales/event promotion and multimedia communication. The IMC track will give students the base of knowledge to be successful in this field and/or specialize in advertising or public relations positions.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the industry makeup and business and societal functions of the various mass media.
- Demonstrate an understanding of the basics of journalistic writing for the various forms of media.
- Demonstrate an understanding of the journalistic research process for the construction of media messages.
- Demonstrate an understanding of professional ethics and the laws that govern the mass media industry.
- Gain professional experience through service in internship positions.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (38 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
HUMANITIES: COM 101	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
JOUR 100 Introduction to Journalism and Media Studies	3	_____
JOUR 101 Critical Analysis of the Mass Media	3	_____
JOUR 102 News Reporting and Writing	3	_____
FOR CONVERGENT JOURNALISM:		
COM 196 Internship	3	_____
JOUR 105 News Production I	3	_____
JOUR 121 Radio Production	3	_____
JOUR 201 Television Studio Production I	3	_____
JOUR 202 Electronic Media Production I	3	_____
JOUR 220 Fundamentals of Applied Media Aesthetics	3	_____
FOR INTEGRATED MARKETING COMMUNICATION:		
COM 196 Internship	3	_____
JOUR 210 Introduction to Public Relations	3	_____
JOUR 212 Principles of Advertising	3	_____
JOUR 220 Fundamentals of Applied Media Aesthetics	3	_____
JOUR 261 Introduction to IMC	3	_____
JOUR 276 Design Principles for Advertising/Publications	3	_____

JOUR-AA **65** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF ARTS

ASSOCIATE OF ARTS DEGREE (AA)

This interdisciplinary degree offers courses on Latin America and Latinas/Latinos in the United States. It aims at providing an overview of the historical, political, cultural, financial, psychological, and artistic factors that have contributed to create the current conditions, identity, and diversity of these groups. The program prepares students for further education and careers in areas such as education, humanities, social sciences, business, counseling, and the media.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Analyze a variety of historical, political, economic, geographic, and social issues that define Latin America and/or U.S. Latina/os.
- Examine the diversity and complexity of cultures, traditions, and artistic expressions found throughout Latin America and/or the U.S. Latina/o population.
- Demonstrate language competency equal to a one-year sequence in Spanish or Portuguese at the college level.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART 267, 278, MUS 229	3	_____
HUMANITIES: COM 101 and ENG 292 or ENG 293	6	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (25 Credits):

	CR	SEMESTER
LAS 100 Introduction to Latina/o Studies or LAS 210 Hispanic Groups in the United States	3	_____
LAS 101 Introduction to Latin American Studies	3	_____
LAS 299 Capstone Class in Latin American Studies	1	_____

Continued in next column.

Continued from previous column.

	CR	SEMESTER
Plus 6-8 credits from one of the following groups: 6-8		_____
PORT 111 First Year Portuguese I		
PORT 112 First Year Portuguese II		
PORT 211 Second Year Portuguese I		
PORT 212 Second Year Portuguese II		
or		
SPAN 111 First Year Spanish I		
SPAN 112 First Year Spanish II		
SPAN 211 Second Year Spanish I		
SPAN 212 Second Year Spanish II		
or		
SPAN 126 Introduction to Spanish for Heritage Speakers		
SPAN 226 Spanish for Heritage Speakers I		
SPAN 227 Spanish for Heritage Speakers II		
Plus 3 credits from the following:	3	_____
ENG 211 Introduction to Linguistics		
LAS 223 Spanish Caribbean Culture		
LAS 224 Mexican Culture		
Plus 9 credits from the following:	9	_____
ANTH 214 Introduction to Mesoamerican Prehistory and Archaeology		
ECON 180 The Economics and Discrimination		
HIST 227 Introduction to Latin American History and Culture I		
HIST 228 Introduction to Latin American History and Culture II		
HIST 247 History of the Mexican Nation		
PSC 205 Latino Politics and Society		
PSY 224 Introduction to Latino Psychology		
RST 260 Meso American Religions: Jaguars, Serpents, Trees		

ASSOCIATE OF ARTS

LAS-AA **60** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF ARTS DEGREE (AA)

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate fluency in the written language of music, including the ability to read and write in multiple clefs, recognize and construct various musical devices including chords, scales, intervals, rhythms, and harmonization in traditional and contemporary styles.
- Demonstrate literacy in the historical styles of music, including the ability to recognize Western musical forms and styles from the Middle Ages through the twentieth century.
- Acquire broad experience in applied music, through piano proficiency examinations, private instruction on voice or an instrument, and required ensemble participation.
- Demonstrate expanded knowledge of diversity and technology, issues which have significant impact upon the ever-changing fields of music history, theory, and performance.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
MUS 131 Introduction to Music Literature	3	_____
MUS 201E Basic Musicianship I E	3	_____
MUS 201F Basic Musicianship I F	1	_____
MUS 202E Basic Musicianship II E	3	_____
MUS 202F Basic Musicianship II F	1	_____
MUS 207E Advanced Musicianship I E	3	_____
MUS 207F Advanced Musicianship I F	1	_____
MUS 208E Advanced Musicianship II E	3	_____
MUS 208F Advanced Musicianship II F	1	_____
Private Lessons (MUSA 101-146, MUSA 201-246)	4-8	_____
Ensemble (MUSE 101 - MUSE 161)	4	_____
Piano Proficiency Exam and three juried performances in major field are required.		
Four semesters Concert Attendance required (MUS 100)		

MUS-AA **62**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF ARTS DEGREE (AA)

Studying Philosophy cultivates intellectual skills that are useful in all professional, personal and academic contexts. In every Philosophy course, students are shown how to analyze issues and information, and to both produce and assess arguments according to the standards of good reasoning. The serious attempt to answer philosophical questions makes up part of the core of a meaningful human life no matter what job or career one chooses.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge of influential thinkers and arguments that have been advanced in the history of the Western intellectual tradition.
- Demonstrate knowledge of some of the most influential thinkers and arguments that have been advanced by contemporary thinkers.
- Demonstrate knowledge of some of the core concepts and vocabulary related to metaphysics, epistemology, ethics, aesthetics, and logic.
- Demonstrate an ability to think critically, such as the ability to identify inconsistencies in sets of claims, to identify the presumptions of claims, and to identify the implications of claims.
- Demonstrate the ability to think objectively, that is, dispassionately, about their own personal convictions whether they are religious, political, or social in nature.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
FINE ARTS: ART, DAN 101, Music, THTR	6	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above	6	_____
PHIL 101 Introduction to Philosophy	3	_____
Plus 12 credits from the following:		
PHIL		
_____	3	_____
_____	3	_____
_____	3	_____
_____	3	_____

PHIL-AA **62** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF ARTS DEGREE (AA)

The Political Science program at CSN emphasizes familiarizing students with the basis and functioning of the United States and Nevada governments. Students will also learn about the workings of international relations and the role of the United States in world politics. The study of Political Science will prepare students to pursue many different jobs and careers, especially in the fields of government service, diplomacy, law, politics, and teaching.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge and understanding of the Nevada Constitution and the Bill of Rights, and the major institutions of government, executive, legislative, judicial, and the remaining amendments to the United States Constitution.
- Provide a rationale for the study of American Politics and the historical development of this field.
- Demonstrate a greater knowledge and understanding of this democratic republic, as well as demonstrate an understanding of U.S. public policy and its relation to our lives.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above, PHIL	6	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
U.S. AND NEVADA CONSTITUTIONS: HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (25 Credits):

	CR	SEMESTER
SOCIAL SCIENCES: ECON 103 and ANTH, CRJ 104, PSY, SOC	6	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
PSC 101 Introduction to American Politics	4	_____
PSC 200 Survey of Political Theory	3	_____
PSC 211 Introduction to Comparative Politics	3	_____
Plus 6 credits from the following:		
PSC		
_____	3	_____
_____	3	_____

PSC-AA **60**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF ARTS DEGREE (AA)

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate familiarity with empirical scientific methods and theory utilized in social science research.
- Demonstrate ability to distinguish among psychologists, psychiatrists, psychoanalysts, including theoretical orientations, methods of inquiry and techniques of intervention.
- Demonstrate ability to apply three of the six major psychological perspectives including cognitive, behaviorism, biological psychology, humanistic psychology, socio-cultural psychology and evolutionary psychology to the analysis of human behavior.
- Apply at least three psychology tools/concepts/principles towards improvement of life for themselves and/or others.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above, PHIL	6	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (26 Credits):

	CR	SEMESTER
SOCIAL SCIENCES: (Nine credits must be from three different disciplines) ANTH, CRJ 104, ECON, PSC, SOC, WMST 113	9	_____
FOR GENERAL PSYCHOLOGY:		
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
PSY 101 General Psychology	3	_____
PSY 210 Introduction to Statistical Methods	4	_____
PSY 240 Introduction to Research Methods	3	_____
PSY 298 Capstone Course	1	_____
Plus 3 credits from the following:		
PSY	3	_____
FOR MENTAL HEALTH:		
MHDD 103 Psychopathology and Developmental Disabilities	1	_____
MHDD 107 Medication Fundamentals	2	_____
MHDD 109 Introduction to Therapeutic Interventions	2	_____
MHDD 127 Positive Behavior Supports or MHDD 154 Advanced Therapeutic Interventions	2	_____
PSY 101 General Psychology	3	_____
PSY 210 Introduction to Statistical Methods	4	_____
PSY 241 Introduction to Abnormal Psychology	3	_____

PSY-AA **61** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

This degree is designed to provide for the first two years of college preparation for students preparing to become secondary education teachers and/or who plan to become a paraprofessional (Instructional Aid).

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Recognize the dimensions of multicultural education, and demonstrate knowledge of the appropriate pedagogical practices for teaching diverse students.
- Demonstrate use of computers, programs and software, the internet and technological tools for the integration of technology across the school curriculum.
- Explain the major theoretical perspective of educational psychology and apply the concepts and methods of psychology to teaching, learning and schooling.
- Explain the variety of conventional and informal appraisal techniques for evaluation of the learners' progression and performance, and provide modifications within the instructing and learning strategies.
- Explain the historical, legal and philosophical foundations, settings, problems, complexities, and issues related to contemporary secondary education.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (34 - 35 Credits):

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
MATHEMATICS: MATH 120, 123 or above	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102	4-6	_____
SEE A COUNSELOR TO SELECT COURSES APPROPRIATE FOR THE DISTRIBUTIONS TOWARDS YOUR CAREER PATH		
FOR A SOCIAL SCIENCE TEACHING FIELD:		
ANALYTICAL THINKING: PHIL 102	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101, HIST 217	6	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM, ENV, GEOG, GEOL, PHYS	7	_____

	CR	SEMESTER
EDU 202 Introduction to Secondary Education	3	_____
EDU 210 Nevada School Law	2	_____
EDU 214 Preparing Teachers to Use Technology	3	_____
EDU 220 Principles of Educational Psychology	4	_____
EDU 280 Valuing Cultural Diversity	3	_____
EDU 299 Education Portfolio	1	_____
ELECTIVES: (12 Transferable Credits)	12	_____

SEE A COUNSELOR TO SELECT COURSES

SECEDSO-AA

	CR	SEMESTER
FOR A LIFE AND PHYSICAL SCIENCE/ ANALYTICAL THINKING FIELD:		
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101, HIST 217	6	_____
SOCIAL SCIENCES: (Select one course from three different disciplines): ANTH (except 102), CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____

SECEDSC-AA

	CR	SEMESTER
FOR A HUMANITIES / FINE ARTS TEACHING FIELD:		
ANALYTICAL THINKING: PHIL 102	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM, ENV, GEOG, GEOL, PHYS	7	_____
SOCIAL SCIENCES: (Select one course from three different disciplines): ANTH (except 102), CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____

SECEDHU-AA

62
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF ARTS

ASSOCIATE OF ARTS DEGREE (AA)

The Associate of Arts Degree with an Emphasis in Sociology will prepare students to apply to an undergraduate program in sociology. In addition, students who plan to pursue a career will have basic skills in critical thinking, writing, and oral communication.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an ability to express the contribution of sociology to understanding social reality at both the micro and macro level of analysis.
- Demonstrate an ability to apply the major theoretical orientations in sociology — functionalism, conflict, and symbolic interactionism — to the analysis of social structure and human behavior.
- Demonstrate knowledge of social science research methods, data interpretation, and various ethical issues related to the research process.
- Demonstrate an ability to define and illustrate the following sociological concepts: culture, social structure, social inequality, and cultural diversity.
- Apply at least three sociological tools/concepts/principles towards improvement of life for themselves and/or others.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above, PHIL	6	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (25 Credits):

	CR	SEMESTER
SOCIAL SCIENCES: (Six credits must be from two different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, WMST 113	6	_____
SOC 101 Principles of Sociology	3	_____
SOC 102 Contemporary Social Issues	3	_____
SOC 240 Social Science Research Methods	3	_____
SOC 275 Introduction to Marriage and the Family	3	_____
SOC 299 Capstone Course in Sociology	1	_____
Plus 3 credits from the following:		
SOC 205 Ethnic Groups in Contemporary Societies	3	_____
SOC 210 Introduction to Statistical Methods	4	_____
SOC 225 Media and Society	3	_____
SOC 261 Introduction to Social Psychology	3	_____
SOC 270 Introduction to Deviant Behavior	3	_____
SOC 276 Aging in Modern Society	3	_____
SOC 298 Selected Topics in Sociology	3	_____
Plus 3 credits from the following:		
COM 102 Introduction to Interpersonal Communication	3	_____
HIST 107 Women in American History	3	_____
HIST 280 History of American Immigration	3	_____
IS 101 Introduction to Information Systems	3	_____
MGT 201 Principles of Management	3	_____
PHIL 207 Social and Political Philosophy	3	_____

SOC-AA **60** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF ARTS DEGREE (AA)

This degree is designed to provide for the first two years of college preparation for students preparing to become special education teachers and/or who plan to become a paraprofessional (Instructional Aid).

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Recognize the dimensions of multicultural education, and demonstrate knowledge of the appropriate pedagogical practices for teaching diverse students.
- Demonstrate use of computers, programs and software, the internet and technological tools for the integration of technology across the school curriculum.
- Explain the major theoretical perspectives of educational psychology and apply the concepts and methods of psychology to teaching, learning and schooling.
- Explain the variety of conventional and informal appraisal techniques within the instructing and learning strategies.
- Explain the historical, legal, and philosophical foundations, setting, problems, complexities, and issues related to contemporary special education.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
ENGLISH: ENG 100, or 101, or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101, HIST 217	6	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 123 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM, ENV, GEOL, PHYS	7	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102	4-6	_____

	CR	SEMESTER
EDU 203 Introduction to Special Education	3	_____
EDU 210 Nevada School Law	2	_____
EDU 214 Preparing Teachers to Use Technology	3	_____
EDU 220 Principles of Educational Psychology	4	_____
EDU 280 Valuing Cultural Diversity	3	_____
EDU 299 Education Portfolio	1	_____
ELECTIVES: (12 Transferable Credits)	12	_____

SEE A COUNSELOR TO SELECT COURSES

ASSOCIATE OF ARTS

ECESPEC-AA **63** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

The Associate of Arts Degree in Theatre Studies is designed for students who wish to pursue theatre careers in acting and theatre education. Courses for study include: communication, management, acting, voice, movement, criticism, research, construction techniques for theatre, electronic technology, lighting, sound and performance practical application.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Expand their vocabulary – in particular their knowledge of the terminology of the theater – through reading and research.
- Expand their knowledge and ability to communicate the social and historical relevance of the central themes and fundamental philosophies of theatrical literature from classical to contemporary.
- Be able to effectively discuss the similarities and differences of theater’s various genres.
- Improve their ability to think critically and write effectively through script analysis and discussion.
- Be effectively prepared for continued study and the completion of a four-year degree in Theater.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENG, GEOG 103, 104, 117, GEOL, PHYS	7	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (26 Credits):

	CR	SEMESTER
DAN 132 Jazz Dance (Beginning)	1	_____
DAN 135 Beginning Modern Dance	1	_____
DAN 138 Beginning Ballet	1	_____
THTR 102 Introduction to Stage Voice	3	_____
THTR 105 Introduction to Acting I	3	_____
THTR 199 Play Structure and Analysis	3	_____
THTR 204 Theatre Technology I	3	_____
THTR 205 Introduction to Acting II	3	_____
THTR 209 Theatre Practicum	5	_____
THTR 214 Theatre Technology II	3	_____

ASSOCIATE OF ARTS

THTR-AA **61** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF ARTS DEGREE (AA)

Gender shapes human consciousness and determines the social, economic, political, and cultural organization of human society throughout history. Students who enter into women's studies will thus be exposed to the historical and contemporary issues of gender. We are committed to providing a setting for students to develop critical thinking and writing skills, the ability to analyze material, the use of abstract thinking, and oral presentations. These are skills that will serve the students well in their personal professional and social lives.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Demonstrate knowledge of the contributions that women have made throughout history in all aspects of life, sources of their omission from traditional approaches to scholarship and traditional centers of power, and contemporary issues concerning gender and sexual orientation in culture and society.
- Demonstrate knowledge of feminist theories, multidisciplinary perspectives, feminist research methodologies and ethics, global and local activism, and structural and cultural analyses, especially the intersectionality of gender, race, and class.
- Demonstrate the ability to think abstractly, read critically, analyze situations, organize material, write well, and conduct oral presentations, all of which are useful skills that employers welcome.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 231, 232	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 120, 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines) ANTH, CRJ 104, ECON, PSC, PSY, SOC	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
FINE ARTS: ART, DAN, Music, THTR	6	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above	6	_____
WMST 101 Introduction to Women's Studies	3	_____
WMST 113 Gender, Race, and Class	3	_____
Plus 9 credits from the following:		
WMST 247 Philosophy and Women	3	_____
WMST 250 Introduction to Feminist Theory	3	_____
WMST 255 The American Women's Movement	3	_____
WMST 275 Introduction to Marriage and Family	3	_____
WMST 285 History of Witchcraft	3	_____
WMST 286 Goddess Traditions	3	_____
WMST 295 Special Topics	3	_____

ASSOCIATE OF ARTS

WMST-AA **62** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



The Associate of Business (AB) degree provides the equivalent of the first two years of a Bachelor’s degree in business related subject areas. Students who pursue this degree are primarily interested in transferring to NSC, UNLV, UNR or another baccalaureate level institution. A secondary objective may be employment upon completion of the AB.

The Associate of Business program is accredited by the Accreditation Council of Business Schools and Programs (ACBSP), located at 11520 West 119th Street, Overland Park, KS 66213, (913) 339-9356, (www.acbsp.org).

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge and skills required for employment in business related careers.
- Demonstrate an understanding of business operations.
- Demonstrate understanding of the theory and practice of business.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (32 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101	3	_____
ANALYTICAL THINKING: PHIL 102	3	_____
MATHEMATICS: MATH 124 or above	3	_____
LIFE AND PHYSICAL SCIENCES: (Two courses from the following, one must include a lab): AST, BIOL, CHEM 105 or above, ENV, GEOG 103, 104, 117, GEOL, PHYS	7	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (30 Credits):

	CR	SEMESTER
ACC 201 Financial Accounting	3	_____
ACC 202 Managerial Accounting	3	_____
BUS 101 Introduction to Business	3	_____
COM 102 Introduction to Interpersonal Communication	3	_____
ECON 102 Principles of Microeconomics	3	_____
ECON 103 Principles of Macroeconomics	3	_____
ECON 261 Principles of Statistics I	3	_____
IS 101 Introduction to Information Systems	3	_____
MATH 132 Finite Mathematics	3	_____
MGT 201 Principles of Management	3	_____

ASSOCIATE OF BUSINESS

AB **62** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

The Associate of Science Degree is a general transfer program for students who are planning to transfer to UNLV, UNR, NSC, GBC or another baccalaureate-level institution. A secondary objective may be employment upon completion of the AS.

STUDENT LEARNING OUTCOMES:

Student Learning Outcomes depend upon the students Special Program Requirements and the outcomes will be done through the Science Department on an individual basis.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (34 Credits):

SPECIAL PROGRAM REQUIREMENTS (26 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above, PHIL	6	_____
MATHEMATICS: (For Sciences) MATH 181 (For Health Sciences) MATH 120, 124 or above	3-4	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
SCIENCE: (Thirteen credits from the following, one must include a lab): AST, BIOL, CHEM, ENV, GEOG 103, 104, 117, GEOL, PHYS	13	_____
PLUS 13 CREDITS See a Counselor to select 13 Credits:	13	_____

SEE A COUNSELOR TO SELECT COURSES

Counselor Signature	Date
Student Signature	Date

ASSOCIATE
OF SCIENCE

60
AS Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF SCIENCE DEGREE (AS)

The Associate of Science Degree is a general transfer program for students who are planning to transfer to UNLV, UNR, NSC, GBC or another baccalaureate-level institution. A secondary objective may be employment upon completion of the AS.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge of the diversity and similarity of organizational levels ranging from molecules to the community.
- Demonstrate knowledge of scientific methods and the relationships among theory, experiment, analysis of data and general knowledge.
- Articulate, in verbal and written form, knowledge of biology, biological methods, and biological issues in context.
- Demonstrate knowledge of basic laboratory safety procedures and experimentation skills.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (32 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102	6-8	_____
LITERATURE: ENG 231, 232	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above, PHIL	6	_____
MATHEMATICS: MATH 181	4	_____
SOCIAL SCIENCES: (Six credits must be from two different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	6	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
BIOL 196 Principles of Modern Biology I	4	_____
BIOL 197 Principles of Modern Biology II	4	_____
CHEM 121 General Chemistry I	4	_____
CHEM 122 General Chemistry II	4	_____
PHYS 151 General Physics I	4	_____
PHYS 152 General Physics II	4	_____
Plus 4-6 credits from the following:		
BIOL 101 or higher*	4-6	_____

*For students transferring to UNLV:
BIOL 251H General Microbiology - Honors is highly recommended

ASSOCIATE OF SCIENCE

BIOL-AS **60** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF SCIENCE DEGREE (AS)

The Associate of Science Degree is a general transfer program for students who are planning to transfer to UNLV, UNR, NSC, GBC or another baccalaureate-level institution. A secondary objective may be employment upon completion of the AS.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate a knowledge of Inorganic Chemistry: Stoichiometry, Nomenclature, Acids and Bases, Gas Laws, Equilibrium, Kinetics, Thermochemistry, Electrical Chemistry and Nuclear Chemistry.
- Demonstrate a knowledge of Organic Chemistry: Stoichiometry, Nomenclature, Acids and Bases, Gas Laws, Equilibrium, Kinetics, Organic Synthesis and Mechanisms.
- Demonstrate a knowledge of Scientific Methods and the relationship of theory, experiment, data analysis and general knowledge.
- Demonstrate the ability to articulate chemical knowledge in verbal, written, and computational form.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST International Languages 111 or above, PHIL	6	_____
MATHEMATICS: MATH 181	4	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
CHEM 121 General Chemistry I	4	_____
CHEM 122 General Chemistry II	4	_____
CHEM 241 Organic Chemistry I	4	_____
CHEM 242 Organic Chemistry II	4	_____
MATH 182 Calculus II	4	_____

Continued in next column.

Continued from previous column.

	CR	SEMESTER
FOR BIOCHEMISTRY:		
BIOL 196 Principles of Modern Biology I	4	_____
BIOL 197 Principles of Modern Biology II	4	_____
FOR CHEMISTRY BA:		
PHYS 151 General Physics I	4	_____
PHYS 152 General Physics II	4	_____
FOR CHEMISTRY BS:		
PHYS 180 Physics for Scientists and Engineers I	3	_____
PHYS 180L Physics for Scientists and Engineers Lab I	1	_____
PHYS 181 Physics for Scientists and Engineers II	3	_____
PHYS 181L Physics for Scientists and Engineers Lab II	1	_____
PHYS 182 Physics for Scientists and Engineers III	3	_____
PHYS 182L Physics for Scientists and Engineers III	1	_____

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF SCIENCE DEGREE (AS)

The Dental Hygienist is the licensed prevention specialist in the dental health team, providing health education, administering local anesthesia, removing deposits and stains from teeth, exposing x-rays, and applying topical fluoride. The curriculum is demanding, requiring a high degree of individual motivation, stamina, and manual dexterity. This program of classroom and clinical instruction is accredited by the Commission on Dental Accreditation and has been granted the accreditation status of "approval without reporting requirements." The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611. Graduates will be eligible to take the written national Board and clinical State or Regional Boards in order to become licensed.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate treatments that include preventive and therapeutic procedures to promote and maintain oral health and assist the patient in achieving oral health goals.
- Demonstrate the ability to acquire and synthesize information in a critical, scientific, and effective manner.
- Demonstrate the ability to initiate and assume responsibility for health promotion and disease prevention activities for diverse populations.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (37 Credits):

Continued from previous column.

	CR	SEMESTER		CR	SEMESTER	
ENGLISH: ENG 100 or 101 or 113 and 102 or 114,	6-8	_____	DH 102	Oral Biology	3	_____
HUMANITIES: COM 101, 102	3	_____	DH 104	Dental Hygiene I	3	_____
LITERATURE: ENG 223 or above	3	_____	DH 105	Introduction to Clinical Practice	2	_____
MATHEMATICS: MATH 127, 128	3-5	_____	DH 107	Legal and Ethical Implications in Dental Hygiene	2	_____
LIFE AND PHYSICAL SCIENCES: BIOL 223, 224, CHEM 121	12	_____	DH 110	Concepts of Oral Health	2	_____
SOCIAL SCIENCES: SOC 101, PSY 101	6	_____	DH 112	Oral Radiology	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	DH 115	Clinical Practice I	3	_____
THIS PROGRAM IS INTENDED FOR TRANSFER ONLY TO THE CSN BS IN DENTAL HYGIENE OR TO BE A STAND ALONE DEGREE.			DH 117	Periodontics I	2	_____
			DH 119	General and Oral Pathology for Dental Hygienists	2	_____
			DH 122	Nutritional Aspects in Dentistry	2	_____
			DH 202	Pharmacology	2	_____
			DH 203	Special Patients	2	_____
			DH 208	Community Dental Health I	2	_____
			DH 209	Pain and Anxiety Control	3	_____
			DH 210	Clinical Dental Hygiene II	4	_____
			DH 211	Dental Materials and Techniques for Dental Hygienists	2	_____
			DH 212	Periodontic Principles II	2	_____
			DH 216	Principles of Dental Practice	1	_____
			DH 217	Periodontics III	1	_____
			DH 219	Community Dental Health Field Experience	1	_____
			DH 220	Clinical Dental Hygiene III	4	_____

SPECIAL PROGRAM REQUIREMENTS (51 Credits):

	CR	SEMESTER
CLS 261 Clinical Microbiology for Dental Hygienists	2	_____
CLS 262 Applied Clinical Microbiology for Dental Hygienists	1	_____

Continued in next column.

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

DH-AS **88** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF SCIENCE

ASSOCIATE OF SCIENCE DEGREE (AS)

The Associate of Science Degree is a general transfer program for students who are planning to transfer to UNLV, UNR, NSC, GBC or another baccalaureate-level institution. A secondary objective may be employment upon completion of the AS.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Describe and apply the Scientific Method.
- Analyze and interpret astronomy articles from popular publications.
- Describe how the universe works through the application of fundamental physical laws.
- Describe modern theories about the origin and evolution of the solar system or universe.
- Apply mathematical principles to an understanding of the nature of the physical universe.

Courses with "H" suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (36 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above, PHIL	6	_____
MATHEMATICS: MATH 126 and MATH 127 or MATH 128	5-6	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (26 Credits):

	CR	SEMESTER
AST 103 Introductory Astronomy: The Solar System	3	_____
or		
AST 104 Introductory Astronomy: Stars and Galaxies		
AST 105 Introductory Astronomy Laboratory	1	_____
CHEM 121 General Chemistry I	4	_____
ENV 101 Introduction to Environmental Science	3	_____
GEOG 103 Physical Geography	3	_____
GEOLOG 101 Geology: Exploring Planet Earth	4	_____
GEOLOG 102 Earth and Life Through Time	4	_____
PHYS 151 General Physics I	4	_____

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF SCIENCE DEGREE (AS)

The Associate of Science Degree is a general transfer program for students who are planning to transfer to UNLV, UNR, NSC, GBC or another baccalaureate-level institution. A secondary objective may be employment upon completion of the AS.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Analyze information about environmental systems, distinguish between hazardous and non-hazardous wastes, explain and describe Principles of Ecology and Evolution.
- Apply the Scientific Method to problems and solve the problems using critical thinking techniques.
- Utilize properties of chemicals and chemical reactions and the Laws of Thermodynamics.
- Classify processes of biological, chemical, physical and geological nomenclature.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, PHIL	6	_____
MATHEMATICS: MATH 126 and MATH 127 or MATH 128 (for ENV BA) MATH 181 (for ENV BS)	4-6	_____
SOCIAL SCIENCES: ECON 102 and (Six credits from two different disciplines): ANTH, CRJ 104, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (25 Credits):

	CR	SEMESTER
BIOL 196 Principles of Modern Biology I	4	_____
ENV 101 Introduction to Environmental Science	3	_____
ENV 220 Introduction to Ecological Principles	3	_____
GEOG 103 Physical Geography	3	_____
GEOL 101 Geology: Exploring Planet Earth	4	_____
Plus 8 credits from the following:		
CHEM 121 General Chemistry I	4	_____
MATH 182 Calculus II	4	_____
PHYS 151 General Physics I	4	_____
PHYS 152 General Physics II	4	_____

ASSOCIATE OF SCIENCE

ENV-AS **60** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF SCIENCE DEGREE (AS)

The Associate of Science Degree is a general transfer program for students who are planning to transfer to UNLV, UNR, NSC, GBC or another baccalaureate-level institution. A secondary objective may be employment upon completion of the AS.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Describe and apply the Scientific Method.
- Identify common rocks and minerals with the aid of classification tables and describe general processes involved with their formation.
- Describe and apply physical and chemical properties for the development of landforms using erosion, transportation and deposition as fundamental earth processes.
- Describe and apply physical and chemical properties as related to the Modern Theory of Plate Tectonics, including structural and seismic processes.
- Read and interpret topographic and geologic maps.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

SPECIAL PROGRAM REQUIREMENTS (26 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above, PHIL	6	_____
MATHEMATICS: MATH 181	4	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
CHEM 121 General Chemistry I	4	_____
CHEM 122 General Chemistry II	4	_____
GEOL 101 Geology: Exploring Planet Earth	4	_____
GEOL 102 Earth and Life Through Time	4	_____
MATH 182 Calculus II	4	_____
and		
PHYS 151 General Physics I	4	_____
PHYS 152 General Physics II	4	_____
or		
PHYS 180 Physics for Scientists and Engineers I	3	_____
PHYS 181 Physics for Scientists and Engineers II	3	_____

ASSOCIATE
OF SCIENCE

GEOL-AS **61**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF SCIENCE DEGREE (AS)

The Associate of Science Degree with an emphasis in Mathematics offers coursework intended to prepare students to transfer to a four year institution to earn a baccalaureate degree in Mathematics, Mathematics Education or other degrees requiring strong mathematical skills. The degree will also enhance career opportunities in fields that require critical thinking.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Apply problem solving skills.
- Analyze and interpret data problems associated with employment.
- Utilize logical thinking skills to resolve issues that arise in the workplace.
- Analyze and evaluate problem solving skills.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above, or PHIL	6	_____
MATHEMATICS: MATH 181	4	_____
SOCIAL SCIENCES: (Nine credits must be from three different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (31 Credits):

	CR	SEMESTER
MATH 132 Finite Mathematics	3	_____
MATH 182 Calculus II	4	_____
MATH 251 Discrete Mathematics I	3	_____
MATH 253 Matrix Algebra	3	_____
MATH 283 Calculus III	4	_____
MATH 285 Differential Equations	3	_____
STAT 152 Introduction to Statistics	3	_____
Select 8 credits from the following:		
BIOL 189 Fundamentals of Life Science	4	_____
BIOL 196 Principles of Modern Biology I	4	_____
BIOL 197 Principles of Modern Biology II	4	_____
CHEM 121 General Chemistry I	4	_____
CHEM 122 General Chemistry II	4	_____
PHYS 180 Physics for Scientists and Engineers I	3	_____
and		
PHYS 180L Physics for Scientists and Engineers Lab I	1	_____
PHYS 181 Physics for Scientists and Engineers II	3	_____
and		
PHYS 181L Physics for Scientists and Engineers Lab II	1	_____
PHYS 182 Physics for Scientists and Engineers III	3	_____
and		
PHYS 182L Physics for Scientists and Engineers Lab III	1	_____

ASSOCIATE OF SCIENCE

MATH-AS **66**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF SCIENCE DEGREE (AS)

This degree is designed for students seeking transfer for a BS in Horticulture. It combines the expertise and resources of the Associate Degree program at CSN with the plant and horticulture courses and faculty at the universities. Individuals with a BS degree in Horticulture are in high demand for production, supervisory and management positions.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge of plant propagation techniques and the best management practices of plant propagation.
- Create plant selection criteria based upon the suitability of the ornamental plant to the environment, landscape site, and landscape use.
- Demonstrate knowledge of soils and plant nutrition as related best management practices for the propagation, installation and maintenance of cultivated plants.
- Demonstrate knowledge of the basic plant sciences including anatomy, physiology, and taxonomy.
- Demonstrate knowledge of the mathematics, English, science, and humanities required for an AS degree and admission to a baccalaureate program.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (31 Credits):

SPECIAL PROGRAM REQUIREMENTS (34 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 223 or above, HIST, International Languages 111 or above, PHIL	6	_____
MATHEMATICS: MATH 127 or above	3	_____
SOCIAL SCIENCES: ECON 102 and 3 credits from any of these disciplines: ANTH, CRJ 104, PSC, PSY, SOC, WMST 113	6	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
BIOL 196 Principles of Modern Biology I	4	_____
BIOL 202 General Botany	4	_____
CHEM 121 General Chemistry I	4	_____
CHEM 122 General Chemistry II	4	_____
LAND 257 Ornamental Plant Materials	3	_____
or LAND 258 Xeric Plant Materials		
OH 101 Introduction to Plant Propagation	3	_____
OH 105 Soils and Plant Nutrition	3	_____
Select 9 credits from the following:		
OH 104 Floriculture	3	_____
OH 111 Turfgrass Fundamentals	3	_____
or OH 112 Turfgrass Management		
OH 203 Introduction to Plant Pathology and Landscape Pests	3	_____
OH 209 Arboriculture	4	_____
OH 223 Integrated Pest Management	3	_____

ASSOCIATE OF SCIENCE

OHENV-AS **65** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF SCIENCE DEGREE (AS)

The Associate of Science Degree is a general transfer program for students who are planning to transfer to UNLV, UNR, NSC, GBC or another baccalaureate-level institution. A secondary objective may be employment upon completion of the AS.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Formulate and apply the principles and equations of rigid body equilibrium in the solution of equilibrium problems involving particles and rigid bodies.
- Develop and draw free body diagrams in the solutions of particle and rigid body equilibrium problems.
- Develop and apply “kinematic” principles in the solutions of particle and rigid body dynamic problems.
- Develop and apply “kinetic” principles in the solutions of particle and rigid body dynamic problems.
- Ability to formulate, draw and apply free body diagrams and kinetic diagrams in the solutions of particle and rigid body dynamic problems.

Courses with “H” suffixes are designated Honors level courses and can be used to fulfill equivalent general education requirements.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
ENGLISH: ENG 100 or 101 or 113 and 102 or 114	6-8	_____
LITERATURE: ENG 223 or above	3	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: COM 101 and ENG 235 or above, HIST, International Languages 111 or above, PHIL, WMST 113	6	_____
MATHEMATICS: MATH 181	4	_____
SOCIAL SCIENCES: (Nine credits must be from two different disciplines): ANTH, CRJ 104, ECON, PSC, PSY, SOC, WMST 113	9	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (26 Credits):

	CR	SEMESTER
CEE 241 Statics	3	_____
CHEM 121 General Chemistry I	4	_____
MATH 182 Calculus II	4	_____
ME 242 Dynamics	3	_____
PHYS 180 Physics for Scientists and Engineers I	3	_____
PHYS 180L Physics for Scientists and Engineers Lab I	1	_____
FOR CIVIL ENGINEERING:		
GEOL 101 Geology: Exploring Planet Earth	4	_____
PHYS 181 Physics for Scientists and Engineers II	3	_____
PHYS 181L Physics for Scientists and Engineers Lab II	1	_____
FOR MECHANICAL ENGINEERING:		
MATH 283 Calculus III	4	_____
PHYS 182 Physics for Scientists and Engineers III	3	_____
PHYS 182L Physics for Scientists and Engineers Lab III	1	_____

ASSOCIATE
OF SCIENCE

ENGINEE-AS **61** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



The Associate of General Studies degree is designed for students who, while seeking advanced learning in a broad variety of disciplines, do not wish to concentrate in any one particular field of study. The numerous elective credits in the degree provide students with an excellent opportunity to pursue learning in traditional academic disciplines or occupational programs. While some courses may transfer, the AGS is not intended as a transfer degree within the NSHE.

STUDENTS WISHING TO COMPLETE THIS DEGREE MUST CONSULT A COUNSELOR IN ORDER TO PLAN A COURSE OF STUDY.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Produce oral and written communication befitting the context and audience.
- Utilize mathematical, symbolic, logical, graphical, geometric, or statistical analysis for the interpretation and solution of problems.
- Identify and analyze a problem, generate and consider potential solutions, and defend the best solution based on evidence and reasoning.
- Synthesize information from a variety of academic disciplines.
- Examine the variations in human culture and incorporate perspectives of diversity.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101 or 113 and one of the following: BUS 107, 108, COM 101, 102, 215, ENG 102, 107, 114, 205, JOUR 102, THTR 105	6-8	_____
FINE ARTS: ART, DAN 101, Music, THTR	3	_____
HUMANITIES: AM, COM, ENG 223 or above, HIST, International Languages, PHIL, RST	3	_____
MATHEMATICS: MATH 104B or above	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 116, 117, GEOL, PHYS	3	_____
SOCIAL SCIENCES: ANTH, CRJ 104, ECON, GEOG 106, 109, PSC, PSY, SOC, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (35 Credits):

ELECTIVES (List Below):	CR	SEMESTER
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

SEE A COUNSELOR TO SELECT COURSES

Counselor Signature _____
Date

Student Signature _____
Date

AGS 60
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF GENERAL STUDIES

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associate of Applied Science Degree in Accounting provides a comprehensive background in the principles, procedures and theories of organizing and maintaining business and financial transactions.

This program is accredited by the Accreditation Council of Business Schools and Programs (ACBSP), located at 11520 West 119th Street, Overland Park, KS 66213, (913) 339-9356, (www.acbsp.org).

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge and skills required for employment in the accounting field.
- Demonstrate knowledge of the principles, procedures and theories of organizing and maintaining business and financial transactions.
- Demonstrate proficiency with the computerized accounting systems and software to process financial information.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 102, 114, 205, JOUR 102, THTR 105	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 124 or above	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
ACC 105 Taxation for Individuals	3	_____
ACC 201 Financial Accounting	3	_____
ACC 202 Managerial Accounting	3	_____
ACC 203 Intermediate Accounting I	3	_____
ACC 204 Intermediate Accounting II	3	_____
ACC 205 Cost Accounting	3	_____
ACC 220 Microcomputer Accounting Systems	3	_____
BUS 273 Business Law I	3	_____
IS 101 Introduction to Information Systems	3	_____
Plus 9 credits from the following:		
ACC 210B IRS Computerized Tax Preparation Program	3	_____
ACC 222B Accounting Using Spreadsheets	3	_____
ACC 223B Introduction to QuickBooks	3	_____
BUS 101 Introduction to Business	3	_____
BUS 109B Business Mathematics	3	_____
ECON 102 Principles of Microeconomics	3	_____
ECON 103 Principles of Macroeconomics	3	_____
ECON 261 Principles of Statistics I	3	_____
MGT 201 Principles of Management	3	_____
MKT 210 Marketing Principles	3	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ACC-AAS

61
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This program prepares students to install, maintain, service, troubleshoot and repair residential heating and cooling systems. Additionally, the program includes commercial refrigeration courses enabling students to learn how to maintain, troubleshoot and repair walk-in freezers, ice machines and other related machinery. Instruction includes classroom, laboratory and hands-on work in the field. Along with core classes, academic skills emphasizing related math, science and human relations components are stressed to help students prepare to meet challenges commonly found in the workplace.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Perform the basic tasks of a Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) technician in a residential and light commercial environment.
- Read and interpret electrical schematics; troubleshoot and diagnose mechanical and electrical problems using methods and equipment appropriate to this industry.
- Utilize currently accepted EPA rules, techniques, and regulations in the performance of HVAC/R duties; observe proper safety practices

when working with high- and low-voltage electricity, and when working with refrigerants under pressure.

- Demonstrate knowledge of mathematics, communication skills, and other core degree requirements adequate to assume supervisory or entry-level management positions in HVAC/R industry.

GENERAL EDUCATION REQUIREMENTS (22 Credits):

SPECIAL PROGRAM REQUIREMENTS (41 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115, ENG 107	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 104B, 116 or above (except MATH 122, 123)	3	_____
SCIENCE: AST 103, CHEM 105, ENV 101, MT 102, PHYS 110	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
AC 102B Introduction to HVAC Electrical Theory and Application	5	_____
AC 103B Introduction to HVAC Mechanical Theory and Application	5	_____
AC 106B Residential Gas Heating	5	_____
AC 110B Intermediate HVAC Electrical Theory and Application	5	_____
AC 111B Heat Pumps	5	_____
AC 115B Troubleshooting	5	_____
AC 200B Commercial Refrigeration I	5	_____
Plus 6 credits from the following:		
AC 114B Heat Load and Duct Design	5	_____
AC 116B Copper Fundamentals	1	_____
AC 119B Professionals in Customer Service	1.5	_____
AC 120B Air Conditioning Duct Work Fabrication	3	_____
AC 202B Commercial Refrigeration II	5	_____
AC 210B Boiler Operation and Maintenance	3	_____
AC 221B Gas Heat Pump Technology I	5	_____
CADD 100 Introduction to Computer Aided Drafting	3	_____
CONS 120B Printreading and Specifications	3	_____
IS 101 Introduction to Information Systems	3	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

AC-AAS **63** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree program builds the skills required to produce professional and quality interior architectural designs. The core curriculum is a sequence of lecture/lab courses that stress the design theory and application, color, space planning, interior materials, furniture specification, CADD, business practices and field experience.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate competency in the foundations and theory of interior design.
- Demonstrate competency in drafting, CADD and presentation skills.
- Demonstrate competency in design development skills in the selection and specification of interior furnishings, finishes, materials, textiles and decorative elements.
- Demonstrate knowledge in design process including research, programming, concept development, specifications and business practices.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101	3	_____
ENGLISH: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: ANTH 101, 201, PSY 101, 102, 207, 208, SOC 101	3	_____
MATHEMATICS: MATH 116 or above (except MATH 122, 123)	3	_____
SCIENCE: BIOL 101, CHEM 105, ENV 101, PHYS 110	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: ART 107	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (42 Credits):

	CR	SEMESTER
AAD 180 Fundamentals of Design I	3	_____
AAD 182 Fundamentals of Design II	3	_____
AAE 100 Introduction to Architecture	3	_____
ADT 100B Introduction to Drafting Theory	3	_____
ADT 201B Introduction to Building Information Modeling	3	_____
CADD 105 Intermediate Computer Aided Drafting	3	_____
CONS 120B Printreading and Specifications	3	_____
INTD 105B History of Furniture and Interiors I	3	_____
INTD 106B History of Furniture and Interiors II	3	_____
INTD 216 Textiles	3	_____
INTD 218B Methods and Materials	3	_____
INTD 255B Interior Design Studio I	3	_____
INTD 257B Interior Design Studio II	3	_____
INTD 258B Business Practices	3	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. ADTDSG-AAS

67
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree program builds the skills required to produce professional and quality residential architectural designs. The core curriculum is a sequence of lecture/lab courses that stress the theory and method of detailing, drafting and designing residential buildings. Graduates can seek employment at residential design and architectural firms. Along with special program courses, academic skills emphasizing related math, science and human relations components are stressed to prepare students to meet the challenges common in the workplace.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Comprehend and utilize design standards and skills specific to the architecture profession.
- Comprehend and utilize building codes appropriately in the design of residential buildings.
- Comprehend building systems, to include: structural, plumbing, electrical, mechanical and utilize their role in the production of architectural working drawings and construction documents.
- Organize and produce a set of architectural working drawings for a residential building.
- Comprehend and utilize design principles, to include: site context, user needs, climate conditions and other environmental conditions through assigned residential design projects.

GENERAL EDUCATION REQUIREMENTS (28 Credits):

SPECIAL PROGRAM REQUIREMENTS (44 Credits):

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____	AAD 180	Fundamentals of Design I	3 _____
ENGLISH ENG 100, 101, 107, 113	3-5	_____	AAD 182	Fundamentals of Design II	3 _____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____	AAE 100	Introduction to Architecture	3 _____
MATHEMATICS: MATH 126 and 127 or MATH 128	5-6	_____	ADT 100B	Introduction to Drafting Theory	3 _____
SCIENCE: GEOG 103, PHYS 151	7	_____	ADT 103B	Urban Planning	3 _____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: ART 101	3	_____	ADT 107B	Architectural Residential Codes	2 _____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	ADT 114B	History of the Built Environment	3 _____
			ADT 201B	Introduction to Building Information Modeling	3 _____
			ADT 205B	Architectural Environmental Control Systems	3 _____
			ADT 210B	Residential Structural Technology	3 _____
			ADT 280B	Architectural Residential Design	3 _____
			ADT 282B	Architectural Residential Design II	3 _____
			CADD 105	Intermediate Computer Aided Drafting	3 _____
			CONS 120B	Printreading and Specifications	3 _____
			SCT 105B	Sustainable Construction Materials	3 _____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. ADTRES-AAS

72
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree program, one of the largest of its kind in the west, prepares students for lucrative careers as automotive technicians, as well as related automotive occupations. Master Accredited by ASE/NATEF, instruction is provided on state-of-the-art equipment in both classrooms and labs. ASE Master Certified technicians provide all instruction, with the focus on understanding automotive systems operation and how to effectively and efficiently diagnose and service these systems. Additionally, emphasis is placed on preparing students to personally pass ASE certification exams. Integral to the program is an internship component that provides students with current industry experience. Partnerships exist with many major automobile, tool and equipment manufacturers. Along with special program courses, academic skills emphasizing related math, science, communication and human relations components are stressed to prepare students to succeed in the workforce.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate diagnostic and repair routines as related to the eight major systems of the automobile.
- Successfully pass the eight ASE certification examination.
- Demonstrate knowledge in the use of both printed and electronic repair information and service literature.
- Demonstrate use of both and PC based computerized diagnostic equipment.
- Demonstrate understanding of diagnostic and repair literature.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 116 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (50 Credits):

	CR	SEMESTER
AUTO 115B Automotive Electricity and Electronics I	4	_____
AUTO 117B Advanced Automotive Electronics	4	_____
AUTO 136B Engine Repair	5	_____
AUTO 145B Automotive Brakes	4	_____
AUTO 155B Steering and Suspension	4	_____
AUTO 165B Automotive Heating and Air Conditioning	4	_____
AUTO 205B Manual Drive Train and Axles	4	_____
AUTO 216B Automatic Transmissions	5	_____
AUTO 225B Engine Performance I/ Fuel and Ignition	4	_____
AUTO 227B Engine Performance II/ Emission Control	4	_____
AUTO 235B Engine Performance III/ Diagnostics	4	_____
AUTO 245B Power Train Removal and Replacement	4	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

AUTO-AAS

75
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Aviation Technology degree program is designed specifically for students who have a desire to work in aviation-related careers. Thorough coverage of the Federal Aviation Regulations will apply to all aspects of study. The degree will provide the application of concepts pertaining to airport and aircraft operations for domestic and international flights. Students may select from Track options that place an emphasis on either Professional Pilot or Flight Operations areas of study. The degree will prepare students to enter the employment market as Professional Pilots, Flight Crew Members, OR, Flight Operations Specialist, Crew Scheduler, Flight Follower, Customer Service Representative, Aircraft Servicing Personnel. Students must meet all eligibility requirements determined by the Federal Aviation Administration and the Transportation Security Administration.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

Professional Pilot:

- Pass the Federal Aviation Administration Private Pilot Knowledge and Practical Exams for Airplane Single Engine Land.
- Pass the Federal Aviation Administration Instrument Rating Knowledge and Practical Flight Exams for Airplane Single Engine Land.
- Pass the Federal Aviation Administration Commercial Pilot Knowledge and Practical Flight Exams for Airplane Single Engine Land.

Flight Operations:

- Demonstrate working knowledge of the Federal Aviation Regulations pertaining to airport operating procedures, crew rest requirements, general operating flight rules, scheduled and non-scheduled flight operations.
- Demonstrate a working knowledge of the principles of flight pertaining to normal and transport category aircraft.
- Demonstrate understanding of management concepts particular to airport and airline operating environments.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 116	3	_____
SCIENCE: EGG 131, 132	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
AV 100B Aviation Orientation	3	_____
AV 110B Private Pilot Ground School	4	_____
AV 112B Human Factors and Safety	3	_____
AV 115B Aviation Meteorology	3	_____
AV 220B Air Transportation	3	_____
FOR PROFESSIONAL PILOT:		
AV 111B Private Pilot Certification Lab	3	_____
AV 210B Instrument Ground School	4	_____
AV 212B Instrument Certification Lab	3	_____
AV 214B Aerodynamics	3	_____
AV 240B Advanced Aircraft Systems	3	_____
AV 250B Commercial Pilot Ground School	4	_____
AV 251B Commercial Pilot Certification Lab	3	_____
FOR FLIGHT OPERATIONS:		
ACC 201 Financial Accounting	3	_____
AV 105B Airport Operations	3	_____
AV 107B Airline Operations	3	_____
AV 114B Advanced Navigation	3	_____
AV 215B Crew Resource Management	3	_____
IS 101 Management Information Systems	3	_____
MGT 201 Principles of Management	3	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

AV-AAS

64
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associate of Applied Science Degree in Business Management provides the individual with the understanding and knowledge necessary for managing people and functions. Managerial and motivational theories, global management, decision making and organizational designs are stressed.

This program is accredited by the Accreditation Council of Business Schools and Programs (ACBSP), located at 11520 West 119th Street, Overland Park, KS 66213, (913) 339-9356, (www.acbsp.org).

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Explain current general business and management theories.
- Apply general business and management theories to real-life professional situations.
- Demonstrate proficiency for entry-level business or management positions within profit and nonprofit organizations.
- Demonstrate leadership using the latest techniques in coaching and participatory styles of management.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101, 102, 215, ENG 102, 114, 205, JOUR 102, THTR 105	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (39 Credits):

	CR	SEMESTER
ACC 201 Financial Accounting	3	_____
BUS 101 Introduction to Business	3	_____
BUS 108 Business Letters and Reports	3	_____
BUS 272 Legal Environment	3	_____
or BUS 273 Business Law I		
ECON 103 Principles of Macroeconomics	3	_____
IS 101 Introduction to Information Systems	3	_____
MGT 103 Introduction to Small Business Management	3	_____
MGT 201 Principles of Management	3	_____
MGT 212 Leadership and Human Relations	3	_____
or MGT 235 Organizational Behavior		
MGT 283 Introduction to Human Resources Management	3	_____
MGT 284B Introduction to International Management	3	_____
MKT 210 Marketing Principles	3	_____
or MKT 261 Introduction to Public Relations		
Plus 3 credits from the following:		
BUS 106B Business English	3	_____
BUS 107 Business Speech Communication	3	_____
BUS 271 Introduction to Employment Law	3	_____
BUS 274 Business Law II	3	_____
MGT 120B Introduction to Public Sector Administration	3	_____
MGT 291B Women in Management	3	_____
MGT 294B Seminar in Management	3	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. BUSMGT-AAS

64
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree is designed to provide students with the understanding and knowledge necessary for managing people and functions. Students will learn key concepts and techniques of personnel supervision in private and public sector administration through various interactive and team-building activities.

This program is accredited by the Accreditation Council of Business Schools and Programs (ACBSP), located at 11520 West 119th Street, Overland Park, KS 66213, (913) 339-9356, (www.acbsp.org).

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Explain current general business and human resources management theories.
- Apply general business and human resources management theories to real-life professional situations.
- Demonstrate proficiency for entry-level human resource management positions with profit and nonprofit organizations.
- Demonstrate the latest techniques in recruitment, selection, training, and other human resource practices.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101, 102, 215, ENG 102, 114, 205, JOUR 102, THTR 105	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
BUS 101 Introduction to Business	3	_____
BUS 108 Business Letters and Reports	3	_____
BUS 272 Legal Environment or BUS 273 Business Law I	3	_____
IS 101 Introduction to Information Systems	3	_____
MGT 103 Introduction to Small Business Management	3	_____
MGT 201 Principles of Management	3	_____
MGT 212 Leadership and Human Relations	3	_____
MGT 235 Organizational Behavior	3	_____
MGT 283 Introduction to Human Resources Management	3	_____
MGT 286B Personnel Interviewing	3	_____
MKT 210 Marketing Principles	3	_____
Plus 3 credits from the following:		
ACC 201 Financial Accounting	3	_____
BUS 106B Business English	3	_____
BUS 107 Business Speech Communication	3	_____
BUS 271 Introduction to Employment Law	3	_____
BUS 274 Business Law II	3	_____
ECON 103 Principles of Macroeconomics	3	_____
MGT 120B Introduction to Public Sector Administration	3	_____
MGT 291B Women in Management	3	_____
MGT 294B Seminar in Management	3	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

HSMGT-AAS

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Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This program is designed to provide students with the understanding and knowledge necessary for managing people and functions. An examination of management resources across national boundaries, the international marketplace and legal aspects of international business are emphasized. Students will learn management concepts through interactive exercises and case studies.

This program is accredited by the Accreditation Council of Business Schools and Programs (ACBSP), located at 11520 West 119th Street, Overland Park, KS 66213, (913) 339-9356, (www.acbsp.org).

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Explain current general business and global management theories and how they apply to international business settings.
- Apply general business and global management strategies to real-life professional situations.
- Demonstrate proficiency for entry-level management positions within a global or multi-national organization.
- Demonstrate the latest techniques and trends in international business and management practices.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101, 102, 215, ENG 102, 114, 205, JOUR 102, THTR 105	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

Continued from previous column.

	CR	SEMESTER
BUS 275B Fundamentals of International Business	3	_____
or		
BUS 280B Legal Aspects of International Business		
IS 101 Introduction to Information Systems	3	_____
MGT 103 Introduction to Small Business Management	3	_____
MGT 201 Principles of Management	3	_____
MGT 212 Leadership and Human Relations	3	_____
or		
MGT 235 Organizational Behavior		
MGT 283 Introduction to Human Resources Management	3	_____
MGT 284B Introduction to International Management	3	_____
MKT 210 Marketing Principles	3	_____
MKT 250 Introduction to International Marketing	3	_____

Plus 3 credits from the following:

ACC 201 Financial Accounting	3	_____
BUS 106B Business English	3	_____
BUS 107 Business Speech Communication	3	_____
BUS 271 Introduction to Employment Law	3	_____
BUS 274 Business Law II	3	_____
BUS 284B Internship in International Business	3	_____
ECON 103 Principles of Macroeconomics	3	_____
MGT 291B Women in Management	3	_____
MGT 294B Seminar in Management	3	_____

SPECIAL PROGRAM REQUIREMENTS (39 Credits):

	CR	SEMESTER
BUS 101 Introduction to Business	3	_____
BUS 108 Business Letters and Reports	3	_____
BUS 272 Legal Environment	3	_____
or		
BUS 273 Business Law I		

Continued in next column.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

INTLBUSAAS

64
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree is designed to provide students with the understanding and knowledge necessary to manage people and functions. Students will learn the techniques necessary to start and operate successful small businesses through various interactive course techniques and formats. Financial and administrative controls, marketing and legal requirements are emphasized in the program.

This program is accredited by the Accreditation Council of Business Schools and Programs (ACBSP), located at 11520 West 119th Street, Overland Park, KS 66213, (913) 339-9356, (www.acbsp.org).

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Explain current general business and management theories and how they apply to small business settings.
- Apply general business and management strategies to real-life in small business settings.
- Explain the purpose of a business proposal used to initiate start-up efforts for a prospective small business.
- Demonstrate the latest techniques and trends in small business management practices.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101, 102, 215, ENG 102, 114, 205, JOUR 102, THTR 105	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (39 Credits):

	CR	SEMESTER
BUS 101 Introduction to Business	3	_____
BUS 102B Entrepreneurship and Innovation	3	_____
BUS 108 Business Letters and Reports	3	_____
BUS 272 Legal Environment	3	_____
or		
BUS 273 Business Law I		
IS 101 Introduction to Information Systems	3	_____
MGT 103 Introduction to Small Business Management	3	_____
MGT 201 Principles of Management	3	_____
MGT 212 Leadership and Human Relations	3	_____
or		
MGT 235 Organizational Behavior		
MGT 283 Introduction to Human Resources Management	3	_____
MKT 210 Marketing Principles	3	_____
Plus 3 credits from the following:		
ACC 201 Financial Accounting	3	_____
BUS 106B Business English	3	_____
BUS 107 Business Speech Communication	3	_____
BUS 271 Introduction to Employment Law	3	_____
BUS 274 Business Law II	3	_____
ECON 103 Principles of Macroeconomics	3	_____
MGT 120B Introduction to Public Sector Administration	3	_____
MGT 291B Women in Management	3	_____
MGT 294B Seminar in Management	3	_____
Plus 6 credits from the following:		
BUS	6	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

BUSML-AAS

64
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

Cardiorespiratory Sciences (CRS) is a multi-disciplined, multi-credentialed program preparing students in care, management, and life-support of individuals having deficiencies and abnormalities associated with the cardiopulmonary system. A successful graduate of this program will obtain credentials from a national laboratory credentialing agency, the American Heart Association, Cardiovascular Credentialing International, and the National Board for Respiratory Care.

The Cardiorespiratory Sciences Program provides a quality academic experience preparing Respiratory Care Practitioners and Cardiac Technicians. The graduate will possess the attitudes, skills, and knowledge required to think critically, communicate effectively, and provide self-direction while administering care.

The program emphasizes developing competencies that integrate protocols, Clinical Practice Guidelines, and critical pathways into an efficient cardiorespiratory care plan.

A limited entry program, students must attend a health programs orientation and meet with a health programs advisor for additional counseling prior to acceptance in the program. The Cardiorespiratory Sciences Program is accredited by The Commission on Accreditation for Respiratory Care (CoARC). The Commission on Accreditation for Respiratory Care, 1248 Harwood Road, Bedford, TX 76021-4244, (817) 283-2835 www.coarc.com

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Analyze data culminating in successful completion of the National Board for Respiratory Care’s (NBRC) Certified Respiratory Therapist Self-Assessment Examination (SAE).
- Synthesize data culminating in successful completion of the NBRC’s Written Registered Respiratory Therapist SAE.
- Appraise data culminating in successful completion of the NBRC’s Clinical Simulation Examination SAE.
- Analyze data culminating in successful completion of the Certified Cardiographic Examination, administered by Cardiovascular Credentialing International, or their successor agency.

GENERAL EDUCATION REQUIREMENTS (31 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 102, 113, 114	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 124 or above	3	_____
SCIENCE: BIOL 223, 224, 251	12	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, DAN 101, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (56 Credits):

	CR	SEMESTER
CLS 151 Phlebotomy	2	_____
CRS 111 Introductory Concepts of Cardiorespiratory Sciences	3	_____
CRS 112 Introductory Concepts of Cardiorespiratory Equipment	1	_____
CRS 115 Clinical Practicum I	4	_____

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	CR	SEMESTER
CRS 121 Advanced Concepts of Cardiorespiratory Sciences	3	_____
CRS 122 Advanced Concepts of Cardiorespiratory Equipment	1	_____
CRS 123 Applied Cardiorespiratory Assessment	3	_____
CRS 124 Cardiorespiratory Pharmacology	3	_____
CRS 125 Clinical Practicum II	4	_____
CRS 135 Clinical Practicum III	3	_____
CRS 211 Neonatal and Pediatric Cardiorespiratory Care	3	_____
CRS 212 Neonatal and Pediatric Cardiorespiratory Equipment	1	_____
CRS 213 Cardiorespiratory Diagnostics	3	_____
CRS 214 Cardiorespiratory Diagnostics Equipment	1	_____
CRS 215 Clinical Practicum IV	4	_____
CRS 221 Continuity of Cardiorespiratory Care	3	_____
CRS 222 Seminar for Success	1	_____
CRS 225 Clinical Practicum V	4	_____
EGG 131 Technical Physics I	4	_____
or		
PHYS 110 Conceptual Physics or above		
HIT 117B Medical Terminology I	1	_____
HIT 165B Pathophysiology	4	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

CARD-AAS

87
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This program is designed to provide students with the opportunity to begin a career in the casino and gaming industry. Students will obtain a strong basic background in casino games, marketing, gaming regulations, gaming law and supervision.

This program is accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA), P.O. Box 400, Oxford, MD 21654, telephone: (410) 226-5527, e-mails: aoc@shore.intercom.net or acpha@atlanticbb.net.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Demonstrate proficiency in the operation of a Casino.
- Demonstrate proficiency in dealing Table Games.
- Demonstrate proficiency in the operation of the Slots Department.
- Demonstrate proficiency in the Casino Cage.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 102, 114, 205, JOUR 102, THTR 105	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 115B, 124	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (40 Credits):

	CR	SEMESTER
ACC 201 Financial Accounting	3	_____
GAM 106 Supervision of Casino Games	3	_____
GAM 108 Slots Management I	3	_____
GAM 131 Race and Sports Book Management	3	_____
GAM 204 Introduction to Casino Marketing	3	_____
GAM 206 Casino Surveillance	3	_____
GAM 210 Casino Customer Service	3	_____
GAM 225 Introduction to Gaming Management	3	_____
GAM 235 Gaming Laws and Regulations	3	_____
GAM 295 Work Experience in Casino/Gaming	1	_____
HMD 259 Human Resources Management in the Hospitality Industry	3	_____
Plus 9 credits from the following:		
GAM 103 Casino Cage Operations	3	_____
GAM 109 Slots Management II	3	_____
GAM 119 Blackjack Dealing	3	_____
GAM 121 Craps Dealing	3	_____
GAM 122 Roulette Dealing	3	_____
GAM 123 Baccarat Dealing	3	_____
GAM 124 Poker Dealing	3	_____
GAM 126 Pai Gow Tiles Dealing	3	_____
GAM 207 Table Games Management	3	_____
GAM 208 Casino Business Strategy	3	_____
GAM 222 European Roulette Dealing	3	_____

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associate of Applied Science Degree in Computer Office Technology provides individuals with the knowledge and skills necessary for office professionals. Courses include instruction in the latest computer office technology skills (using keyboard, voice, and handwriting computer input); software (including word processing, spreadsheets, databases and presentations); general and advanced office skills; and communication skills.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate proficiency in Computer Input using a keyboard by touch, voice recognition software, or handwriting recognition software at a minimum of 30 wpm with 95% accuracy.
- Demonstrate proficiency in computer Input of various office-related documents (using methods listed above) in a word processing program with 95% accuracy.
- Demonstrate beginning and intermediate functions of a word processing program with 95% accuracy.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, GEOG 106 or above, HIST, International languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (35 Credits):

	CR	SEMESTER
ACC 201 Financial Accounting	3	_____
BUS 106B Business English	3	_____
BUS 108 Business Letters and Reports	3	_____
COT 102 Computer Keyboarding II	3	_____
COT 127B Microsoft Office for Offices	3	_____
COT 129B Records Management	3	_____
COT 200 Word Processing I	3	_____
COT 201B Word Processing II	3	_____
COT 213B Business Professionalism	3	_____
MGT 201 Principles of Management	3	_____
Plus 5 credits from the following:		
BUS 101 Introduction to Business	3	_____
CIT 206B MS Outlook Certification Preparation	2	_____
COT 103B Keyboard Review and Speed	1	_____
COT 108 Speedwriting Shorthand I	3	_____
COT 109B Speedwriting Shorthand II	3	_____
COT 132B Outlook for Offices	1	_____
COT 205B Pads and Tabs – Office on the Go	3	_____
COT 206B Speech Recognition for Offices	3	_____
COT 208B Tablet Computer, Voice and Handwriting	1	_____
COT 209B Tablet Computer, Voice and Handwriting II	3	_____
MGT 100B Practical Human Relations for Business	3	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

COT-AAS

60
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associate of Applied Science in Electronic Engineering Technology – Electronic Crime Investigation is a program of study that provides students with the skills necessary to investigate computer crime. It includes instruction in PC troubleshooting and repair Microsoft operating systems and Cisco networking as well as specialized training in computer forensics, network forensic, and digital crime investigators.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the process of acquiring and handling digital evidence including: the details of computer hard drive configuration and methods of hiding data; encryption methods and implementation methods for deciphering encrypted data; analysis of network traffic and the ability to differentiate between normal and malicious activity; the use of hardware and software tools used in computer and network forensics.
- Demonstrate how to set up investigator’s office and laboratory.
- Demonstrate how digital evidence is used in courtroom as well as the requirements for becoming an expert witness.

GENERAL EDUCATION REQUIREMENTS (23 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115	3	_____
ENGLISH: ENG 107	3	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205 HIST 105,106, 150, 151, 210, 247, 260 HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 116	3	_____
SCIENCE: EGG 131	4	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
CF 117B Computer Forensics	3	_____
CF 118B Internet Forensics	3	_____
CF 119B Introduction to Electronic Crime for Law Enforcement	3	_____
CF 124B Digital Crime Investigation	3	_____
CF 217B Advanced Computer Forensics	3	_____

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	CR	SEMESTER
CIT 110 A+ Hardware	3	_____
CIT 211 MCITP/MCTS Windows Workstation OS	3	_____
CIT 212 MCITP/MCTS Windows Server OS	3	_____
CSCO 120 CCNA Internetworking Fundamentals	4	_____
IS 100B or IS 101 Core Computing Competency Introduction to Information Systems	0-3	_____

Plus 6-9 credits from the following:

CIT 118B Network Security Management	3	_____
CIT 173 Introduction to Linux	3	_____
CIT 174 Linux System Administration	3	_____
CIT 213 MCITP/MCTS Network Infrastructure	3	_____
CIT 217 Security+	3	_____
CIT 290 Internship in CIT I	1-3	_____
CIT 291 Internship in CIT II	1-3	_____
CRJ 104 Introduction to Administration of Justice	3	_____
CRJ 164 Introduction to Criminal Investigation	3	_____
CSCO 121 CCNA Routing Protocols and Concepts	4	_____
CSCO 220 CCNA LAN Switching and Wireless Fundamentals	4	_____
CSCO 221 CCNA WAN Fundamentals	4	_____
CSCO 230B Fundamentals of Network Security	4	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

CITCRIMAAS

60
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree provides students with the necessary education and skills required by today’s Network Security specialists. Instruction includes courses on server/client centric security issues as well as router/switch centric security issues. It provides students with a wide array of training in various functional areas related to network security. Completion of this course of study prepares students for successful completion of a number of industry certification exams; such as CompTia Security+, Cisco CCNA: Security, and others.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Demonstrate computer hardware/software knowledge and skills.
- Be able to develop basic organization security policies.
- Demonstrate use of networking tools and devices as applies to detecting and mitigating security attacks.
- Demonstrate network security management skills.
- Demonstrate basic project management skills.

GENERAL EDUCATION REQUIREMENTS (23 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115	3	_____
ENGLISH: ENG 107	3	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 116	3	_____
SCIENCE: EGG 131	4	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
CF 118B Internet Forensics	3	_____
CIT 173 Introduction to Linux	3	_____
CIT 174 Linux System Administration	3	_____
CIT 217 Security+	3	_____
CIT 263B Project Management	3	_____

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	CR	SEMESTER
CSCO 120 CCNA Internetworking Fundamentals	4	_____
CSCO 121 CCNA Routing Protocols and Concepts	4	_____
CSCO 220 CCNA LAN Switching and Wireless Fundamentals	4	_____
CSCO 221 CCNA WAN Fundamentals	4	_____
CSCO 230B Fundamentals of Network Security	4	_____
IS 100B Core Computing Competency or IS 101 Introduction to Information Systems	0-3	_____
Plus 0-2 credits from the following:		
CF 117B Computer Forensics	3	_____
CIT 110 A+ Hardware	3	_____
CIT 111 A+ Software	3	_____
ET 108B Telecommunications and the Information Age	3	_____
CIT 118B Network Security Management or above	3	_____

Any course with CSCO prefix

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

CITNESEAAS

60
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This program course of study provides students with the necessary education and skills required by today's computer networking industry. Instruction includes courses on client/server centric LAN networking, router/switch centric internetworking, as well as operation and administration of high-end web server environments. It provides students with a wide array of training in various functional areas related to computer networking. Completion of this program prepares students for successful completion of a number of industry certification exams, such as CompTia A+/N+, Cisco CCNA, Microsoft MCITP and others. Instruction takes place in a hands-on state-of-the-art lab environment. A Certificate of Completion will be issued by the CET Department for each EET Internetworking concentration completed by the student.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate computer hardware/software knowledge and skills.
- Demonstrate basic computer networking knowledge and skills.
- Client/Server concentration students demonstrate intermediate knowledge of MS LAN networking technology.
- Router/Switch concentration students demonstrate intermediate knowledge of internetworking technology.
- Linux concentration students demonstrate intermediate knowledge of Linux System Administration.

GENERAL EDUCATION REQUIREMENTS (23 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115	3	_____
ENGLISH: ENG 107	3	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 180, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC 201	3	_____
MATHEMATICS: MATH 116	3	_____
SCIENCE: EGG 131	4	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
CIT 110 A+ Hardware	3	_____
CIT 111 A+ Software	3	_____
CIT 112B Network+	3	_____
CIT 263B Project Management	3	_____
CSCO 105B Fundamentals of Voice and Data Cabling	3	_____
IS 100B Core Computing Competency or IS 101 Introduction to Information Systems	0-3	_____

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	CR	SEMESTER
FOR CLIENT/SERVER:		
CF 118B Internet Forensics	3	_____
CIT 211 MCITP/MCTS Windows Workstation OS	3	_____
CIT 212 MCITP/MCTS Windows Server OS	3	_____
CIT 213 MCITP/MCTS Network Infrastructure	3	_____
CIT 215 MCITP Active Directory	3	_____
FOR ROUTER/SWITCH:		
CSCO 120 CCNA Internetworking Fundamentals	4	_____
CSCO 121 CCNA Routing Protocols and Concepts	4	_____
CSCO 220 CCNA LAN Switching and Wireless Fundamentals	4	_____
CSCO 221 CCNA WAN Fundamentals	4	_____
FOR LINUX:		
CF 118B Internet Forensics	3	_____
CIT 173 Introduction to Linux	3	_____
CIT 174 Linux System Administration	3	_____
CIT 175B Advanced Linux System Administration	3	_____
CIT 217 Security+	3	_____
Program Electives - Choose 3-7 Credits:	3-7	_____
CIT 118B Network Security Management or above	3	_____
ET 108B Telecommunications and the Information Age	3	_____
Any course with CF, CSCO, prefix		

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. CITNETWAAS

60
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree prepares students for employment in fields related primarily to computer software. Core courses cover the fundamental knowledge areas and the CIT Concentrations cover specific software skill sets. The department will award a Certificate of Completion for each CIT Concentration successfully completed by the student.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Integrate computer systems into existing network technologies.
- Prescribe computer security procedures.
- Prepare project management strategies.
- Investigate various systems analysis and design techniques.
- Computer applications concentration students: Integrate computer applications to generate solutions to problems.

GENERAL EDUCATION REQUIREMENTS (23 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101, 102, 115	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: EGG 131	4	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
CIT 112B Network+	3	_____
CIT 160 Introduction to Computer Security	3	_____
CIT 260 Systems Analysis and Design	3	_____
CIT 263B Project Management	3	_____
CIT 295B Capstone Course	1	_____
IS 100B Core Computing Competency	0-3	_____
or		
IS 101 Introduction to Information Systems		_____
IS 115 Introduction to Programming	3	_____
Plus 3-6 Credits From the following ACC 201, CF, CIT, CS, CSCO, EGG 132, GIS, GRC 103, 175, IS	3-6	_____

Continued from previous column.

	CR	SEMESTER
FOR COMPUTER APPLICATIONS:		
ACC 223B Introduction to QuickBooks	3	_____
CIT 154B Dynamic Web Applications	3	_____
CIT 201B Word Certification Preparation	3	_____
CIT 202B Excel Certification Preparation	3	_____
CIT 203B Access Certification Preparation	3	_____
FOR DATABASE:		
CIT 180 Database Concepts and SQL	3	_____
CIT 181 Introduction to Oracle	3	_____
CIT 183 Database Administration	3	_____
CIT 184 Oracle PL/SQL Programming I	3	_____
CIT 285B Advanced Database Topics	3	_____
FOR GIS:		
GIS 109 Introduction to Geographic Information Systems	3	_____
GIS 111 Introduction to Remote Sensing	3	_____
GIS 205 GIS Applications	3	_____
GIS 214B Customizing ArcGIS Using .NET Framework	3	_____
GIS 236 GIS Applications II	3	_____
FOR PROGRAMMING:		
Must choose 5 courses AND must complete BOTH beginning and advanced courses for 2 languages.		
JAVA		
CIT 130 Beginning Java	3	_____
CIT 230 Advanced Java	3	_____
C		
CIT 131 Beginning C Programming	3	_____
CIT 231 Advanced C Programming	3	_____
VB.NET		
CIT 132 Beginning Visual Basic	3	_____
CIT 232 Advanced Visual Basic	3	_____
C++		
CIT 133 Beginning C++	3	_____
or		
CS 135 Computer Science I		_____
CIT 233 Advanced C++	3	_____
or		
CS 202 Computer Science II		_____
C#		
CIT 134B Beginning C# Programming	3	_____
FOR WEB DEVELOPMENT:		
CIT 151 Beginning Web Development	3	_____
CIT 152 Web Script Language Programming	3	_____
CIT 251 Advanced Web Development	3	_____
CIT 252 Web Database Development	3	_____
CIT 257 Web Languages	3	_____

Continued in next column.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. CITSOFTAAS

60
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This AAS degree prepares students to inspect and oversee the construction of commercial and residential buildings and landscape management, including sustainable (green) construction. Students learn proper procedures and materials that comply with plans, specifications, building codes, landscape procedures, energy audits and/or the LEED rating system. Students are prepared for employment as construction estimators, project managers, landscape managers, green specialists and other supervisory positions in the construction/landscape industries. Along with special program courses, academic skills emphasizing math, science and human relations components are stressed to prepare students to meet the challenges common in the workplace.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Identify items, elements or systems in a construction project by manually and visually identifying what is necessary for its construction, accurately calculate the quantities needed and estimate its total installed cost. (Construction Estimating)
- Explain the construction field administration phase, including describing contract documents, construction schedules, submittals, reports and close-out elements. (Construction Management)
- Identify construction contracts, lien laws, contract changes, scheduling, insurances and bond and contract disputes. (Construction Law)
- Compare advantages of utilizing green construction materials over the more conventional construction materials, including how the materials are produced, the general properties of the material and how material is installed. (Construction Material)
- Describe green alternatives to conventional building practices and describe the pros and cons of those alternatives. (Sustainable Construction - New)
- Explain construction retrofitting for energy efficiency of existing buildings. (Sustainable Construction - Existing)

GENERAL EDUCATION REQUIREMENTS (22 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: MGT 100B	3	_____
MATHEMATICS: MATH 104B or above (except MATH 111B, 115B, 122, 123)	3	_____
SCIENCE: ENV 101, GEOG 103	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: PSY 101, SOC 101, SPAN 101B	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (38 Credits):

	CR	SEMESTER
CONS 120B Printreading and Specifications	3	_____
CONS 205B Construction Site Safety OSHA Standards	3	_____
CONS 282B Construction Law	3	_____
CONS 286B Construction Management and Analysis	3	_____
CONS 299B Construction Technology Capstone	2	_____
SCT 101B Fundamentals of Sustainability	3	_____

Continued in next column.

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	CR	SEMESTER
SCT 105B Sustainable Construction Materials	3	_____
SCT 201B Sustainable Construction of New Buildings	3	_____
SCT 202B Sustainable Construction of Existing Buildings	3	_____

FOR CONSTRUCTION MANAGEMENT:

BI 101B Introduction to Building Codes	4	_____
BUS 101 Introduction to Business	3	_____
CONS 221 Construction Estimating	3	_____
CONS 281B Construction Planning, Scheduling and Control	3	_____

FOR SUSTAINABLE CONSTRUCTION TECHNOLOGY:

CONS 288B Quality Control of Construction Waste	3	_____
SCT 113B Renewable Energy Efficiency	3	_____
SCT 210B Sustainable Technology	3	_____
SCT 290B Legal Development of Sustainable Construction	3	_____

FOR LANDSCAPE MANAGEMENT:

LAND 200B Landscape Management	3	_____
LAND 214B Irrigation Systems	3	_____
LAND 223B Integrated Pest Management	3	_____
LAND 257 Ornamental Plant Materials	3	_____
or		
LAND 258 Xeric Plant Materials		

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

CONST-AAS

60
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This Associate of Applied Science Degree builds the skills required to provide professional and quality workmanship in the construction industry. The core curriculum stresses the theory and application of rough and finish electrical, low-voltage, photovoltaic, plumbing or weatherization, depending on which trade the student chooses, for residential and commercial construction. Instruction includes classroom and laboratory course work. Along with special program courses, academic skills emphasizing math, science and human relations components are stressed to prepare students to meet the challenges common in the workplace.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Read construction prints, to include: site, foundation, floor and structural plans, sectional and detail views and electrical, low-voltage or plumbing plans.
- Calculate electrical, low-voltage, photovoltaic, plumbing, or weatherization construction related formulas.
- Identify the equipment, material and/or systems necessary for any given residential or commercial electrical, low-voltage, photovoltaic, plumbing, or weatherization situation.
- Interpret electrical, low-voltage, photovoltaic, plumbing or weatherization building codes.
- Explain how to troubleshoot and repair problems that arise in electrical, low-voltage, photovoltaic, plumbing, or weatherization systems.

GENERAL EDUCATION REQUIREMENTS (22 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115	3	_____
ENGLISH: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: MGT 100B	3	_____
MATHEMATICS: MATH 104B or above (except MATH 111B, 115B, 122, 123)	3	_____
SCIENCE: ENV 101	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: PSY 101, SOC 101	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (38.5 Credits):

	CR	SEMESTER
AC 119B Professionals in Customer Service	1.5	_____
CADD 100 Introduction to Computer Aided Drafting	3	_____
CONS 120B Printreading and Specifications	3	_____
CONS 205B Construction Site Safety OSHA Standards	3	_____
CONS 288B Quality Control of Construction Waste	3	_____
SCT 101B Fundamentals of Sustainability	3	_____
SCT 105B Sustainable Construction Materials	3	_____
FOR ELECTRICAL:		
BTE 116B Electrical Theory and Applications 1	3	_____
BTE 120B Electrical Theory and Applications 2	3	_____
BTE 130B Electrical Theory and Applications 3	3	_____
BTE 210B Electrical Theory and Applications 4	3	_____
BTLV 110B Low-Voltage Theory and Applications 1	3	_____
BTPV 101B Photovoltaic Fundamentals	4	_____

Continued from previous column.

FOR LOW-VOLTAGE TECHNOLOGY:

	CR	SEMESTER
BTE 116B Electrical Theory and Applications 1	3	_____
BTLV 110B Low-Voltage Theory and Applications 1	3	_____
BTLV 120B Low-Voltage Theory and Applications 2	4	_____
BTLV 130B Low-Voltage Theory and Applications 3	4	_____
BTLV 210B Low-Voltage Theory and Applications 4	5	_____

FOR PHOTOVOLTAIC:

	CR	SEMESTER
BI 107B Introduction to Energy Conservation Code	1	_____
BTE 116B Electrical Theory and Applications 1	3	_____
BTPV 101B Photovoltaic Fundamentals	4	_____
BTPV 102B Photovoltaic Design and Sales	4	_____
BTPV 201B Photovoltaic Onsite Training	4	_____
SCT 113B Renewable Energy Efficiency	3	_____

FOR PLUMBING:

	CR	SEMESTER
BTFS 110B Fire Sprinkler Theory and Applications 1	3	_____
BTFS 210B Fire Sprinkler Theory and Applications 2	4	_____
BTP 115B Plumbing Theory and Applications 1	3	_____
BTP 120B Plumbing Theory and Applications 2	3	_____
BTP 130B Plumbing Theory and Applications 3	3	_____
BTP 210B Plumbing Theory and Applications 4	3	_____

FOR WEATHERIZATION:

	CR	SEMESTER
BI 107B Introduction to Energy Conservation Code	1	_____
BTW 101B Basic Weatherization	4	_____
BTW 103B Blower Door and Combustion Appliance Safety	2	_____
BTW 105B Lead and Mold Safety	2	_____
BTW 201B Building Performance	4	_____
BUS 102B Entrepreneurship and Innovation	3	_____
SCT 210B Sustainable Technology	3	_____

Continued in next column.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. CTBUTR-AAS

60.5
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This Associate of Applied Science Degree builds the skills required to provide professional and quality workmanship in the construction industry. The core curriculum stresses the theory and application of rough and finish carpentry for residential and light commercial construction. Instruction includes classroom, laboratory and actual in-the-field hands-on course work. Along with special program courses, academic skills emphasizing related math, science and human relations components are stressed to prepare students to meet the challenges common in the workplace.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Comprehend and utilize OSHA requirements and carpentry safety rules and regulations.
- Comprehend and utilize the International Residential Code as it applies to rough carpentry.
- Comprehend and utilize blueprint reading and specifications, to include framing terminology.
- Comprehend and utilize proper rough and finish carpentry hand, power, and pneumatic tool usage.
- Comprehend the various types of rough lumber and rough hardware utilized in rough carpentry.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

SPECIAL PROGRAM REQUIREMENTS (38 Credits):

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____	BTC 101B Building Trades Carpentry - Level I	5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____	BTC 102B Building Trades Carpentry - Level II	5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205 HIST 105, 106, 150, 151, 210, 247, 260 HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____	BTC 103B Building Trades Carpentry - Level III	5	_____
MATHEMATICS: MATH 116 or above (except MATH 122, 123)	3	_____	BTC 104B Building Trades Carpentry - Level IV	5	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____	BTC 105B Building Trades Carpentry - Level V	5	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____	BTC 106B Building Trades Carpentry - Level VI	5	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	CONS 295B Construction Internship I	4	_____
			CONS 296B Construction Internship II	4	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. CONSCA-AAS

63
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The AAS degree in Criminal Justice addresses both the legal and professional aspects of the criminal justice network while integrating social and behavioral sciences. The program prepares people seeking employment in the field of criminal justice. The program also provides professional growth and preparation for career promotions to those already employed in the criminal justice field.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate understanding of the three subsystems (police, corrections, and the courts) of the criminal justice network and the workings of these institutions in society.
- Explain the means by which institutions provide justice and how it is used to satisfy the needs of society.
- Demonstrate knowledge of the overall problem of crime in the United States, including different types of crimes.
- Understand current issues related to crime prevention and rehabilitation of offenders.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, ENG 102, 114	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: HMS 130, 135B, 265B, PSC 201, PSY 101, 102, 207, 208, 261, SOC 101, 102, 205, 275	3	_____
MATHEMATICS: MATH 104B or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
CRJ 104 Introduction to Administration of Justice	3	_____
CRJ 106 Introduction to Corrections	3	_____
CRJ 120 Community Relations	3	_____
CRJ 130 Survey of Criminal Law	3	_____
CRJ 164 Introduction to Criminal Investigation	3	_____
CRJ 220 Criminal Procedures	3	_____
CRJ 270 Introduction to Criminology	3	_____
Plus 15 credits from the following:		
CRJ Electives	15	_____

ASSOCIATE OF APPLIED SCIENCE

CRJ-AAS **61** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree prepares students for a career as a peace officer with Category I and II Nevada Law Enforcement Agencies. Students who successfully complete the program will be awarded a Nevada POST Category I certificate. The curriculum places a strong emphasis on Community Oriented Policing and Problem Solving (COP & PS). Testing methodology is structured for an active learning environment which includes written examinations, scenarios and case studies.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Basic fundamentals of academic course work as required by the Nevada Commission on Peace Officer’s Standards and Training (POST).
- Demonstrate the proper firing techniques for firearms and use of force requirements for a Nevada Peace Officer.
- Participate in the use of defensive tactics techniques that are authorized by Nevada Law Enforcement agencies.

GENERAL EDUCATION REQUIREMENTS (28 Credits):

SPECIAL PROGRAM REQUIREMENTS (33 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101	3	_____
ENGLISH: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: HMS 130, 135B, 265B, PSC 201, PSY 101, 102, 207, 208, 261, SOC 101, 102, 205, 275	3	_____
MATHEMATICS: MATH 104B or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	6	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
CRJ 103 Communication Within the Criminal Justice Field	3	_____
CRJ 110B Introduction to Nevada Law Enforcement	3	_____
CRJ 111B Firearms I	3	_____
CRJ 114B Firearms II	2	_____
CRJ 167B Preliminary Investigation for Police Recruits	3	_____
CRJ 170B Physical Training for Law Enforcement	1	_____
CRJ 210B Community Policing in Southern Nevada	3	_____
CRJ 216B Police Patrol Tactics	3	_____
CRJ 219B Emergency Vehicle Operation and Control	3	_____
CRJ 221B Criminal Procedures for Law Enforcement	3	_____
CRJ 229B Defensive Tactics	3	_____
CRJ 233 Nevada Criminal Law	3	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

CRJLET-AAS

61
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree is a quality, professional program for students wishing to enter and/or advance in the field of culinary arts. Students are taught to master the fundamentals of cooking with emphasis on hands-on preparation of various cuisines including basic cookery, aromatics, international and French cooking.

Students who successfully complete this degree are eligible to apply and receive Certified Culinarian status from the American Culinary Federation.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate proficiency in food service sanitation and nutrition.
- Demonstrate basic cooking skills including product identification, knife skills, cold food production and cooking skills by passing the requirements of standardized practical skills test.
- Demonstrate the ability to identify and show proficiency in the use of many different herbs and spices by passing the requirements of a practical skills test.
- Produce commonly used stocks, the foundation sauces and a large compliment of secondary sauces.
- Develop menus in a multitude of American and International cuisines and show proficiency in the production of these menus in an operational setting.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 115B or 124	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (45 Credits):

	CR	SEMESTER
CUL 110 Basic Cookery	4	_____
CUL 125 Principles of Baking	3	_____
CUL 130 Garde Manger	3	_____
CUL 200 Aromatics/Restaurant Experience	4	_____
CUL 220 International Cuisine	4	_____
CUL 240 French Cuisine	4	_____
CUL 250 Saucier	3	_____
CUL 295 Work Experience in Culinary Arts	1	_____
FAB 102 Food Service Sanitation II	2	_____
FAB 112 Restaurant Management I	3	_____
FAB 160 Hospitality Purchasing	3	_____
FAB 167 Food Service Nutrition	2	_____
FAB 210 Fundamentals of Food and Beverage Control	3	_____
FAB 230 Menu Planning	3	_____
HMD 101 Introduction to the Hospitality Industry	3	_____

ASSOCIATE OF APPLIED SCIENCE

CUL-AAS **70** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Deaf Studies program prepares students to work in a variety of situations with the deaf community. Students will obtain a strong understanding, receptively and expressively, of American Sign Language, deaf culture and history.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Acquire ASL vocabulary relevant to day-to-day discourse, academic topics, medical issues, financial issues, familial issues, political issues, and recreational activities.
- Acquire vocabulary relevant to figurative language in ASL.
- Exhibit an ability to conduct spontaneous discourse with native and near native ASL users.
- Exhibit an ability to apply ASL classifiers relevant to situations and rules of usage.
- Exhibit an ability to explain the basic grammar rules of ASL relating to questions, clauses, and non-manual signals.
- Exhibit an ability to apply their skills and knowledge in non-rehearsed situations.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

SPECIAL PROGRAM REQUIREMENTS (35 Credits):

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____	AM 145	American Sign Language I	4 _____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____	AM 146	American Sign Language II	4 _____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____	AM 147	American Sign Language III	4 _____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____	AM 148	American Sign Language IV	4 _____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____	AM 149	American Sign Language V	4 _____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____	AM 151	Fingerspelling I	1 _____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	AM 152	Fingerspelling II	1 _____
			AM 153	Deaf Culture	3 _____
			AM 154	Deaf History	3 _____
			AM 155	Structure of American Sign Language	3 _____
			AM 156	A Survey of Deafness	1 _____
			AM 157	ASL/English Translation	3 _____

ASSOCIATE OF APPLIED SCIENCE

DS-AAS **60** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

CSN offers the first Sign Language Interpreter Preparation program in Nevada. Upon completion of the program, students will have entry-level professional skills as Sign Language Interpreters and Translators.

It is our mission to improve the quality and quantity of interpreting services provided to individuals who are deaf, hard of hearing and deaf-blind.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate conversational American Sign Language skills at a competency level equivalent to that of an interpreter.
- Demonstrate successful interpretation of a communication transaction between a Deaf and Hearing individual using the methodology of Consecutive Interpretation.
- Demonstrate successful interpretation of a communication transaction between a Deaf and Hearing individual using the methodology of Simultaneous Interpretation.
- Demonstrate basic interpreting skills and knowledge in specialized areas such as: Deaf-Blind, Theatrical, Religious, Medical, Legal and Education.
- Take and pass the EIPA-Pre Screening tool for employment with the Clark County School District as an interpreter.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
AM 153 Deaf Culture	3	_____
AM 154 Deaf History	3	_____
AM 155 Structure of American Sign Language	3	_____
AM 156 A Survey of Deafness	1	_____
AM 157 ASL/English Translation	3	_____
AM 205 Introduction to Interpreting	4	_____
AM 206 Consecutive Interpreting	4	_____
AM 207 Simultaneous Interpreting	4	_____
AM 208 Observation/Practicum in Interpreting	3	_____
AM 209 Advanced Interpreting	4	_____
AM 210 Specialized Interpreting	2	_____
AM 211 Internship in Interpreting	3	_____

ASSOCIATE OF APPLIED SCIENCE

DSINT-AAS **62** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

Ultrasonography is a diagnostic imaging procedure that utilizes high frequency sound waves to image abdominal organs, vessels, the heart, and the developing fetus in the maternal uterus. Ultrasound can demonstrate masses, fluid accumulations and other pathology in the patient. Ultrasound exams are performed under the supervision of a qualified physician. Students electing to take this area of study are prepared to enter the sonography field in the areas of adult and pediatric echocardiography as well as vascular ultrasound. The student, upon graduation, will be eligible to sit for the National Registry Exams for Diagnostic Cardiac Sonography. Upon passing the exams, they will use the designation RDCS (Registered Diagnostic Cardiac Sonographer). This is a limited entry program and students must attend a health programs orientation and meet with a health programs advisor for additional counseling. The Diagnostic Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the JRC-DMS which is located at 2025 Woodlane Drive, St. Paul, MN 55125, (651) 731-1582.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the ability to evaluate cardiovascular ultrasonic images for appropriate anatomy and recognize cardiovascular pathologic conditions.
- Demonstrate the ability to operate cardiovascular ultrasound equipment and determine proper sonographic techniques, transducer size, and image setting to obtain quality images.
- Demonstrate the ability to anticipate and provide basic patient care and comfort during sonographic procedures.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

SPECIAL PROGRAM REQUIREMENTS (65 Credits):

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____	EGG 131 Technical Physics I or Physics with a lab	4	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____	HIT 117B Medical Terminology I	1	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____	SON 102B Basic Cardiac Sonography	3	_____
MATHEMATICS: MATH 111B, 116 or above (except MATH 122, 123)	3	_____	SON 102L Basic Cardiac Sonography Lab	1	_____
SCIENCE: BIOL 223, 224	8	_____	SON 116B Echocardiography I	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____	SON 125B Sonographic Physics and Instrumentation I	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	SON 135B Cardiovascular Ultrasound Physics	2	_____
			SON 150B Patient Care for Imaging Professions	3	_____
			SON 160B Sonographic Scanning Lab I	2	_____
			SON 190B Sonographic Physics and Instrumentation II	3	_____
			SON 195B Sonographic Scanning Lab II	2	_____
			SON 216B Echocardiography II	3	_____
			SON 225B Stress Echocardiography	3	_____
			SON 250B Seminar and Case Review I	2	_____
			SON 255B Seminar and Case Review II	2	_____
			SON 261B Pediatric Echocardiography I	3	_____
			SON 262B Pediatric Echocardiography II	2	_____
			SON 275B Vascular Sonography I	3	_____
			SON 275L Vascular Sonography Lab I	1	_____
			SON 276B Vascular Sonography II	3	_____
			SON 276L Vascular Sonography Lab II	1	_____
			SON 280B Sonographic Clinical Practicum I	2	_____
			SON 281B Sonographic Clinical Practicum II	2	_____
			SON 282B Sonographic Clinical Practicum III	3	_____
			SON 283B Sonographic Clinical Practicum IV	3	_____
			SON 284B Sonographic Clinical Practicum V	3	_____
			SON 291B Cardiac Registry Review	2	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. SONCAR-AAS

92
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

Ultrasonography is a diagnostic imaging procedure that utilizes high frequency sound waves to image abdominal organs, vessels, the heart, and the developing fetus in the maternal uterus. Ultrasound can demonstrate masses, fluid accumulations and other pathology in the patient. Ultrasound exams are performed under the supervision of a qualified physician. Students electing to take this area of study are prepared to enter the sonography field in the areas of abdominal, obstetrical/gynecological and vascular ultrasound. The student, upon graduation, will be eligible to sit for the National Registry Exams for Diagnostic Medical Sonography. Upon passing the exams, they will use the designation RDMS (Registered Diagnostic Medical Sonographer). This is a limited entry program and students must attend a health programs orientation and meet with a health programs advisor for additional counseling. The Diagnostic Medical Sonography Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the JRC-DMS which is located at 2025 Woodlane Drive, St. Paul, MN 55125, (651) 731-1582.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the ability to evaluate abdominal, obstetrical/gynecological and vascular ultrasonic images for appropriate anatomy and recognize pathologic conditions.
- Demonstrate the ability to operate ultrasound equipment and determine proper sonographic techniques, transducer size, and image setting to obtain quality images.
- Demonstrate the ability to anticipate and provide basic patient care and comfort during sonographic procedures.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 111B, 116 or above (except MATH 122, 123)	3	_____
SCIENCE: BIOL 223, 224	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

SPECIAL PROGRAM REQUIREMENTS (66 Credits):

	CR	SEMESTER
EGG 131 Technical Physics I or Physics with a lab	4	_____
HIT 117B Medical Terminology I	1	_____
SON 101B Basic Sonography	3	_____
SON 101L Basic Sonography Laboratory	1	_____
SON 125B Sonographic Physics and Instrumentation I	3	_____
SON 150B Patient Care for Imaging Professions	3	_____
SON 160B Sonographic Scanning Lab I	2	_____
SON 190B Sonographic Physics and Instrumentation II	3	_____
SON 195B Sonographic Scanning Lab II	2	_____
SON 210B Abdominal Sonography I	3	_____
SON 220B Abdominal Sonography II	3	_____
SON 235B Gynecologic Sonography	3	_____
SON 245B Obstetrical Sonography I	3	_____
SON 250B Seminar and Case Review I	2	_____
SON 255B Seminar and Case Review II	2	_____
SON 260B Obstetrical Sonography II	3	_____
SON 270B Small Parts/Pediatric Sonography	2	_____
SON 275B Vascular Sonography I	3	_____
SON 275L Vascular Sonography Lab I	1	_____
SON 276B Vascular Sonography II	3	_____
SON 276L Vascular Sonography Lab II	1	_____
SON 280B Sonographic Clinical Practicum I	2	_____
SON 281B Sonographic Clinical Practicum II	2	_____
SON 282B Sonographic Clinical Practicum III	3	_____
SON 283B Sonographic Clinical Practicum IV	3	_____
SON 284B Sonographic Clinical Practicum V	3	_____
SON 290B Sonography Registry Review	2	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. SONVAS-AAS

93
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Diesel/Heavy Equipment program prepares students to enter the workforce as technicians to maintain, diagnose, and repair heavy equipment. The program focuses both on over the road trucks as well as diesel powered heavy equipment, typically used in the construction industry. Students will learn diesel engine and propulsion systems, fuel management systems, related accessory components, as well as hydraulics, welding certifications, and HVAC certifications. All students will be prepared to take ASE certification exams at the completion of the appropriate course. Integral to this program is a paid internship component, allowing students to gain valuable work experience prior to completion of their program, making them more employable.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Prepare for employment in the Diesel Technology Industry as a Certified Technician.
- Successfully pass the following ASE/NATEF certification exams: ASE T2, ASE T3, ASE T4, ASE T5, ASE T6, ASE T7.
- Successfully pass the AWS D1.1 mild steel horizontal welding certification.
- Successfully pass the IMACA refrigerant handling certification.
- Successfully pass the SP2 safety and pollution prevention certification.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

SPECIAL PROGRAM REQUIREMENTS (52 Credits):

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____	AC 211	Transport Refrigeration	2 _____
ENGLISH: ENG 107	3	_____	DT 104	Diesel Equipment Service	4 _____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____	DT 115	Diesel/Heavy Equipment Electrical Systems	4 _____
MATHEMATICS: MATH 116 or above (except MATH 122, 123)	3	_____	DT 117	Advanced Diesel/Heavy Equipment Electronics	4 _____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____	DT 136	Diesel Engine Repair I	4 _____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____	DT 138	Diesel Engine Repair II	4 _____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	DT 145	Diesel Brake Systems	4 _____
			DT 155	Steering, Suspension and Directional Controls	4 _____
			DT 165	Diesel/Heavy Equipment Heating and Air Conditioning	4 _____
			DT 205	Diesel/Heavy Equipment Drive Train and Axles	4 _____
			DT 295	Internship Co-Op I	2 _____
			DT 296	Internship Co-Op II	2 _____
			DT 297	Internship Co-Op III	2 _____
			MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4 _____
			MTL 223B	Special Topics in Welding Technology	4 _____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

DLS-AAS

77
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The program is aimed at providing individuals with both the business knowledge needed for managing and/or owning a child care and the knowledge of children necessary to provide quality care.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Manage the business aspects of a day care program, including record keeping, financial and staff supervision.
- Implement a developmentally appropriate program for infants, toddlers and preschoolers.
- Meet licensing requirements for being director of a preschool and/or infant/toddler program.
- Distinguish typical and atypical development in young children.
- Demonstrate appropriate skills in modifying the care and education of young children to allow for the appropriate inclusion of children with atypical development.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 102, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 104B, 120 or above	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (39 Credits):

	CR	SEMESTER
BUS 101 Introduction to Business	3	_____
or		
BUS 102B Entrepreneurship and Innovation		
or		
MGT 103 Introduction to Small Business Management		
ECE 130 Infancy	3	_____
ECE 200 The Exceptional Child	3	_____
ECE 202 Understanding Human Growth and Development	3	_____
ECE 204 Principles of Child Guidance	3	_____
ECE 235 Adapting Curricula for Young Children with Special Needs	3	_____
ECE 240 Administration of the Preschool	3	_____
ECE 250 Introduction to Early Childhood Education	3	_____
ECE 251 Curriculum in Early Childhood Education	3	_____
ECE 252 Infant/Toddler Curriculum	3	_____
IS 101 Introduction to Information Systems	3	_____
MGT 100B Practical Human Relations for Business	3	_____
MGT 212 Leadership and Human Relations	3	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ECEDIR-AAS

64
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associate of Applied Science degree in Early Childhood Education – Child Care and Education is designed for students seeking careers and/or personal growth in the field of early childhood education. The program provides students with formal academic studies in which they will gain both theoretical and practical skills necessary to work in an infant/toddler, preschool setting, family day care, childcare center or other child centered job. Upon completion of this degree, students may go directly into employment.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the elements and dynamics of quality education and care for young children ages 0-5.
- Demonstrate appropriate skills for providing quality education and care for young children ages 0-5.
- Demonstrate appropriate skills in interacting with young children ages 0-5 and their families.
- Distinguish typical and atypical development in young children ages 0-5.
- Demonstrate appropriate skills in modifying the care and education of young children ages 0-5 to allow for the appropriate inclusion of those with atypical development.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

Continued from previous column.

	CR	SEMESTER		CR	SEMESTER	
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 102, 114, 205, JOUR 102, THTR 105	3-5	_____	ECE 157	Art in the Preschool Curriculum	1	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____	ECE 158	Activities for Physical Development in Young Children	1	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____	ECE 200	The Exceptional Child	3	_____
MATHEMATICS: MATH 104B, 120 or above (except MATH 122, 123)	3	_____	ECE 202	Understanding Human Growth and Development	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____	ECE 204	Principles of Child Guidance	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____	ECE 235	Adapting Curricula for Young Children with Special Needs	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	ECE 245	Practicum Seminar	2	_____
			ECE 250	Introduction to Early Childhood Education	3	_____
			ECE 251	Curriculum in Early Childhood Education	3	_____
			ECE 252	Infant/Toddler Curriculum	3	_____
			ECE 260	Children's Literature	3	_____
			ECE 274	Individual Child and Family	3	_____
			FOR PRESCHOOL:			
			ECE 151	Math in the Preschool Curriculum	1	_____
			ECE 152	Science in the Preschool Curriculum	1	_____
			ECE 231	Preschool Practicum	3	_____
			FOR INFANT TODDLER:			
			ECE 127	Role of Play for Infants and Toddlers	1	_____
			ECE 134	Guiding Infant/Toddlers	1	_____
			ECE 232	Practicum: Infant and Toddler	3	_____

SPECIAL PROGRAM REQUIREMENTS (42 Credits):

	CR	SEMESTER
ECE 122 Observation Skills	1	_____
ECE 130 Infancy	3	_____
ECE 155 Literacy and the Young Child	1	_____
ECE 156 Music in the Preschool Curriculum	1	_____

Continued in next column.

ECEECE-AAS **67** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree provides students both theoretical knowledge and practical skills necessary for educational work with children in daycare centers, preschools, elementary schools and children with special needs. This course work partially fulfills the requirements established by the "No Child Left Behind Act of 2001." Upon completion of this degree, students may elect to transfer credits towards upper-division studies and/or go directly into employment.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the elements and dynamics of quality education while functioning as a classroom aide for school age children.
- Demonstrate appropriate skills for providing a quality educational environment for school age children.
- Demonstrate appropriate skills in interacting with school age children.
- Distinguish typical and atypical development in school age children.
- Demonstrate appropriate skills in modifying the educational setting for school age children to allow for the appropriate inclusion of school age children with atypical development.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (40 Credits):

	CR	SEMESTER
ECE 122 Observation Skills	1	_____
ECE 155 Literacy and the Young Child	1	_____
ECE 157 Art in the Preschool Curriculum	1	_____

Continued in next column.

Continued from previous column.

	CR	SEMESTER
ECE 159 After School Activities	1	_____
ECE 200 The Exceptional Child or EDU 203 Introduction to Special Education	3	_____
ECE 202 Understanding Human Growth and Development	3	_____
ECE 204 Principles of Child Guidance	3	_____
ECE 241 Practicum for Teacher Aides	4	_____
ECE 245 Practicum Seminar	2	_____
ECE 260 Children's Literature	3	_____
EDU 201 Introduction to Elementary Education or ECE 250 Introduction to Early Childhood Education	3	_____
EDU 210 Nevada School Law	2	_____
EDU 214 Preparing Teachers to Use Technology	3	_____
EDU 220 Principles of Educational Psychology or ECE 274 Individual Child and Community and ECE 138 Step Families	4	_____
ECE 280 Valuing Cultural Diversity	3	_____
IS 101 Introduction to Information Systems	3	_____

ASSOCIATE OF APPLIED SCIENCE

65
ECETCH-AAS Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associate of Applied Science Degree in Engineering Technology with Electronics emphasis prepares students to assist in providing support for engineering functions or to function as an Electronics Technician. Instruction includes analog and digital circuit design, implementation and testing, fabrication techniques, telecommunications, microprocessor programming and interface. Specialize concentration instruction includes topics such as in-depth analysis of analog and digital circuits, electrical and power supply troubleshooting, systems such as radar and microwaves, computer and network fundamentals, medical terminology, healthcare organizational dynamics, and fluid dynamics. Accredited by the Technology Accreditation Commission of ABET, <http://www.abet.org>.

This two-year program provides students with the methods and procedures used in engineering organizations and by electronics technicians in a bench repair, defense contractor, and biomedical equipment repair functions. Instruction takes place in a hands-on, state-of-the-art environment.

Educational Objectives - Within a few years of graduation: Graduates from CSN's Engineering Technology with Electronics emphasis program will demonstrate the ability to apply circuit analysis and design, computer programming, analog and digital electronics, and microprocessor/microcontroller principles to install, test, troubleshoot and maintain electrical and electronic systems as bench, defense contractor, and biomedical equipment technicians. Graduates will have effective technical communication skills necessary to function on professional teams as technicians or managers. Graduates are prepared to enter the working force with professional work ethic with the commitment to lifelong learning, quality and continuous improvement through the clear ability to assume increasing levels of responsibility in both industry and community.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge of safety procedures and proper electronics fabrication techniques.
- Identify components, design, construct, and test various circuits to include filters and construct a Bode Plot of an amplifier's frequency response.
- Construct, analyze and test various types of digital circuits and microprocessor/microcontroller circuits. Demonstrate a working knowledge writing programs to control other devices.
- Demonstrate commitment to quality, timeliness, continuous improvement, while showing an understanding of the need for and an ability to engage in continuing professional development.
- For Bench and Defense Contractor concentrations, demonstrate a working knowledge of common modulation/transmission methods to include such as AM, FM and Pulse modulation. The Bench concentration will also focus upon more advanced analog/digital circuits. The Defense Contractor will focus upon circuit repair along with systems such as radar.
- For Biomedical Equipment concentration, characterize the computers/networks used in the healthcare industry, demonstrate an ability to explain fluid dynamics, common medical terminology, health-care dynamics, and the fundamentals functional characteristics of the human body.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115, ENG 107	3	_____
ENGLISH: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205 HIST 105, 106, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 111B, 127 or higher	3	_____
SCIENCE: EGG 131, 132	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
ET 104B Fabrication and Soldering Techniques	2	_____
ET 131B DC for Electronics	4	_____

Continued in next column.

Continued from previous column.

	CR	SEMESTER
ET 132B AC for Electronics	4	_____
ET 212B Digital Logic I	4	_____
ET 220B Solid State Devices and Circuits I	4	_____
ET 228B Data Acquisition	3	_____
ET 282B Microprocessors I	3	_____
IS 100B Core Computing Competency	0-3	_____
or		
IS 101 Introduction to Information Systems		_____
FOR BENCH TECHNICIAN:		
ET 106B Test Equipment Operation	3	_____
ET 213B Digital Logic II	4	_____
ET 222B Solid State Devices and Circuits II	4	_____
ET 293B Telecommunication Transmission Methods	3	_____
FOR DEFENSE CONTRACTOR TECHNICIAN:		
ET 205B Power Supply Theory and Repair	3	_____
ET 289B Electrical Troubleshooting	4	_____
ET 293B Telecommunication Transmission Methods	3	_____
With at least 3-4 credits from the following:		
ET 106B Test Equipment Operation	3	_____
ET 113B Introduction to Radar	3	_____
ET 125B RF and Microwave Devices	3	_____
ET 195B or higher	1-4	_____
FOR BIOMEDICAL EQUIPMENT TECHNICIAN:		
CIT 110 A+ Hardware	3	_____
CSCO 120 CCNA Internetworking Fundamentals	4	_____
HHP 123B Introduction to the Human Body	4	_____
HIT 105B Healthcare Delivery Systems	2	_____
HIT 118B Language of Medicine	3	_____
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. ETELEC-AAS **64** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This program provides students with classroom and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics and ferrous and non-ferrous material. The Industrial Emphasis focuses on those skills used in industrial settings. Academic skills emphasizing related math, science and human relations are stressed to prepare students to meet the challenges common in the workplace.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Ensure the level of knowledge and ability to select, test, set up, and maintain various electro-mechanical systems and machinery and perform basic system calculations.
- Construct, operate, and maintain various electrical motor controllers, mechanical power transmission systems, and high pressure fluid power systems.
- Demonstrate the ability to apply various troubleshooting techniques for the identification and correction of faults in electrical, mechanical, and fluid power systems.
- Demonstrate knowledge and skills in basic mathematical calculations, communication, and teamwork concepts.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 115	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 111B, 116, 124, 126, 127 or higher	3	_____
SCIENCE: EGG 131 and MT 102B or ET 131B	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (35 Credits):

	CR	SEMESTER
ADT 100B Introduction to Drafting Theory	3	_____
AUTO 105B Automotive Maintenance I	4	_____
CADD 100 Introduction to Computer Aided Drafting	3	_____
CONS 120B Printreading and Specifications	3	_____
IS 100B Core Computing Competency or IS 101 Introduction to Information Systems	0-3	_____
MT 104B Industrial Electricity	4	_____
MT 106B Mechanical Power Transmission	4	_____
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4	_____
MT 110B Material Science I (Ferrous and Non-Ferrous)	4	_____
MT 115B Programmable Logic Controllers I	3	_____
MT 116B Programmable Logic Controllers II	3	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ETINDU-AAS

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Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree provides students with classroom and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics and ferrous and non-ferrous material. The Operations Emphasis focuses on those skills used in operational settings. Academic skills emphasizing related math, science and human relations are stressed to prepare students to meet the challenges common in the workplace.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the knowledge and ability to follow guidelines for safe operation and maintenance of various mechanical, electrical, and fluid power systems.
- Explain and show the skills to design and operate basic electrical, mechanical, and fluid power systems and to use computer-based programmable logic controller devices to monitor their operation and performance.
- Apply the skills and knowledge to various troubleshooting techniques for identification and correction of faults in electrical circuits and mechanical and high pressure fluid power systems.
- Utilize knowledge and skills in mathematics, written and oral communication, and teamwork.
- Demonstrate skills necessary for further education and managerial positions.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 115	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 111B, 116, 124, 126, 127 or higher	3	_____
SCIENCE: EGG 131 and MT 102B or ET 131B	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (33 Credits):

	CR	SEMESTER
AC 103B Introduction to HVAC Mechanical Theory and Application	5	_____
CONS 120B Printreading and Specifications	3	_____
IS 100B Core Computing Competency or IS 101 Introduction to Information Systems	0-3	_____
MT 104B Industrial Electricity	4	_____
MT 106B Mechanical Power Transmission	4	_____
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4	_____
MT 110B Material Science I (Ferrous and Non-Ferrous)	4	_____
MT 115B Programmable Logic Controllers I	3	_____
MT 116B Programmable Logic Controllers II	3	_____
With at least 3-4 credits from the following: Any course with ET or MT prefix	3-4	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. ETOPER-AAS

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Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree prepares students for employment in Power production. This program integrates two hands-on Co-Op/Internships in Operation, Electricity, and Hydro/Electricity that provides students with a wide-range of experiences. This program is presented in cooperation with the U.S. Bureau of Reclamation. Academic skills emphasizing related math, science and human relations are stressed to prepare students to meet challenges common in the workplace.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Identify the occupational positions available in the Power Utility and other power generating plants.
- Participate in an on-job training experience in a power generating plant or dam.
- Identify acceptable work performance standards.
- Develop positive attitudes towards work and service to others.
- Be prepared to accept management and/or supervisory positions in the Power Utility and other generating plants.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 115	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 111B, 116, 124, 126, 127 or higher	3	_____
SCIENCE: EGG 131 and MT 102B or ET 131B	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (34 Credits):

	CR	SEMESTER
IS 100B Core Computing Competency or IS 101 Introduction to Information Systems	0-3	_____
MT 104B Industrial Electricity	4	_____
MT 106B Mechanical Power Transmission	4	_____
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4	_____
MT 110B Material Science I (Ferrous and Non-Ferrous)	4	_____
MT 115B Programmable Logic Controllers I	3	_____
MT 116B Programmable Logic Controllers II	3	_____

Continued in next column.

Continued from previous column.

	CR	SEMESTER
Plus 12 Credits from the following		
FOR ELECTRICAL MAINTENANCE:		
AC 102B Introduction to HVAC Electrical Theory and Application	5	_____
AC 103B Introduction to HVAC Mechanical Theory and Application	5	_____
BTE 116B Electrical Theory and Applications 1	3	_____
CADD 105 Intermediate Computer Aided Drafting	3-4	_____
ESH 207B Introduction to Safety Management	3	_____
ESH 240B Wastewater Treatment I	3	_____
ET 100B Survey of Electronics	3	_____
ET 104B Fabrication and Soldering Techniques	0.5-6	_____
ET 106B Test Equipment Operation	3	_____
MT 180B Co-Op/Internship First Semester	3	_____
MT 181B Co-Op/Internship Second Semester	3	_____
FOR MECHANICAL MAINTENANCE:		
CADD 105 Intermediate Computer Aided Drafting	3-4	_____
ESH 240B Wastewater Treatment I	3	_____
MT 180B Co-Op/Internship First Semester	3	_____
MT 181B Co-Op/Internship Second Semester	3	_____
WELD 130B Welding Support Equipment Operations	3	_____
WELD 132B Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2	_____
WELD 133B SMAW (Stick)	4	_____
WELD 134B GTAW (Tig)	4	_____
FOR PLANT OPERATION:		
CADD 105 Intermediate Computer Aided Drafting	3-4	_____
EMA 101 Principles of Emergency Management	3	_____
EMA 102 Disaster Mitigation and Preparedness	3	_____
ESH 207B Introduction to Safety Management	3	_____
ET 100B Survey of Electronics	3	_____
ET 104B Fabrication and Soldering Techniques	0.5-6	_____
ET 106B Test Equipment Operation	3	_____
MT 180B Co-Op/Internship First Semester	3	_____
MT 181B Co-Op/Internship Second Semester	3	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ETPWR-AAS

61
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The degree provides students with the necessary skills to assist in the planning, design, troubleshooting and maintenance of various devices such as ATM, Kiosks, and slot machines. Instruction includes network management systems such as player tracking/slot management systems or ATM Network Monitoring systems. The appropriate regulations, such as slot machine related gaming regulations or ATM related banking regulations will be covered in each concentration. Key common and specialized components and sub-assemblies of these devices will be covered. For example, some of these components and sub-assemblies are random number generators, opto-couplers, coin comparators, dollar bill acceptors, and printers. Computers and networks using these devices and slot machine gaming are addressed. This two-year program provides the student with the repair methods and procedures used in the industries supported by each concentration. Instruction takes place in a hands-on state-of-the-art environment.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate a working knowledge of the theory of operation of typical self-serve devices such as electronic slot machines, ATMs, and/or Kiosks; Pseudo Random Number Generators; ROM, PROM, EPROM, EEPROM and RAM; and stepper motors.
- Describe the operation of typical peripheral devices; the external features; the money handling assemblies; the modes of operation in devices such as the slot machine, ATMs, and/or Kiosks.
- Identify electronic circuits and components used in these devices.
- Demonstrate positive work ethics and interpersonal skills in a group environment and to deliver written and oral project reports.
- Characterize and troubleshoot the installation and operation of networks that support devices such as slot machines and computers.
- Demonstrate a working knowledge of personal computers and the embedded computers found in slot machines.
- Show an ability to independently analyze, troubleshoot, repair, construct, and/or design slot machines or other self-service devices.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115, ENG 107	3	_____
ENGLISH: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 111B	3	_____
SCIENCE: EGG 131, ET 131B	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
CIT 110 A+ Hardware	3	_____
CSCO 105B Fundamentals of Voice and Data Cabling	3	_____
CSCO 120 CCNA Internetworking Fundamentals	4	_____

Continued in next column.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ETSLSE-AAS

Continued from previous column.

	CR	SEMESTER
ET 100B Survey of Electronics or ET 104B Fabrication and Soldering Techniques	2-3	_____
ET 132B AC for Electronics	4	_____
ET 212B Digital Logic I	4	_____
ET 238B Device Peripherals	3	_____
ET 294B EET Capstone	3	_____
IS 100B Core Computing Competency or IS 101 Introduction to Information Systems	0-3	_____
With at least 4 credits from the following:		
ET 205B Power Supply Theory and Repair	2-3	_____
ET 206B Video Monitor Theory and Repair	2-3	_____
ET 289B Electrical Troubleshooting	4	_____
FOR SLOT TECHNOLOGY TECHNICIANS:		
CIT 263B Project Management	3	_____
ET 138B Introduction to Slot Machine Technology	3	_____
GAM 225 Introduction to Gaming Management	3	_____
FOR SELF-SERVICE DEVICE TECHNICIANS:		
ACC 135B Bookkeeping I	3	_____
CSCO 220 CCNA LAN Switching and Wireless Fundamentals	4	_____

64
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associate of Applied Science Degree in Engineering Technology - Telecommunications Emphasis prepares students with the necessary skills required by today's high-tech, high-wage telecommunications industry. Instruction includes; telecommunications and advanced telecommunications and advanced telecommunications topics; IP network installation, configuration, and maintenance; electronics and digital circuits; copper and fiber optic cabling installation. Accredited by the Technology Accreditation Commission of ABET, <http://www.abet.org>.

This two-year program provides the students with the methods and procedures used by technicians in the telecommunications industry. Instruction takes place in a hands-on, state-of-the-art environment.

Educational Objectives - Within a few years of graduation: Graduates from CSN's Telecommunication Engineering Technology Program will demonstrate the ability to apply technical, managerial, design and application skills necessary to install, manage, operate, and maintain telecommunication systems. Graduates will have effective technical communication skills necessary to function on professional teams. Graduates are prepared to enter the working force with professional work ethic with the commitment to lifelong learning, quality and continuous improvement through the clear ability to assume increasing levels of responsibility in both industry and community.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Construct, test, and verify the operation of voice and data cables, various analog, digital and microprocessor/microcontroller circuits, demonstrate a working knowledge of filter circuits, fiber optics, electronics/telecommunications laboratory test equipment.
- Perform IP network installation, maintenance, configuration, analysis, and management, while utilizing devices such as Routers and PCs.
- Explain the signaling and system structure of the various types of telephones, such as the mobile, IP based, and traditional.
- Distinguish between the various modulation and multiplexing techniques commonly employed in the telecommunication transmission systems.
- Demonstrate commitment to quality, timeliness, and continuous improvement, while showing an understanding of the need for and an ability to engage in self-directed continuing professional development.
- Support positive work ethics and interpersonal skills in a group environment and deliver written and oral reports on projects.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115, ENG 107	3	_____
ENGLISH: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 180, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 111, PSY 101, 102, 207, 208, 261, PT 122, SOC	3	_____
MATHEMATICS: MATH 111B	3	_____
SCIENCE: EGG 131, ET 131B	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
CSCO 105B Fundamentals of Voice and Data Cabling	3	_____
CSCO 120 CCNA Internetworking Fundamentals	4	_____
CSCO 121 CCNA Routing Protocols and Concepts	4	_____
CSCO 205B Fiber Optic Cabling	3	_____
ET 108B Telecommunications and the Information Age	3	_____
ET 132B AC for Electronics	4	_____
ET 212B Digital Logic I	4	_____
ET 282B Microprocessors I	3	_____
ET 293B Telecommunication Transmission Methods	3	_____
ET 294B EET Capstone	3	_____
IS 100B Core Computing Competency or IS 101 Introduction to Information Systems	0-3	_____
Plus 3 credits from the following:		
CIT 110 A+ Hardware	3	_____
ET 106B Test Equipment Operation	3	_____
IS 115 Introduction to Programming	3	_____
CSCO 200 or higher	4	_____
ET 200 or higher	3-4	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. ETELCOAAS

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Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree provides students with classroom and laboratory experience in electricity, mechanical power, and fluid power systems. The Theater Technology emphasis focuses on those skills used in entertainment environment. Academic courses emphasizing relevant math, science and human relations are stressed to prepare students to meet challenges common in the theater environment. The effective combination of theoretical courses and hands-on experience gained through Co-Op enhances student's ability to secure employment as well as future professional growth in theater technology.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Show the necessary skills to design, assemble, and operate different fluid power systems and perform basic system calculations.
- Demonstrate a working knowledge of how to be effective in their technical roles as a theater technician.
- Obtain relevant up-to-date and applied knowledge and skills to set-up, upgrade and troubleshoot the equipment used in theater environment.
- Develop teamwork skills through design and operation of various mechanical power transmission systems and show potential to accept supervisory responsibilities as a manager.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

Continued from previous column.

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 115	3	_____	MT 101B	Introduction to Theater Technology	2 _____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____	MT 104B	Industrial Electricity	4 _____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____	MT 106B	Mechanical Power Transmission	4 _____
MATHEMATICS: MATH 111B, 116, 120, 124, 126, 127 or higher	3	_____	MT 108B	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4 _____
SCIENCE: EGG 131 and MT 102B or ET 131B	8	_____	THTR 204	Theater Technology I	3 _____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: MUS 231	3	_____	THTR 214	Theater Technology II	3 _____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	WELD 132B	Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2 _____

Plus at least 6 credits from the following:

ET 106B	Test Equipment Operation	3	_____
ET 132B	AC for Electronics	4	_____
MT 110B	Material Science I (Ferrous and Non-Ferrous)	4	_____
MT 115B	Programmable Logic Controllers I	3	_____
MT 116B	Programmable Logic Controllers II	3	_____
MT 183B	Co-Op/Internship Third Semester	3	_____
MT 184B	Co-Op/Internship Fourth Semester	3	_____
WELD 131B	Blueprint Reading, Layout, and Sketching	3	_____
WELD 133B	SMAW (Stick)	4	_____
WELD 134B	GTAW (Tig)	4	_____

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
ADT 100B Introduction to Drafting Theory	3	_____
CADD 100 Introduction to Computer Aided Drafting	3	_____
ET 104B Fabrication and Soldering Techniques	2	_____
IS 100B Core Computing Competency	0-3	_____
or IS 101 Introduction to Information Systems		

Continued in next column.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. ETTHTR-AAS

63
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This program prepares students in the fast growing and lucrative Occupational Safety Management career field. Students learn to design, implement and manage an effective and proactive safety program that includes establishing goals, procedures and injury prevention policies. This program prepares students for professional certifications including ASP (Associate Safety Professional), CSP (Certified Safety Professional), CHMM (Certified Hazardous Materials Manager), and CIH (Certified Industrial Hygienist).

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the fundamentals of the management of occupational health and safety and its impact on operational profit.
- Demonstrate an understanding of the various laws, regulations and guidelines that are applicable to the ESH arena, and how they drive occupational safety and health.
- Demonstrate knowledge of mathematics, communication skills, and other core degree requirements adequate to assume a supervisory position in Occupational Safety Management.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
BI 101B Introduction to Building Codes	3	_____
ESH 130 Introduction to Hazardous Materials Management	3	_____
ESH 201 40 Hour Hazwoper Certification	3	_____
ESH 205 Transportation of Hazardous Materials	3	_____
ESH 207B Introduction to Safety Management	3	_____
ESH 208B Safety Management II	3	_____
ESH 211B Industrial Hygiene I	3	_____
ESH 212B Industrial Hygiene II	3	_____
ESH 213B Construction 500	3	_____
ESH 214B General Industry 501	3	_____
ESH 265B Safety Laws and Regulations	3	_____
FT 121 Fire Prevention	3	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ESHOCC-AAS

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Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This program prepares students for a lucrative career in the wastewater treatment field. Students learn to operate machinery used in plants where urban wastewater is treated for release back into the environment. Classes are generally held at the Clark County Sanitation District facilities. Academic skills emphasizing math, science and human relations are stressed to prepare students to meet challenges common in the workplace.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the fundamentals of waste water treatment and related technologies.
- Demonstrate an understanding of the laws and regulations that apply to waste water treatment.
- Demonstrate an understanding of the various treatment methodologies and technologies applicable to waste water treatment.
- Demonstrate an understanding of pump operation and maintenance for waste water treatment operation.
- Demonstrate knowledge of waste water treatment operations, relevant skills and other core degree requirements adequate to assume entry level supervisory positions in waste water treatment operations.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (35 Credits):

	CR	SEMESTER
ESH 202 Environmental Laws and Regulations	3	_____
ESH 215 Environmental Computer Applications	3	_____
or GIS 109B Introduction to Geographic Information Systems		
ESH 240B Wastewater Treatment I	3	_____
ESH 241B Wastewater Treatment II	3	_____

Continued in next column.

Continued from previous column.

	CR	SEMESTER
ESH 242B Wastewater Treatment III	3	_____
ESH 246B Water/Wastewater Mathematics I	3	_____
ESH 247B Water/Wastewater Mathematics II	3	_____
ESH 248B Water Quality Analysis and Laboratory	4	_____
ESH 250B Pump Operation and Maintenance	3	_____
ESH 251B Current Issues	3	_____
Plus 4 credits from the following:		
BIOL 101 General Biology for Non-Majors	4	_____
CHEM 105 Chemistry, Man and Society	3	_____
CHEM 110 Chemistry for Health Sciences I	4	_____
CHEM 111 Chemistry for Health Sciences II	4	_____
CHEM 121 General Chemistry I	4	_____
CONS 120B Printreading and Specifications	3	_____
EMS 108B Emergency Medical Technician Training	8	_____
ENV 220 Introduction to Ecological Principles	3	_____
ESH 225B Ethics and Legal Issues in Environmental Restoration	3	_____
ESH 230B Radiation Health Physics	3	_____
ESH 235B Asbestos Inspection and Abatement	3	_____
ESH 249B Industrial Pretreatment Programs and Inspection	3	_____
ET 100B Survey of Electronics	3	_____
FT 101 Introduction to Fire Science	3	_____
MT 110B Material Science I (Ferrous and Non-Ferrous)	4	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. ESHWW-AAS

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Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree prepares students for a lucrative career in the water treatment field. Students learn to maintain and operate water management plants that treat water supplies for urban areas. Classes are generally held at the Clark County Sanitation District. Academic skills emphasizing related math, science and human relations components are stressed to prepare students to meet challenges common in the workplace.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the fundamentals of water treatment and related technologies.
- Demonstrate an understanding of the laws and regulations that apply to drinking water treatment.
- Demonstrate an understanding of the various treatment methodologies and technologies applicable to drinking water treatment.
- Demonstrate an understanding of pump operation and maintenance for drinking water treatment operation.
- Demonstrate knowledge of water treatment operations, communication skills, and other core degree requirements adequate to assume entry level supervisory positions in water treatment operations.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

tSPECIAL PROGRAM REQUIREMENTS (35 Credits):

	CR	SEMESTER
ESH 202 Environmental Laws and Regulations	3	_____
ESH 215 Environmental Computer Applications	3	_____
or		
GIS 109B Introduction to GIS		
ESH 243B Water Treatment Plant Operations I	3	_____
ESH 244B Water Distribution I	3	_____
ESH 245B Water Treatment Plant Operations II	3	_____
ESH 246B Water/Wastewater Mathematics I	3	_____
ESH 247B Water/Wastewater Mathematics II	3	_____
ESH 248B Water Quality Analysis and Laboratory	4	_____
ESH 250B Pump Operation and Maintenance	3	_____
ESH 251B Current Issues	3	_____
Plus 4 credits from the following:		
BIOL 101 General Biology for Non-Majors	4	_____
CHEM 105 Chemistry, Man and Society	3	_____
CHEM 110 Chemistry for Health Sciences I	4	_____
CHEM 111 Chemistry for Health Sciences II	4	_____
CHEM 121 General Chemistry I	4	_____
CONS 120B Printreading and Specifications	3	_____
EMS 108B Emergency Medical Technician Training	8	_____
ENV 220 Introduction to Ecological Principles	3	_____
ESH 225B Ethics and Legal Issues in Environmental Restoration	3	_____
ESH 230B Radiation Health Physics	3	_____
ESH 235B Asbestos Inspection and Abatement	3	_____
ESH 249B Industrial Pretreatment Programs and Inspection	3	_____
ET 100B Survey of Electronics	3	_____
FT 101 Introduction to Fire Science	3	_____
MT 110B Material Science I (Ferrous and Non-Ferrous)	4	_____

60
Total Credits

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. ESHWAT-AAS

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associate of Applied Science Degree in Finance prepares the individual to perform financial services. These include credit collection, transit routing of notes and drafts, receiving and paying out money and functions associated with processing loans.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Demonstrate the knowledge necessary to handle personal finances.
- Demonstrate the ability to provide basic financial services for others.
- Demonstrate understanding of basic financial concepts.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 102, 114, 205, JOUR 102, THTR 105	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 124 or above	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
ACC 201 Financial Accounting	3	_____
ACC 202 Managerial Accounting	3	_____
ACC 220 Microcomputer Accounting Systems	3	_____
ECON 102 Principles of Microeconomics	3	_____
ECON 103 Principles of Macroeconomics	3	_____
FIN 101 Personal Finance	3	_____
FIN 115 Introduction to Investments	3	_____
IS 101 Introduction to Information Systems	3	_____
MKT 210 Marketing Principles	3	_____
Plus 9 credits from the following:		
BUS 101 Introduction to Business	3	_____
BUS 108 Business Letters and Reports	3	_____
BUS 273 Business Law I	3	_____
ECON 261 Principles of Statistics I	3	_____
MGT 201 Principles of Management	3	_____

FIN-AAS **61**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associate of Applied Science Degree in Fire Technology Management is designed to provide students and career fire service personnel with the necessary education and skills required to enter a career or achieve promotion in a municipal, county or state fire department. The courses follow the Fire and Emergency Services Higher Education (FESHE) curriculum. The course content is designed to meet the National Fire Protection Association’s 1001 Standard for Fire Fighter Professional Qualifications. The elective material is designed to prepare fire-fighters for advancement in the fire service.

This degree does not guarantee employment or promotion but will prepare the student to increase their chances of being hired or promoted. Students may be placed in a physically demanding environment designed to introduce the student to job tasks and skills required to operate in the fire and emergency services.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate preparedness for the Nevada State Fire Marshall’s written test in accordance with the National Fire Protection Association’s Standard 1001 – Firefighter I.
- Demonstrate preparedness for the Nevada State Fire Marshall’s practical skills test in accordance with the National Fire Protection Association’s Standard 1001 – Firefighter I.
- Ability to conduct a basic fire inspection, basic fire cause and origin, hazardous materials awareness, understand the tactics and strategies involved in fire suppression.
- Understand the legal aspects facing fire service personnel.
- Understand the roles of those in Fire Administrative positions.

GENERAL EDUCATION REQUIREMENTS (28 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 107, COM 101	6	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: HMS 130, 135B, 265B, PSC 201, PSY 101, 102, 207, 208, 261 SOC 101, 102, 202, 205, 275	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, CHEM, ENV, GEOG 103, 104, 117, GEO, PHYS, HHP 123B, 124B	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
FT 101 Principles of Emergency Services	3	_____
FT 105 Fire Behavior and Combustion	3	_____
FT 121 Fire Prevention	3	_____
FT 125 Building Construction for Fire Protection	3	_____
FT 131 Hazardous Materials Chemistry	3	_____
FT 152B Legal Aspects of Emergency Services	3	_____
FT 154B Principles of Fire and Emergency Services Safety and Survival	3	_____
FT 224 Fire Protection Systems	3	_____
Plus 12 credits from the following:		
FT 110 Basic Wildland Firefighting	4	_____
FT 126 Fire Investigation I	3	_____
FT 150 Apparatus and Equipment	3	_____
FT 151 Fire Protection Hydraulics and Water Supply	3	_____
FT 153B Occupational Safety and Health for Emergency Services	3	_____
FT 190 Fire Instructor I	3	_____
FT 191 Introduction to Company Officer	3	_____
FT 226 Fire Investigation II	3	_____
FT 243 Strategy and Tactics	3	_____
FT 291 Fire and Emergency Services Administration	3	_____
FT 298 Seminar in Fire Management	3	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

FTM-AAS

64
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree prepares students for the commercial floral design industry which encompasses private retail shops, wedding chapels, silk floral establishments and major resort hotels. Typical positions in floral establishments include owner/manager, lead designer, assistant designer or salesperson.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Appraise and evaluate the basic tasks of a floral designer in a commercial setting by calculating, estimating and justifying market sheets for ordering product for shop needs, and acting as a consultant for weddings, special events and funerals.
- Assess criteria to select and recommend materials for the construction of floral decor to customer's preference, using industry standards.
- Compose photographic images of floral design.
- Demonstrate math, communication, computer technology skills, and other core supervisory/entry level management skills in the floral industry.

GENERAL EDUCATION REQUIREMENTS (22 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 104B or above (except MATH 111B, 115B, 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

FSPECIAL PROGRAM REQUIREMENTS (39 Credits):

	CR	SEMESTER
ACC 135B Bookkeeping I or ACC 201 Financial Accounting	3	_____
FLOR 102B Introduction to Floral Design	3	_____
FLOR 106B Permanent Botanicals	3	_____
FLOR 202B Tributes and Traditions	3	_____
FLOR 204B Traditional Weddings	3	_____
FLOR 208B Creativity and Competition	3	_____
FLOR 220B Events and Display	3	_____
FLOR 295B Floral Careers Internship	3	_____
IS 101 Introduction to Information Systems	3	_____
MGT 103 Introduction to Small Business Management	3	_____
PHO 170 Beginning Photography	3	_____
Plus 6 credits from the following:		
FLOR 108B Event Balloon Sculptures	1.5	_____
FLOR 115B Mega-Department Practices	3	_____
FLOR 206B Beginning Ikebana	3	_____
FLOR 224B Techniques and Mechanics	1.5	_____
FLOR 225B Color and Product Mix	1.5	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

FLORDT-AAS

61
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This program is designed to provide quality education to those seeking to begin a career or further their career in the food service industry. The program consists of course work in food and beverage management, culinary arts and general education which enable students to obtain the necessary knowledge and skills to be successful in the work environment.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate proficiency in the operation of a Restaurant.
- Demonstrate proficiency in food service sanitation and nutrition by passing the prescribed National Restaurant Association exams.
- Learn the basic functions of a professional Kitchen.
- Demonstrate a basic understanding of commercial food and beverage purchasing.
- Demonstrate proficiency in the use and application of food service math.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 115B, 124	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (39 Credits):

	CR	SEMESTER
ACC 201 Financial Accounting	3	_____
CUL 110 Basic Cookery	4	_____
FAB 102 Food Service Sanitation II	2	_____
FAB 112 Restaurant Management I	3	_____
FAB 160 Hospitality Purchasing	3	_____
FAB 167 Food Service Nutrition	2	_____
FAB 210 Fundamentals of Food and Beverage Control	3	_____
FAB 230 Menu Planning	3	_____
FAB 272 Liquor and Bar Management	3	_____
FAB 285 Catering Management	3	_____
FAB 295 Work Experience in Food Service	1	_____
HMD 101 Introduction to the Hospitality Industry	3	_____
HMD 235 Hotel, Restaurant and Gaming Law	3	_____
HMD 259 Human Resources Management in the Hospitality Industry	3	_____

FAB-AAS 64
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This program trains people to use digital tools for employment in design and creative production. Although a degree is not necessary for initial employment, students who complete an AAS degree have a good chance for employment that is profitable.

Students will learn concepts and approaches to technology necessary for lifelong learning. This degree is directed toward designing, producing, and assembling digital assets into professional communications and deliverables.

A graphic designer may design identity and collateral materials (like logos, brochures, advertising materials) or layouts for print publications. Both the web designer and the multimedia designer create graphics and presentations (some interactive) targeted viewing on a screen. The animation designer creates both 2D and 3D assets and presentations.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate communication, critical thinking, design, technological and production skills dealing with producing creative work destined for the print, screen, and/or the Web.
- Produce vector and bitmap content and presentations using Adobe software.
- Develop a customized professional portfolio of his or her work.
- Demonstrate basic design, illustration, topography, and layout skills in a particular Concentration.
- Use a variety of techniques and applications to render graphics in 2D and 3D presentations.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

Continued from previous column.

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
GRC 156B Computer Illustration I	3	_____
GRC 183B Electronic Imaging I	3	_____
GRC 294B Portfolio Workshop	3	_____

Select a GRC Concentration from the list below (12 Credits):

FOR ANIMATION DESIGN:

GRC 158 Cartooning	3	_____
GRC 185 Computer Animation I	3	_____
GRC 188 Web Animation and Interactivity I	3	_____
GRC 288B Web Animation and Interactivity II	3	_____

FOR GRAPHIC DESIGN:

GRC 104 Layout and Typography Fundamentals	3	_____
GRC 140 Print Production with InDesign	3	_____
GRC 207 Electronic Design	3	_____
GRC 278B Electronic Prepress	3	_____

FOR MULTIMEDIA DESIGN:

GRC 179 Multimedia Design and Production I	3	_____
GRC 188 Web Animation and Interactivity I	3	_____
GRC 279B Multimedia Design and Production II	3	_____
PHO 214 Videography and Film I	3	_____

FOR WEB DESIGN:

GRC 175B Web Design and Publishing I	3	_____
GRC 188 Web Animation and Interactivity I	3	_____
GRC 275B Web Design and Publishing II	3	_____
GRC 276B Web Design and Publishing III	3	_____

Plus 6 credits or any 2 courses from the following:

ART 101 Drawing I	3	_____
CIT 151 Beginning Web Development	3	_____
CIT 152 Web Script Language Programming	3	_____
PHO 170 Beginning Photography	3	_____
PHO 214 Videography and Film I	3	_____
PHO 220B Video Digital Editing	3	_____

Any course with GRC prefix 3-6 _____

SPECIAL PROGRAM REQUIREMENTS (42 Credits):

	CR	SEMESTER
GRC 101 Introduction to Graphic Communications	3	_____
GRC 103 Introduction to Computer Graphics	3	_____
GRC 107 Design Fundamentals	3	_____
GRC 110 Rendering and Illustration	3	_____
GRC 119 Computer Graphics/Digital Media	3	_____

Continued in next column.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

GRC-AAS

67
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Health Information Technology program is an Associate of Applied Science. The program is fully accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM) which is located at 233 N. Michigan Ave., Chicago, IL 60601-5800, (312) 233-1131. Upon successful completion of the program, graduates are eligible to apply to the national registry exam for the certification as a Registered Health Information Technician (RHIT). The program is limited entry so students must attend a Health Sciences Orientation and meet with a program advisor. The HIT program combines academic courses on campus with professional practice experiences at clinical affiliate sites. Health information is used in every aspect of health care planning and delivery. A patient's health record contains vitally important information that must be analyzed, coded, stored, and protected. The health record serves as a means of communication among all members of the health care team, including physicians, nurses, laboratory technicians, therapists and many others. The documentation comes from the hospital stay, emergency room visits, outpatient clinic visits, physician's office encounters, nursing home, or home care program. Such documentation assists in ensuring continuity of care and protects the financial and legal interests of the patient, health care facility, and responsible practitioner caring for the patient.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Verify timeliness, completeness, accuracy, and appropriateness of data and data sources.
- Conduct qualitative analysis to ensure documentation in the health record supports the diagnosis, and reflects the progress, clinical findings and discharge status.
- Assist in the facility's billing processes and validate coding accuracy.
- Assign diagnosis and procedure codes using ICD and CPT/HCPCS.
- Abstract records for department indices/databases/registries.

GENERAL EDUCATION REQUIREMENTS (24 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 104B or above (except MATH 122, 123)	3	_____
SCIENCE: HHP 123B, 124B	5	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: PHIL 102	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101	4	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

SPECIAL PROGRAM REQUIREMENTS (44 Credits):

	CR	SEMESTER
COT 127B Microsoft Office for Offices	3	_____
HIT 105B Healthcare Delivery Systems	2	_____
HIT 106B Healthcare Reimbursement	2	_____
HIT 118B Language of Medicine	3	_____
HIT 119B Introduction to Pharmacology and Laboratory Tests	2	_____
HIT 130B Procedural Terminology	1	_____
HIT 165B Pathophysiology	4	_____
HIT 170B Healthcare Computer Applications	3	_____
HIT 180B Introduction to Health Information Management	2	_____
HIT 184B Introduction to ICD Coding	2	_____
HIT 185B Introduction to CPT Coding	3	_____
HIT 187B Introduction to ICD-PCS Coding	2	_____
HIT 201B Advanced Coding Systems	3	_____
HIT 205B Privacy, Legal, and Ethical Issues in Healthcare	2	_____
HIT 206B Professional Practice Experience I	3	_____
HIT 207B Health Information Management	2	_____
HIT 240B Healthcare Statistics and Research	1	_____
HIT 245B Healthcare Quality Management	2	_____

Plus 2 credits from the following:

HIT 208B Professional Practice Experience II	2	_____
HIT 299B Selected Topics in Health Information Technology	2	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

HIT-AAS

68
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree provides students the opportunity to seek employment in an entry-level supervisory position, or for those already in the hotel industry, an opportunity for professional growth and career advancement.

This program is accredited by the Accreditation Commission for Programs in Hospitality Administration (ACPHA), P.O. Box 400, Oxford, MD 21654, telephone: (410) 226-5527, e-mails: aoc@shore.intercom.net or acpha@atlanticbb.net.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Understand the nature and scope of the hospitality industry.
- Demonstrate proficiency in hotel operations in the areas of front office and housekeeping.
- Demonstrate a proficiency in food service sanitation and operations.
- Understand the various service delivery systems used in the hospitality industry.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 102, 114	3	_____
ENGLISH: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 115B, 124	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
ACC 201 Financial Accounting	3	_____
FAB 102 Food Service Sanitation II	2	_____
HMD 101 Introduction to the Hospitality Industry	3	_____
HMD 202 Housekeeping Operations	3	_____
HMD 203 Front-Office Operations	3	_____
HMD 226 Industry Computer Applications for Hospitality and Tourism	3	_____
HMD 235 Hotel, Restaurant and Gaming Law	3	_____
HMD 253 Hospitality Services Management	3	_____
HMD 259 Human Resources Management in the Hospitality Industry	3	_____
HMD 295 Work Experience in Lodging Operations	1	_____
TCA 180 Hotel, Restaurant and Casino Marketing	3	_____
TCA 201 Hospitality Career Development	3	_____
TCA 221 Hospitality Accounting I	3	_____

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree prepares students for careers in advertising, retail sales and marketing. The program includes a comprehensive exposure to marketing principles and business related issues.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Explain current marketing, merchandising and retail management theories and how they apply to organizational settings.
- Apply marketing and merchandising strategies to real-life retail settings.
- Explain the characteristics of marketing and merchandising plans used in retail establishments.
- Demonstrate the latest techniques and trends in marketing and merchandising practices.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
BUS 101 Introduction to Business	3	_____
MKT 111 Introduction to Merchandising	3	_____
MKT 127 Introduction to Retailing	3	_____
MKT 132 Sales Management	3	_____
MKT 210 Marketing Principles	3	_____
MKT 211 Introduction to Professional Sales	3	_____
MKT 262 Introduction to Advertising	3	_____
Plus 6 credits from the following:		
MKT 123 Sales Promotion	3	_____
MKT 125 Introduction to Fashion Merchandising	3	_____
MKT 250 Introduction to International Marketing	3	_____
Plus 9 credits from the following:		
BUS 107 Business Speech Communication	3	_____
BUS 273 Business Law I	3	_____
COM 101 Oral Communication	3	_____
ECON 102 Principles of Microeconomics	3	_____
ECON 103 Principles of Macroeconomics	3	_____
ECON 261 Principles of Statistics I	3	_____
IS 101 Introduction to Information Systems	3	_____
MGT 103 Introduction to Small Business Management	3	_____
MKT 261 Introduction to Public Relations	3	_____
SOC 225 Media and Society	3	_____

MKT-AAS **61** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Medical Laboratory Technician (MLT) is an important member of the health care team in hospitals, clinics, medical research and teaching centers and is an indispensable participant with physicians in providing critical diagnostic information. The MLT functions as a dependable, ambitious and highly motivated professional capable of handling high stress situations with ease and confidence.

The MLT performs diagnostic laboratory procedures using state-of-the-art instrumentation to aid in the detection, diagnosis and treatment of disease; monitors the standards of accuracy and precision in the performance of tests; performs routine preventive maintenance and troubleshoots instrument problems; and participates in research and evaluation of new procedures.

The Medical Laboratory Technology program is a two year program. It combines academic and laboratory courses on campus with practical experience at clinical affiliates. This program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences (NAACLS), 5600 N. River Road, Suite 720, Rosemont, IL 60018-5119, (847) 939-3597. Students successfully completing the program are eligible to take the National Certification examination.

Upon successful completion of the above, the student may apply to the State of Nevada for the required license as a Medical Technician.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate comprehension of concepts and techniques in all major clinical laboratory disciplines.
- Demonstrate the skills and abilities necessary to secure employment as a medical laboratory technician.
- Demonstrate the knowledge, skills, and abilities to successfully pass the national certification examination.

GENERAL EDUCATION REQUIREMENTS (31 Credits):

SPECIAL PROGRAM REQUIREMENTS (35 Credits):

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS: ENG 102, 114	3-5	_____	CLS 151 Phlebotomy	2	_____
ENGLISH: ENG 100, 101, 113	3-5	_____	CLS 152 Applied Phlebotomy	2	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____	CLS 153 Phlebotomy Clinical Practicum	2	_____
MATHEMATICS: MATH 124 or above	3	_____	CLS 161 Urinalysis and Body Fluids	1	_____
SCIENCE: BIOL 189 or 196 and CHEM 110, 111 or CHEM 121, 122	12	_____	CLS 162 Applied Urinalysis and Body Fluids	1	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____	CLS 241 Clinical Chemistry I	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	CLS 242 Applied Clinical Chemistry I	2	_____
			CLS 251 Immunology/ Immunoematology I	2	_____
			CLS 252 Applied Immunology/ Immunoematology I	2	_____
			CLS 265 Laboratory Operations I	1	_____
			CLS 271 Clinical Microbiology I	3	_____
			CLS 272 Applied Clinical Microbiology I	2	_____
			CLS 291 Hematology I	2	_____
			CLS 292 Applied Hematology I	2	_____
			CLS 294 Clinical Practicum I	2	_____
			CLS 295 Clinical Practicum II	2	_____
			CLS 296 Clinical Practicum III	4	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

MLTECH-AAS **66** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree provides the academic knowledge and skill competencies needed by paraprofessionals in mental health services, developmental services and closely-related human services. The degree offers the option for a student to prepare as a Direct Support Professional and/or front-line supervisor of Direct Support Professionals. The special program courses in the degree are infused with the Community Support Skill Standards (a set of nationally validated competencies for community human service practitioners) and an established set of ethical guidelines for Direct Support Professionals. The courses are competency based and provide the opportunity for development of on the job skills.

Direct Support Professionals (DSPs) provide guidance and support to people who need help to be self-sufficient. DSPs provide this support to a wide range of individuals including people with physical, psychiatric, or cognitive disabilities or chronic illness; children and youth who are at risk; and families who need assistance in supporting family members. DSPs are found in many human service settings with various job titles, such as Residential Counselor, Employment Specialist, Job Coach, Service Coordinator, Mental Health Technician, Developmental Support Technician and Personal Support Assistant. These jobs share similar requirements and approaches including the ability to teach life skills, provide physical assistance, and to support the empowerment, choices and self-direction of the individual receiving supports. It is estimated that there are over 2 million Americans working in these roles. Job growth in this profession is estimated to be above average in the future.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Qualify or obtain employment in direct support services delivery or supervision for persons with physical and/or mental disabilities.
- Successfully demonstrate the knowledge and skills required of a direct support professional or supervisor in accordance with current professional standards.
- Successfully apply the knowledge, skills, and ethical standards of a direct support professional or supervisor in an applied human services setting.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 104B, 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL., CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (35 Credits):

	CR	SEMESTER
MHDD 101 Role of the Technician	1	_____
MHDD 105 Conflict Prevention and Response Training	2	_____
MHDD 107 Medication Fundamentals	2	_____
MHDD 109 Introduction to Therapeutic Interventions	2	_____

Continued in next column.

Continued from previous column.

	CR	SEMESTER
MHDD 126 Understanding Developmental Disabilities	2	_____
MHDD 127 Positive Behavior Supports	2	_____
MHDD 150 Issues in Substance Abuse	1	_____
MHDD 153 Life Span Development	1	_____
MHDD 154 Advanced Therapeutic Interventions	2	_____
MHDD 160 Understanding Mental Illness	2	_____
MHDD 299 Capstone Project	3	_____
PSY 101 General Psychology	3	_____
PSY 241 Introduction to Abnormal Psychology	3	_____

Plus 9 credits from the following concentration of choice:

FOR MENTAL HEALTH/DEVELOPMENTAL SERVICES:

CPD 117 Introduction to Counseling	3	_____
HMS 130 Human Sexuality	3	_____
MHDD 102 Medical Component	1	_____
MHDD 103 Psychopathology and Developmental Disabilities	1	_____
MHDD 106 Teaching and Active Treatment	1	_____
MHDD 110 Introduction to Disability Services	3	_____
MHDD 130 Teaching Life Skills	3	_____
MHDD 152 Allied Therapies	1	_____
MHDD 210 Autism Spectrum Disorders	3	_____
MHDD 291B Fieldwork Experience	3	_____
MHDD 295 Practicum	3	_____

FOR SUPERVISORY SERVICES:

MGT 201 Principles of Management	3	_____
MGT 212 Leadership and Human Relations	3	_____
MGT 283 Personnel Administration	3	_____
MGT 286B Personnel Interviewing	3	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

MHD-AAS

60
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Registered Nurse is an important member of the health care team; an indispensable participant within the medical community who provides total patient care; and a dependable, responsible, motivated professional capable of handling high stress situations with ease and confidence.

The Registered Nurse provides care using the nursing process; works within the guidelines of the Nevada Nurse Practice Act to give care, support and education to patients so that they can recover and stay well, works in hospitals, nursing homes, rehabilitation centers, home health, community agencies, medical facilities which offer acute and long term care, wellness centers, clinics and drug centers, monitors the physical and mental status of patients; gives medication and records the patients' reactions, symptoms and progress; and directs Practical and Nursing Assistants in a variety of health care settings. There are extensive job opportunities and potential in career advancement for graduates of the degree program.

Graduates of this program are eligible to sit for the NCLEX-RN exam for state licensure. Courses in the two-year degree can be applied toward the requirements for a Bachelor of Science in Nursing at a four year institution. The program has full approval status by the Nevada State Board of Nursing, 2500 West Sahara, Suite 207, Las Vegas, NV 89102, (702) 486-5800, and is accredited by the National League for Nursing Accrediting Commission, Inc., 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326 (404) 975-5000.

A limited entry program; students must attend a health programs orientation and meet with a health programs advisor for additional counseling.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the ability to apply principles of the physiological, psychological, socio-cultural and spiritual concepts when providing safe and competent nursing care for clients at various stages in their life span.
- Demonstrate the ability to apply the nursing process and critical thinking to assist individuals and families to enhance and maintain adaptive behaviors that promote optimal health, quality of life, and death with dignity.
- Demonstrate the ability to empower and support individuals and families through caring behaviors.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101, 215	3	_____
ENGLISH: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: PSY 101	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: BIOL 189, 223, 224, 251	16	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: SOC 101	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
NURS 101 Introduction to Professional Nursing Practice	6	_____
NURS 115 Medical-Surgical Nursing I	6.5	_____
NURS 125B Pharmacology for Nursing Practice	2	_____
NURS 208 Professional Topics: Management Concepts and Transition into Professional Practice	2	_____
NURS 211 Medical-Surgical Nursing II	4.5	_____
NURS 243 Mental Health Nursing	4.5	_____
NURS 247 Maternal-Newborn Nursing	4.5	_____
NURS 248 Pediatric Nursing	4.5	_____
NURS 296 Nursing Management and Preceptorship	2.5	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

NUR-AAS

72
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This program is designed for practicing License Practical Nurses who wish to prepare to licensure as a professional nurse. The program awards credits for PN program courses and Nevada LPN licensure.

Courses within the two year degree can be applied towards the requirements for a Bachelor of Science in Nursing degree at a four year institution. The program has full approval status by the Nevada State Board of Nursing, 2500 West Sahara, Suite 207, Las Vegas, NV 89102 (702) 486-5800, and is accredited by the National League for Nursing Accrediting Commission, Inc., 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326 (404) 975-5000.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the ability to apply principles of the physiological, psychological, socio-cultural and spiritual concepts when providing safe and competent nursing care for clients at various stages in their life span.
- Demonstrate the ability to apply the nursing process and critical thinking to assist individuals and families to enhance and maintain adaptive behaviors that promote optimal health, quality of life, and death with dignity.
- Demonstrate the ability to empower and support individuals and families through caring behaviors.

GENERAL EDUCATION REQUIREMENTS (35 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101, 215	3	_____
ENGLISH: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: PSY 101	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: BIOL 189, 223, 224, 251	16	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: SOC 101	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
Practical Nursing Program courses and Nevada LPN Licensure.	8	_____
NURS 125B Pharmacology for Nursing Practice	2	_____
NURS 205 Introduction to Associate Degree Nursing	4.5	_____
NURS 208 Professional Topics: Management Concepts and Transition into Professional Practice	2	_____
NURS 211 Medical-Surgical Nursing II	4.5	_____
NURS 243 Mental Health Nursing	4.5	_____
NURS 247 Maternal-Newborn Nursing	4.5	_____
NURS 248 Pediatric Nursing	4.5	_____
NURS 296 Nursing Management and Preceptorship	2.5	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

NURRN-AAS

72
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Ophthalmic Technology Program prepares graduates to be professional manufacturing and dispensing opticians. The program consists of systematic instruction and experience in all aspects of the work in the profession. The program includes instruction and laboratory training in: contact lens skills, eyewear dispensing skills, lens finishing techniques, lens surfacing techniques, as well as sales techniques, basic business operations and communications. Instruction and practice in low vision aids, physician assisting skills, and ocular prosthetics are also covered.

Graduates of the program are prepared to take the American Board of Opticianry and the National Contact Lens Examiners certification examinations.

Graduates are also prepared to take the Nevada Board of dispensing Opticians licensing examination.

Graduates of the program can gain employment as manufacturing opticians, dispensing opticians, entry level management positions in vision care, as well as open their own independent vision care facility.

A limited entry program; students must attend a health programs orientation and meet with a health programs advisor for additional counseling.

Accrediting Agency: Commission on Opticianry Accreditation, P.O. Box 3073, Merrifield, VA 22116, (703) 940-9134.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the ability to analyze the prescriptive and lifestyle needs of a patient and make appropriate recommendations for optical devices.
- Demonstrate the ability to perform all the daily tasks of a laboratory and dispensing optician in a competent manner.
- Demonstrate the competencies necessary to pass the ABO, NCLE, and Nevada State Board of Dispensing Opticians licensing examinations.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

SPECIAL PROGRAM REQUIREMENTS (46 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 100B or higher (excluding MATH 122, 123)	3	_____
SCIENCE: BIOL 101, BIOL 189 or HHP 123B and 124B Plus 3 or 4 credits from science requirements: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
OPHT 102B Introduction to Contact Lenses	3	_____
OPHT 105B Introduction to Contact Lens Lab	1	_____
OPHT 112B Anatomy and Physiology of the Eye and Related Structures	3	_____
OPHT 121B Ophthalmic Optics I	5	_____
OPHT 123B Ophthalmic Optics II	5	_____
OPHT 155B Geometric Optics	3	_____
OPHT 201B Ophthalmic Dispensing I	5	_____
OPHT 202B Contact Lenses I	3	_____
OPHT 203B Contact Lenses II	1	_____
OPHT 220B Theory of Refractometry	3	_____
OPHT 223B Ophthalmic Dispensing II	5	_____
OPHT 232B Opticianry Management Sales	3	_____
OPHT 260B Introduction to Low Vision	1	_____
OPHT 291B Clinical Applications III	3	_____
OPHT 299B Certificate Review	2	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

OPHT-AAS

73
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree program provides a strong theoretical background and applied practices needed to manage a landscape site utilizing best management practices. In addition it affords students the opportunity to concentrate in one of four specialty fields or to design a program of study that meets their individual interests or occupational needs.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge and ability to select landscape ornamentals that are well suited to site conditions, limitations and plant use.
- For Floral Design students demonstrate knowledge and skills required to create floral arrangements to meet client requirements.
- For Landscape Construction/Contracting students demonstrate knowledge and skills to interpret plans, operate equipment and complete landscape installations at an intermediate level.
- For Landscape Design students demonstrate knowledge and skills required to develop and create landscape designs and details to meet client requirements at an intermediate level.
- For Landscape Management students demonstrate knowledge and skills required to evaluate site conditions, evaluate plant health and implement best management practices to meet client requirements at an intermediate level.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 215	3	_____
ENGLISH: ENG 107	3	_____
HUMAN RELATIONS: ALS 101, HIST 210, 247, MGT 100B, 283, PHIL 135, PSC 201, PSY101, 102	3	_____
MATHEMATICS: MATH 116 or above (except MATH 122, 123)	3	_____
SCIENCE: BIOL 100, 120, 189, 196, 197, 202, CHEM 103, 105, 106, 110, 111, 121, 122	6-8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (42 Credits):

	CR	SEMESTER
IS 101 Introduction to Information Management Systems	3	_____
LAND 257 Ornamental Plant Materials	3	_____
LAND 258 Xeric Plant Materials	3	_____
MGT 101 Small Business Management	3	_____
or ACC 201 Financial Accounting		
OH 100B Horticulture Fundamentals	1	_____
OH 105 Soils and Plant Nutrition	3	_____
OH 110B Plant Science	3	_____
OH 295B Horticulture Careers Internship	3	_____
or FLOR 295B Floral Careers Internship		

Continued in next column.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

Continued from previous column.

	CR	SEMESTER
FOR FLORAL DESIGN:		
FLOR 102B Introduction to Floral Design	3	_____
FLOR 106B Permanent Botanicals	3	_____
FLOR 202B Tributes and Traditions	3	_____
FLOR 204B Traditional Weddings	3	_____
FLOR 206B Beginning Ikebana	3	_____
FLOR 208B Creativity and Competition	3	_____
FLOR 220B Events and Display	3	_____

FOR LANDSCAPE CONSTRUCTION/CONTRACTING:

LAND 180 Fundamentals of Landscape Architectural Design I	3	_____
OH 107B Landscape Materials	3	_____
OH 114B Irrigation Systems	3	_____
OH 150B Landscape Equipment Survey	2	_____
OH 207 Landscape Construction	4	_____
OH 211B Irrigation Management	2	_____
OH 212B Landscape Budgeting and Estimating	3	_____

FOR LANDSCAPE DESIGN:

ADT 100B Introduction to Drafting Theory	3	_____
LAND 180 Fundamentals of Landscape Architectural Design I	3	_____
LAND 182 Fundamentals of Landscape Architectural Design II	3	_____
LAND 241 Grading and Drainage	3	_____
LAND 242 Irrigation	3	_____
LAND 262 CAD for Landscape Architecture	3	_____
OH 107B Landscape Materials	3	_____

FOR LANDSCAPE MANAGEMENT:

OH 111 Turfgrass Fundamentals	3	_____
OH 112 Turfgrass Management	3	_____
OH 114B Irrigation Systems	3	_____
OH 140B Annual Color Concepts	2	_____
OH 203 Introduction to Plant Pathology and Landscape Pests	3	_____
OH 209 Arboriculture	4	_____
OH 211B Irrigation Management	2	_____
OH 223 Integrated Pest Management	3	_____

OH-AAS **67** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associates of Applied Science Degree in Paralegal Studies is a program of study which qualifies its graduates to be employed in law and business related occupations, including private law firms, corporate departments and government entities. Substantive law is combined with thorough preparation in legal procedures, research methodology and practical knowledge. Elective course offerings will permit students to specialize in particular areas of interest. The Paralegal Studies Program provides the foundation for students to think critically and act ethically in accordance with the local and national rules of professional conduct. Graduates of this program will be prepared to perform high quality legal work under the direction of an attorney. The program encourages graduates to continue educational pursuits and seek community service opportunities.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate ability to manage cases and draft legal documents by applying written skills and knowledge of legal procedures in civil litigation and other substantive areas of law.
- Identify ethical issues and be able to apply the rules of professional conduct through synthesis and analysis.
- Demonstrate knowledge of research methodology by applying critical thinking initiatives to various information formats including computerized and traditional library research.
- Proficient use of word processing software and ability to identify and adapt to different types of law office technology and computer applications.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

SPECIAL PROGRAM REQUIREMENTS (38 Credits):

	CR	SEMESTER			CR	SEMESTER
COMMUNICATIONS: COM 101	3	_____	IS 101	Introduction to Information Systems	3	_____
ENGLISH: ENG 100, 101, 113	3-5	_____	LAW 101	Fundamentals of Law I	3	_____
HUMAN RELATIONS: HIST 105, 106, 107, 150, 151, 210, 247, 260, PSC 201, PSY, SOC	3	_____	LAW 231	Civil Procedure	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____	LAW 234	Civil Procedure II	3	_____
SCIENCE: AST, BIOL, CHEM, ENV, GEOG 103, 104, 117, GEOL, PHYS	6	_____	LAW 253	Law Office Management	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, THTR, WMST 113	3	_____	LAW 259	Legal Writing	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	LAW 261	Legal Research I	4	_____
			LAW 262	Legal Research II	4	_____
			LAW 263	Ethics	3	_____
			Plus 9 credits from the following:			
			LAW 204	Torts	3	_____
			LAW 205	Contracts	3	_____
			LAW 232	Criminal Procedure	3	_____
			LAW 250	Administrative Law	3	_____
			LAW 251	Bankruptcy	3	_____
			LAW 252	Family Law	3	_____
			LAW 255	Probate Procedures	3	_____
			LAW 258	Constitutional Law	3	_____
			LAW 264	Civil Evidence	3	_____
			LAW 295	Supervised Field Experience	3	_____
			RE 103	Real Estate Law and Practice	3	_____

ASSOCIATE OF APPLIED SCIENCE

LAW-AAS **63** Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The objective of this degree is to train students with the necessary cognitive, psychomotor, and affective behaviors to provide advanced life support in the prehospital setting and to provide the necessary coursework to be licensed in the State of Nevada and nationally certified. This limited entry program offers a comprehensive and in-depth study of advanced life support skills which include pharmacology, advanced airway management procedures and skills, ECG interpretation and electrical therapy. Associate degree recipients may see improved opportunity for managerial, clinical or educational advancement after sufficient field experience is obtained. The Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee of Educational Programs for the Emergency Medical Services Professions (CoA-EMSP).

Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756, (727) 210-2350.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate competencies necessary to pass the National Registry certification cognitive and psychomotor examination.
- Demonstrate proficiency with all technical skills as relative to providing emergency medical care and transportation to critical and emergent patients as necessary to successfully complete all aspects of the field internship.
- Demonstrate the ability to understand, apply, and evaluate the clinical information necessary for managing and transporting acute medical and traumatic patients as relative to the role of an entry-level Paramedic.
- Demonstrate professional attitudes and ethical behaviors consistent with the expectations of area employers and the local, medical community.
- Demonstrate the skills and abilities to seek opportunities for managerial, clinical, or educational advancement after sufficient field experience is obtained.

GENERAL EDUCATION REQUIREMENTS (24 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 104B or above (except MATH 122, 123)	3	_____
SCIENCE: HHP 123B, 124B	5	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101	4-6	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

SPECIAL PROGRAM REQUIREMENTS (41 Credits):

	CR	SEMESTER
EMS 125B Pharmacology for Paramedics	3	_____
EMS 127B Paramedic Clinical Practice I	2	_____
EMS 129B Paramedic Fundamentals	3	_____
EMS 130B Paramedic Assessment I	1	_____
EMS 145B Essentials of Paramedic Medicine	3	_____
EMS 165B Pathophysiology for Paramedics	3	_____
EMS 166B Paramedic Technology	4	_____
EMS 167B Paramedic Clinical Practice II	2	_____
EMS 168B Electrophysiology/ Electrocardiography	3	_____
EMS 169B Advanced Cardiac Life Support (ACLS)	1	_____
EMS 171B Prehospital Trauma Life Support (PHTLS)	1	_____
EMS 172B Vehicle Extrication for Paramedics	2	_____
EMS 173B Paramedic Field Internship	3	_____
EMS 176B Pediatrics for Paramedics	4	_____
EMS 185B Advanced Emergency Care	3	_____
EMS 202B Advanced ECG Interpretation	1	_____
EMS 230B Paramedic Assessment II	1	_____
HIT 117B Medical Terminology I	1	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

EMS-AAS

65
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

This degree is a quality, professionally oriented program for students wishing to enter and/or advance in the field of baking and pastry arts. Students are taught to master the fundamentals and techniques of baking and pastry arts with emphasis on hands-on preparation of breads, cakes, pastries, desserts, chocolate and sugar art.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate proficiency in food service sanitation and nutrition.
- Demonstrate basic cooking skills including product identification, knife skills, cold food production and cooking skills.
- Demonstrate basic baking skills including production of breads, quick breads, puff pastry, pies, and additional baking skills.
- Produce a variety of decorated restaurant cakes.
- Demonstrate plating techniques for individual restaurant hot and cold dessert preparations.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

SPECIAL PROGRAM REQUIREMENTS (45 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 115B, 124	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
CUL 110 Basic Cookery	4	_____
CUL 125 Principles of Baking	3	_____
CUL 135 Breads of the World	3	_____
CUL 175 Cake Design	3	_____
CUL 215 Plated Desserts	3	_____
CUL 225 Advanced Baking	3	_____
CUL 230 Pastry Arts	3	_____
CUL 255B Retail Bakery Management	3	_____
CUL 260 Introduction to Chocolate	3	_____
CUL 265 Introduction to Sugar Arts	3	_____
CUL 280B Principles of Quantity Baking	3	_____
CUL 295 Work Experience in Culinary Arts	1	_____
FAB 102 Food Service Sanitation II	2	_____
FAB 160 Hospitality Purchasing	3	_____
FAB 167 Food Service Nutrition	2	_____
HMD 101 Introduction to the Hospitality Industry	3	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

CULPAS-AAS

70
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Photography program offers instruction in commercial photographic skills and creative photographic processes. Beginning and intermediate photographic processes and skills are addressed. Advanced instruction in photographic lighting, photographic commercial illustration, photojournalism, color lab technologies and portraiture is provided.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate mastery of film and digital camera systems both inside and outside the studio to produce commercially viable images.
- Use supplemental lighting systems and controls to make effective images.
- Understand and produce commercial images in the areas of Portraiture, Weddings, Sports, Editorial, Product, Forensic, and Photojournalism.
- Process images using Photoshop, and produce prints using digital printers.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 102, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 104B or above	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (40 Credits):

	CR	SEMESTER
GRC 103 Introduction to Computer Graphics	3	_____
PHO 170 Beginning Photography	3	_____
PHO 175 Intermediate Photography	3	_____
PHO 195 Photographic Lighting	4	_____
PHO 208B Introduction to Large Format Photography	3	_____
PHO 225 Photographic Commercial/Illustration I	4	_____
PHO 235 Photographic Portraiture I	4	_____
PHO 240B Digital Photographic Imaging	3	_____
PHO 260B Photographic Business Practices	3	_____
Plus 10 credits from the following:		
PHO or up to 6 credits from GRC	10	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

PHOTO-AAS

65
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The CSN Videography and Film Program is a hands-on digital program that stresses traditional film grammar and the creative documentary. Courses address basic and intermediate film making techniques using digital video equipment. Other topics include cameras usage, production planning, script writing, lighting, directing and digital editing with commercial applications. With the AAS degree, students can choose a path leading them to either film school matriculation or directly into the world of videographic movie making.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Students will operate a digital camera and light meter and apply concepts of photographic composition and creative expression to pictures.
- Students will create shot lists to shoot basic video sequences, operate a video camera and digital editing equipment, and assemble basic sequences into short movies.
- Students will develop creative story concepts and script ideas and create professional standard scripts.
- Identify story elements, script, produce, light, direct and edit a short documentary movie.
- Develop a professional portfolio and prepare for further academic work.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

SPECIAL PROGRAM REQUIREMENTS (39 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 102, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 115B, 124	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

	CR	SEMESTER
PHO 150B Movies and Media	3	_____
PHO 151B Film Directing Styles	3	_____
PHO 170 Beginning Photography	3	_____
PHO 214 Videography and Film I	3	_____
PHO 216 Videography and Film II	3	_____
PHO 218B Film Screenwriting I	3	_____
PHO 220B Video Digital Editing	3	_____
PHO 223B Documentary Film Production I	3	_____
PHO 244B Lighting for Video and Film	3	_____
PHO 290B Video Portfolio	3	_____
Plus 9 credits from the following:		
PHO 152B World Cinema	3	_____
PHO 153B Independent Filmmaking	3	_____
PHO 157B Cinematography I	3	_____
PHO 215 Rock Video Production	3	_____
PHO 219B Film Screenwriting II	3	_____
PHO 221B Advanced Digital Editing	3	_____
PHO 224B Final Cut Pro Bootcamp	1	_____
PHO 226B Documentary Film Production II	3	_____
PHO 227B DVD Studio Bootcamp	1	_____
PHO 228B Motion Bootcamp	1	_____
PHO 245B Video Lighting and Grip	3	_____
PHO 257B Cinematography II	3	_____
THTR 105 Introduction to Acting I	3	_____
or Any course with GRC prefix		

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. PHOTVIDAAS

64
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

Upon successful completion of the program, students will receive the AAS degree in Physical Therapist Assistant. This entitles the graduate to take the national licensure examination. Successful passing of this examination and completion of the state licensure requirements will allow the graduate to function as a licensed physical therapist assistant (PTA). The program integrates classroom and laboratory experiences into a structurally sound curriculum that develops the competencies required to function as a safe, ethical and competent PTA. Students are required to complete three full time clinical education affiliation experiences in hospitals and clinics affiliated with the program. Requirements for participation in these clinical education experiences include having: 1) current CPR and First Aid cards; 2) a current personal health insurance policy; 3) a yearly negative TB test; 4) the appropriate immunizations; 5) a satisfactory physical examination; and 6) an appropriate drug and alcohol screen. The program is a limited entry program and students considering applying to the program MUST attend a health programs orientation and meet with a health programs advisor for additional counseling. The program is accredited by the Commission on Accreditation in Physical Therapy Education which is located at 1111 North Fairfax St., Alexandria, VA 22314, (800) 999-2782.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate competencies necessary to successfully complete the national licensure examination.
- Demonstrate the skills and abilities necessary for employment as a PTA.
- Demonstrate competencies necessary in clinical settings.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: PT 122	3	_____
MATHEMATICS: MATH 116, 120, 124 or above	3	_____
SCIENCE: HHP 123B, 124B and PT 105 or BIOL 223, 224 and PT 105	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: PSY 101, 102, 233, 241, 261, PHIL 102, 244	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (47 Credits):

	CR	SEMESTER
PT 100 Introduction to Physical Therapy	3	_____
PT 110 Principles of Kinesiology	2	_____
PT 111 Problems in Kinesiology	2	_____
PT 117 Fundamental Principles for the Physical Therapist Assistant	2	_____
PT 118 Fundamental Procedures for the Physical Therapist Assistant	2	_____
PT 120 Observation and Measurement Principles for the Physical Therapist Assistant	2	_____
PT 121 Observation and Measurement Procedures	2	_____
PT 125 Principles of Physical Agents	2	_____
PT 126 Physical Agent Procedures and Practices	2	_____
PT 130 Administration in Physical Therapy	2	_____
PT 134 Clinical Affiliation I	2	_____
PT 225 Therapeutic Principles for Musculoskeletal Pathologies	3	_____
PT 226 Therapeutic Procedures for Musculoskeletal Pathologies	2	_____
PT 238 Pathophysiology I	3	_____
PT 240 Orthotic and Prosthetic Considerations in Patient Care	1	_____
PT 244 Clinical Affiliation II	2	_____
PT 248 Pathophysiology II	3	_____
PT 250 Therapeutic Principles for Cardiopulmonary Pathologies	2	_____
PT 251 Therapeutic Procedures for Cardiopulmonary Pathologies	1	_____
PT 254 Therapeutic Principles for Neuromuscular Pathologies	3	_____
PT 255 Therapeutic Procedures for Neuromuscular Pathologies	2	_____
PT 256 Clinical Affiliation III	2	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

PT-AAS **72**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Radiation Therapy Associate of Applied Science degree program prepares graduates to work with the radiation oncologist in delivering daily doses of ionizing radiation for cancer treatment. Graduates are eligible to sit for the National exam for the American Registry of Radiologic Technologist Certification in Radiation Therapy.

A limited entry program; students must attend a health programs orientation and meet with the health programs advisor for additional counseling.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the ability to pass the ARRT national accreditation examination.
- Demonstrate basic knowledge of what cancer is and how cancer is treated.
- Demonstrate competency in the operation of linear accelerator and performance of emergency procedures.
- Demonstrate the ability to pursue opportunities in management after sufficient clinical experience has been earned.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 111B, 116 or above (except MATH 122, 123)	3	_____
SCIENCE: BIOL 223, 224	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (55 Credits):

	CR	SEMESTER
EGG 131 Technical Physics or Physics with a lab	4	_____
RDTP 101B Introduction to Radiation Therapy	2	_____

Continued in next column.

This is a limited-entry program. Some of these courses are program prerequisites and **MUST** be completed before a student is considered eligible for entry into the Program. Students **MUST** attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. RADTHR-AAS

Continued from previous column.

	CR	SEMESTER
RDTP 102B Methodologies I	2	_____
RDTP 103B Introduction to Oncology	1	_____
RDTP 105B Principles and Practice of Radiation Therapy	2	_____
RDTP 115B Caring for the Patient at the End of Life	1	_____
RDTP 125B Radiographic Process	2	_____
RDTP 150B Introduction to Radiation Physics	2	_____
RDTP 180B Radiobiology	3	_____
RDTP 202B Radiotherapy Physics	3	_____
RDTP 210B Treatment Planning I	3	_____
RDTP 211B Radiographic Analysis	2	_____
RDTP 212B Cross Sectional, Topographic and Radiological Anatomy	2	_____
RDTP 213B Radiation Oncology	3	_____
RDTP 214B Methodologies II	2	_____
RDTP 215B Treatment Planning II	3	_____
RDTP 216B Methodologies III	2	_____
RDTP 219B Advanced Radiation Therapy Techniques	2	_____
RDTP 220B Treatment Planning Lab	1	_____
RDTP 221B Ethics/Law/Professionalism	2	_____
RDTP 229B Radiation Therapy Board Review	1	_____
RDTP 230B Clinical Applications I	1	_____
RDTP 231B Clinical Applications II	1	_____
RDTP 232B Clinical Practicum III	3	_____
RDTP 233B Clinical Practicum IV	1	_____
RDTP 234B Clinical Practicum V	4	_____

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Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associate of Applied Science Degree in Real Estate provides the graduate with knowledge and skills to make intelligent decisions in the acquisition, ownership and disposition of real estate. The degree provides entry-level proficiency for real estate salesmen, brokers, property managers and appraisers. The program also provides enrichment for escrow officers, loan officers, building contractors and land developers.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Explain real estate listing practices and how they apply to the real estate market in general.
- Apply negotiation strategies to real-life professional situations involving real estate transactions.
- Explain the purpose of a standard real estate appraisal and the practices by which it is used.
- Demonstrate ability to complete real estate transactions in accordance with local, state, and Federal guidelines.
- Demonstrate ability to obtain an official real estate license required to practice in the capacity of real estate agent.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 102, 114, 205, JOUR 102, THTR 105	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
BUS 101 Introduction to Business	3	_____
FT 125 Building Construction for Fire Protection	3	_____
IS 101 Introduction to Information Systems	3	_____
MKT 210 or RE 102B Marketing Principles Real Estate Math	3	_____
RE 101 Real Estate Principles	3	_____
RE 103 Real Estate Law and Practice	3	_____
RE 199 Real Estate Investments	3	_____
RE 201B Real Estate Brokerage	3	_____
RE 202 Real Estate Financing and Insurance	3	_____
RE 203B Tax Aspects of Real Property Transactions	3	_____
RE 205B Real Property Management	3	_____
RE 206 Real Estate Appraising	3	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

RE-AAS

61
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Surgical Technologist functions as a member of the surgical team anticipating the needs of the surgeon, passing instruments and providing sterile items in an efficient manner. This program provides graduates with the knowledge and technical skills to obtain entry level employment in hospitals, outpatient surgery centers, clinics, urgent care facilities, and private surgeon's offices. Students receive a balanced education in both theory and clinical practice.

The Surgical Technology Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Accreditation Review Council on Education in Surgical Technology and Surgical Assisting (ARC/STSA). Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756, (727) 210-2350.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the highest level of surgical conscience in the operating room.
- Demonstrate the ability to function as part of the health care profession.
- Demonstrate entry level competencies necessary for employment.
- Demonstrate competencies necessary to prepare for the Surgical Technology National Certifying Examination.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

SPECIAL PROGRAM REQUIREMENTS (34.5 Credits):

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS: COM 101	3	_____	CLS 125B Microbiology for Surgical Technicians	2	_____
ENGLISH: ENG 100, 101, 113	3-5	_____	CLS 126B Applied Microbiology for Surgical Technicians	1	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____	HIT 117B Medical Terminology I	1	_____
MATHEMATICS: MATH 104B, 120 or above (except MATH 122, 123)	3	_____	SRGT 101B Introduction to Surgery Technology	1	_____
SCIENCE: BIOL 223, 224	8	_____	SRGT 103B Pharmacology for the Surgical Technologist	2	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____	SRGT 105B Surgical Interventions I	5	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	SRGT 106B Surgical Fundamentals I	3	_____
			SRGT 108B Central Services Practicum	0.5	_____
			SRGT 114B Principles and Practices of Surgical Technology I	3	_____
			SRGT 204B Principles and Practices of Surgical Technology II	3	_____
			SRGT 205B Surgical Interventions II	5	_____
			SRGT 206B Surgical Fundamentals II	3	_____
			SRGT 207B Clinical Practicum I	3	_____
			SRGT 210B Clinical Practicum II	2	_____

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

SURG-AAS

61.5
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Tourism, Convention and Event Planning degree is designed to provide exciting career opportunities, and produce professionals who want to work in the Tourism, Convention and Event Planning industries.

Students will be prepared to enter management training positions and, for those presently employed, to assume managerial responsibility.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the criteria of different types of events and how they relate to tourism in a project.
- Create a meeting/event from inception to completion using the components of tourism.
- Demonstrate good oral and written communication skills in working with clients, colleagues and vendors around the world.
- Enhance customer service and relationship skills in a multicultural and global society.

GENERAL EDUCATION REQUIREMENTS (22 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 104B, 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (39 Credits):

	CR	SEMESTER
FAB 285 Catering Management	3	_____
HMD 101 Introduction to the Hospitality Industry	3	_____
TCA 110 Introduction to the Convention Industry	3	_____
TCA 141 Travel and Tourism I	3	_____
TCA 188 Special Events Planning	3	_____
TCA 241 Travel and Tourism II	3	_____
TCA 251 Tourism and Convention Externship	3	_____
TCA 289 Introduction to Corporate Meetings and Events	3	_____
Plus 15 credits from the following:		
TCA 100B Concierge Management - Business Operations and Customer Service	3	_____
TCA 101B Concierge Software Applications and Operations	3	_____
TCA 183 Conference and Convention Planning	3	_____
TCA 190 Introduction to Destination Marketing	3	_____
TCA 200 Airlines Reservations	3	_____
TCA 222 Wedding Planning	3	_____
TCA 225 Introduction to International Tourism	3	_____
TCA 276 Introduction to Trade Show Operations	3	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. TRVTCEPAAS

61
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

Veterinary Technology (VETT) prepares students with knowledge and skills necessary to provide general veterinary nursing care and technical assistance in the varied disciplines found in the practice of veterinary medicine and surgery. These include nurse anesthetist, operating room technician, radiology technician, dental hygienist, medical laboratory technician, as well as clinical and practice management. The program is recognized by the Nevada State Board of Veterinary Medical Examiners and is fully accredited by the American Veterinary Medical Association (AVMA) Committee on Veterinary Technician Education and Activities (CVTEA), 1931 N. Meacham Rd., Suite 100, Schaumburg, IL 60173, (800) 248-2862. Students that complete the program are qualified to sit for state and national licensing examinations and enter into practice as a licensed veterinary technician. The Veterinary Technology Program has entered into a unique agreement with the Western Veterinary Conference that allows educational opportunities to augment the student's learning experience. This agreement also makes available nationally and internationally recognized Doctors of Veterinary Medicine that act as visiting instructors in many disciplines.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Demonstrate competencies necessary to pass the national and state board examinations for veterinary technicians.
- Demonstrate entry level competency as a veterinary technician.
- Demonstrate skills and abilities to pursue managerial opportunities after obtaining sufficient clinical experience.

GENERAL EDUCATION REQUIREMENTS (27 Credits):

SPECIAL PROGRAM REQUIREMENTS (47 Credits):

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____	VETT 101B Introduction to Animal Health Technology	1	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____	VETT 105B Veterinary Medical Terminology	1	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____	VETT 110B Clinical Anatomy and Physiology I	4	_____
MATHEMATICS: MATH 104B, 116, 120 or above (except MATH 122, 123)	3	_____	VETT 112B Clinical Anatomy and Physiology II	4	_____
SCIENCE: BIOL 189, 251	8	_____	VETT 125B Veterinary Office and Clinical Procedures	2	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____	VETT 127B Basic Animal Nursing	4	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____	VETT 203B Veterinary Clinical/ General Pathology	4	_____
			VETT 205B Diagnostic Imaging	2	_____
			VETT 208B Lab Animal Science and Exotics	2	_____
			VETT 209B Parasitology	1	_____
			VETT 211B Animal Nutrition	2	_____
			VETT 225B Pharmacology and Toxicology	2	_____
			VETT 227B Advanced Animal Nursing	4	_____
			VETT 230B Principles of Asepsis	1	_____
			VETT 235B Surgical, Anesthesia and Dental Procedures	4	_____
			VETT 240B Large Animal Procedures	2	_____
			VETT 250B Critical Care/ER	3	_____
			VETT 260B Directed Clinical Practice I	2	_____
			VETT 265B Directed Clinical Practice II	2	_____

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

VETT-AAS

74
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

ASSOCIATE OF APPLIED SCIENCE DEGREE (AAS)

The Associate of Applied Science – AWS Advanced Level Welder Emphasis provides students with the skills and knowledge necessary for successful employment as advanced level welders in welding and related metal working industries.

A continuation of the COA requirements, students will receive additional instruction in advanced SMAW and GTAW, pipe welding, welding codes and fabrication.

Upon completion of the AAS degree requirements, students may certify as AWS Advanced Level Welders.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate proper safety practices during welding operations.
- Read and interpret blueprints.
- Cut, prepare and fabricate parts from blueprints and drawings.
- Set-up, maintain and perform minor repairs to welding and associated equipment.
- Perform satisfactory welds in all positions.

GENERAL EDUCATION REQUIREMENTS (25 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____
MATHEMATICS: MATH 120 or above (except MATH 122, 123)	3	_____
SCIENCE: AST, BIOL, CHEM, EGG 131, 132, ENV, GEOG 103, 104, 117, GEOL, HHP 123B, 124B, PHYS	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES: AM, ANTH, ART, COM, ECON, ENG 223 or above, GEOG 106 or above, HIST, International Languages, Music, PHIL, PSC, PSY, SOC, THTR, WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS: PSC 101 or HIST 101 and HIST 102 or HIST 101 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (41 Credits):

	CR	SEMESTER
IS 101 Introduction to Information Systems	3	_____
MT 102B Fundamentals of Electricity	4	_____
WELD 115B Welding Inspection and Testing Principles	3	_____
WELD 131B Blueprint Reading, Layout, and Sketching	3	_____
WELD 132B Oxy/Fuel, Plasma, and Carbon Arc-Air Cutting Operations	2	_____
WELD 133B SMAW (Stick)	4	_____
WELD 134B GTAW (TIG)	4	_____
WELD 135B GMAW (Mig)	2	_____
WELD 137B FCAW (Flux Core)	2	_____
WELD 154B D1.1 Structural Welding Code	3	_____
WELD 214B Fabrication Layout	3	_____
WELD 218B Pipe Welding Procedures	4	_____
WELD 240B Advanced GTAW	4	_____

ASSOCIATE OF APPLIED SCIENCE

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. WELDADVASS

66
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.



CERTIFICATE OF ACHIEVEMENT

The Air Conditioning Technology Program is an 18-month course of study that prepares students to install, maintain, service, troubleshoot and repair residential heating and cooling systems. Additionally, this program includes commercial refrigeration, allowing the student to learn how to maintain, troubleshoot and repair walk-in freezers, ice machines, ice cream machines and other related machinery. Instruction includes classroom, laboratory and actual in-the-field hands-on course work.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Perform the basic tasks of a Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) technician in a residential and light commercial environment.
- Read and interpret electrical schematics; troubleshoot and diagnose mechanical and electrical problems using methods and equipment appropriate to this industry.
- Utilize currently accepted EPA rules, techniques, and regulations in the performance of HVAC/R duties; observe proper safety practices when working with high- and low-voltage electricity, and when working with refrigerants under pressure.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115, ENG 100, 101, 107, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (41 Credits):

	CR	SEMESTER
AC 102B Introduction to HVAC Electrical Theory and Application	5	_____
AC 103B Introduction to HVAC Mechanical Theory and Application	5	_____
AC 106B Residential Gas Heating	5	_____
AC 110B Intermediate HVAC Electrical Theory and Application	5	_____
AC 111B Heat Pumps	5	_____
AC 115B Troubleshooting	5	_____
AC 200B Commercial Refrigeration I	5	_____

Plus 6 credits from the following

AC 114B Heat Load and Duct Design	5	_____
AC 116B Copper Fundamentals	1	_____
AC 119B Professionals in Customer Service	1.5	_____
AC 120B Air Conditioning Duct Work Fabrication	3	_____
AC 202B Commercial Refrigeration II	5	_____
AC 210B Boiler Operation and Maintenance	3	_____
AC 221B Gas Heat Pump Technology I	5	_____
CADD 100 Introduction to Computer Aided Drafting	3	_____
CONS 120B Printreading and Specifications	3	_____
IS 101 Introduction to Information Systems	3	_____

Computation included in AC 102B

Human Relations included AC 103B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

AC-CT

44
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This program prepares students for entry level careers as maintenance and light repair technicians. Students completing this Certificate will be able to repair battery, starting, charging and electrical system malfunctions, brake, steering, suspension and air conditioning systems, and perform engine mechanical diagnosis and maintenance related engine service. Students will be knowledgeable and proficient in safe operating procedures in the lab, in the use of hand and power tools, DVOM's scan tools, electronic service information systems, and in general knowledge of the automotive industry. Students will be knowledgeable in special maintenance techniques relating to alternative fueled and hybrid electric vehicles. Students will also be qualified to obtain a Nevada Class 1G smog inspector licensure.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- The student will understand, identify and implement safe working procedures and successfully pass the SP/2 examinations.
- The student will obtain a Nevada Class 1G smog certification.
- The student will successfully pass the ASE/NATEF End of Program (EOP) exams or the ASE Certification exams in the following areas: Electrical, Engine Repair, Brakes, Suspension, Heating and Air Conditioning.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (31 Credits):

	CR	SEMESTER
AUTO 105B Automotive Maintenance I	4	_____
AUTO 115B Automotive Electricity and Electronics I	4	_____
AUTO 117B Advanced Automotive Electronics	4	_____
AUTO 136B Engine Repair	5	_____
AUTO 145B Automotive Brakes	4	_____
AUTO 155B Steering and Suspension	4	_____
AUTO 165B Automotive Heating and Air Conditioning	4	_____
AUTO 240B Nevada 1G Emission Inspection Preparation	2	_____

Computation included in AUTO 115B

Human Relations included in AUTO 115B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. AUTOMAINCT

34
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This Certificate program prepares students for entry level careers as engine performance diagnostic technicians. Completion will prepare the student to be knowledgeable and proficient in safe operational procedures, use of hand and power tools, and use of lab and advanced diagnostic equipment including DVOM's, scan tools, digital storage oscilloscopes, electronic service information, as well as having a basic knowledge of the automotive industry as a whole. Students will perform diagnosis and repair of electrical systems including battery, starting and charging; engine related service procedures, driveability diagnosis, and diagnosis of vehicle computer network systems and body control computers. Student will be knowledgeable in alternative fueled vehicle service techniques as related to the driveability area. Students will also be prepared to obtain a State of Nevada Class 1G smog inspector license.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- The student will understand, identify and implement safe working procedures.
- The student will obtain a Nevada Class 1G smog certification.
- The student will successfully pass the ASE/NATEF End of Program (EOP) exams or the ASE Certification exams in the following areas: Electrical, Engine Repair, Engine Performance.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (31 Credits):

	CR	SEMESTER
AUTO 105B Automotive Maintenance I	4	_____
AUTO 115B Automotive Electricity and Electronics I	4	_____
AUTO 117B Advanced Automotive Electronics	4	_____
AUTO 136B Engine Repair	5	_____
AUTO 225B Engine Performance I	4	_____
AUTO 227B Engine Performance II	4	_____
AUTO 235B Engine Performance III	4	_____
AUTO 240B Nevada 1G Emission Inspection Preparation	2	_____

Computation included in AUTO 115B

Human Relations included in AUTO 115B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. AUTODIAGCT

34
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This program prepares students for entry level careers as heavy-line repair technicians. Students completing this Certificate will be able to diagnose, remove, disassemble, repair and/or replace and reassemble manual and automatic transmissions, transaxles, differential, clutches, transfer and axle units. Additionally, students will be able to perform engine mechanical diagnosis, disassembly/reassembly and other engine related heavy service. Students will be knowledgeable and proficient in safe operating procedures in the lab, in the use of hand and power tools, DVOM's, scan tools, electronic service information systems, and in general knowledge of automotive industry.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- The student will understand, identify and implement safe working procedures and successfully pass the SP/2 examinations.
- The student will successfully pass the ASE/NATEF End of Program (EOP) exams or the ASE Certification exams in the following areas: Electrical, Engine Repair, Manual Transmissions, Automatic Transmissions.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (30 Credits):

	CR	SEMESTER
AUTO 105B Automotive Maintenance I	4	_____
AUTO 115B Automotive Electricity and Electronics I	4	_____
AUTO 117B Advanced Automotive Electronics	4	_____
AUTO 136B Engine Repair	5	_____
AUTO 205B Manual Drivetrain and Axles	4	_____
AUTO 216B Automatic Transmissions	5	_____
AUTO 245B Powertrain Removal and Replacement	4	_____

Computation included in AUTO 115B

Human Relations included in AUTO 115B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. AUTOHVYLCT

33
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Bookkeeping provides students with the necessary skills for entry level positions such as accounts receivable or payable clerk, general secretary/bookkeeper, part-time bookkeeper and payroll clerk.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the skills necessary to obtain employment in the bookkeeping field.
- Demonstrate computer knowledge related to the most popular software in accounting.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 107, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
ACC 135B Bookkeeping I	3	_____
ACC 201 Financial Accounting	3	_____
ACC 220 Microcomputer Accounting Systems	3	_____
BUS 101 Introduction to Business	3	_____
BUS 106B Business English	3	_____
or		
BUS 108 Business Letters and Reports		
BUS 109B Business Mathematics	3	_____
COT 101B Computer Keyboarding I	3	_____
IS 101 Introduction to Information Systems	3	_____
ELECTIVE	3	_____

Computation included in ACC 201

Human Relations included in BUS 101

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ACCBOK-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Business Management provides students with the understanding and knowledge necessary for managing people and functions. Decision making for both private and public sector agencies is stressed in the program. Students will learn basic principles of management and human relations skills through various interactive course techniques and formats.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Explain current general business and management theories.
- Apply general business and management theories to real-life professional situations.
- Demonstrate preparation for entry-level business or management positions within profit and nonprofit organizations.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
ACC 201 Financial Accounting	3	_____
BUS 101 Introduction to Business	3	_____
BUS 273 Business Law I	3	_____
IS 101 Introduction to Information Systems	3	_____
MGT 100B Practical Human Relations for Business	3	_____
MGT 201 Principles of Management	3	_____
MGT 235 Organizational Behavior	3	_____
MGT 283 Introduction to Human Resources Management	3	_____
ELECTIVE	3	_____

Computation included in ACC 201

Human Relations included in MGT 100B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

BUSMGT-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This program provides students with the skills to plan, prepare and interpret construction documents. Students will develop these skills through board drafting with a high emphasis on using computer-aided design and drafting workstations. Instruction also includes office standards, ethics, equipment maintenance and production techniques. This degree is used as the basis for students entering civil engineering design, architectural design, electrical engineering design or mechanical design fields as well as for employment as CADD operators.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Perform tasks in operating a CADD workstation using industry standard software used in Southern Nevada.
- Produce Two- and Three-Dimensional construction documents using the drafting tools within the CAD software that will apply to their discipline.
- Utilize office standards, techniques, and procedures in the workplace.
- Demonstrate adequate knowledge of mathematics, communications skill and other core degree requirements. Graduates will be ready to be employed as an entry-level technician.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 107, 113, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
CADD 100 Introduction to Computer Aided Drafting	3	_____
CADD 105 Intermediate Computer Aided Drafting	3	_____
CADD 200 Advanced Computer Aided Drafting	4	_____
CADD 207 Descriptive Geometry	3	_____
CADD 210B CADD Project	4	_____
CADD 250 CAD Systems Management	3	_____

Plus 7 credits from the following:

ADT 201B Introduction to Building Information Modeling	3	_____
CADD 230B Civil Drafting I	4	_____
CADD 231B Civil Drafting II	4	_____
CONS 120B Printreading and Specifications	3	_____

Computation included in CADD 100

Human Relations included in CADD 250

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

CADD-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

Successful completion of this certificate program will provide students with an opportunity to seek employment in entry-level casino and gaming positions. For those currently employed in the industry, this certificate enhances opportunity for job advancement, professional growth and career mobility. Students will obtain a basic knowledge of casino games, as well as casino management, casino marketing, gaming regulations, gaming law and human relations in the casino industry.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate proficiency in dealing Table Games.
- Demonstrate proficiency in the operation of the Slots Department.
- Demonstrate proficiency in the Casino Cage.
- Demonstrate proficiency in the Casino Marketing Department.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS:	3-5	_____
BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105		

SPECIAL PROGRAM REQUIREMENTS (30 Credits):

	CR	SEMESTER
ACC 201 Financial Accounting	3	_____
GAM 106 Supervision of Casino Games	3	_____
GAM 108 Slots Management I	3	_____
GAM 204 Introduction to Casino Marketing	3	_____
GAM 206 Casino Surveillance	3	_____
GAM 210 Casino Customer Service	3	_____
GAM 225 Introduction to Gaming Management	3	_____
GAM 235 Gaming Laws and Regulations	3	_____
HMD 259 Human Resources Management in the Hospitality Industry	3	_____

Plus 3 credits from the following:

GAM 103 Casino Cage Operations	3	_____
GAM 109 Slots Management II	3	_____
GAM 119 Blackjack Dealing	3	_____
GAM 121 Craps Dealing	3	_____
GAM 122 Roulette Dealing	3	_____
GAM 123 Baccarat Dealing	3	_____
GAM 124 Poker Dealing	3	_____
GAM 126 Pai Gow Tiles Dealing	3	_____
GAM 131 Race and Sports Book Management	3	_____
GAM 207 Table Games Management	3	_____
GAM 208 Casino Business Strategy	3	_____
GAM 222 European Roulette Dealing	3	_____

Computation included in ACC 201

Human Relations included in HMD 259

GAMMGT-CT **33**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Collision Repair program is designed to prepare students as entry level collision repair technicians. Students will earn I-CAR (Industry Council for Automotive Repair) certification points in 26 different areas, including customer service, estimating, welding, plastics and paint and refinish. Successful students will become proficient in safe working procedures, structural and non-structural repairs, refinishing techniques and estimating.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- The student will understand, identify and implement safe working procedures and complete the DP/2 safety examinations with a passing score.
- The student will perform non-structural, structural, and paint and refinish operations.
- The student will complete the following I-CAR certifications: FCR-01, WKR-01, DAM-01, DAM-02, DAM-03, DAM-04, CPS-01, CUS-01, STS-01, TRM-01, REF-01, REF-02, WCS-01, WCS-03, WCS-04, WCS-05, MEA-01, SPS-01, SPS-02, EXT-01, SSS-01, SPS-03, REF-03, REF-04, PLA-01, and PLA-02.
- The student will successfully pass the ASE/NATEF EOP exams or the ASE Certification exams in the following areas: Painting and Refinishing (B2), Non-Structural Analysis and Damage Repair (B3), Structural Analysis and Damage Repair (B4).

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
ABDY 101B Collision Repair Fundamentals and Estimating	4	_____
ABDY 110B Paint and Refinish I	4	_____
ABDY 120B Non-Structural Welding	4	_____
ABDY 122B Non-Structural Body and Panel and Trim	4	_____
ABDY 150B Structural I	4	_____
ABDY 152B Structural II	4	_____
ABDY 180B Non Structural - Advanced Body Panel	4	_____
ABDY 220B Paint and Refinish II	4	_____
AUTO 105B Automotive Maintenance I	4	_____

Computation included in ABDY 101B

Human Relations included in ABDY 101B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

AUTOCO-CT

39
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Computer Office Technology provides individuals with the knowledge and skills necessary for office professionals. Courses include instruction in the latest computer office technology skills (using keyboard, voice, and handwriting computer input); software (including word processing, spreadsheets, databases and presentations); general and advanced office skills; and communication skills.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate computer input using a keyboard by touch, voice recognition software, or handwriting recognition software at a minimum of 30 wpm with 95% accuracy.
- Demonstrate computer input of various office-related documents (using methods listed above) in a word processing program with 95% accuracy.
- Demonstrate beginning and intermediate functions of a word processing program.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
ACC 135B Bookkeeping I or ACC 201 Financial Accounting	3	_____
BUS 106B Business English	3	_____
COT 102 Computer Keyboarding II	3	_____
COT 127B Microsoft Office for Offices	3	_____
COT 129B Records Management	3	_____
COT 200 Word Processing I	3	_____
COT 201B Word Processing II	3	_____
MGT 100B Practical Human Relations for Business	3	_____
Plus 3 credits from the following:		
CIT 206B MS Outlook Certification Preparation	2	_____
COT 103B Keyboard Review and Speed	1	_____
COT 108 Speedwriting Shorthand I	3	_____
COT 132B Outlook for Offices	1	_____
COT 205B Pads and Tabs – Office on the Go	3	_____
COT 206B Speech Recognition for Offices	3	_____
COT 208B Tablet Computer, Voice and Handwriting	1	_____
COT 209B Tablet Computer, Voice and Handwriting II	3	_____

Computation included in ACC 135B or ACC 201
Human Relations included in MGT 100B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

COT-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

Upon successful completion of this certificate program, students will have the skills necessary to investigate computer crime. It includes instruction in PC troubleshooting and repair, Microsoft operating systems and Cisco networking as well as specialized training in computer forensics, and digital crime investigation.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the process of acquiring and handling digital evidence including: the details of computer hard drive configuration and methods of hiding data; encryption methods and implementation methods for deciphering encrypted data; analysis of network traffic and the ability to differentiate between normal and malicious activity; the use of hardware and software tools used in computer and network forensics.
- Demonstrate how to set up investigator’s office and laboratory.
- Demonstrate how digital evidence is used in courtroom as well as the requirements for becoming an expert witness.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS:	3	_____
COM 115		

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
CF 117B Computer Forensics	3	_____
CF 118B Internet Forensics	3	_____
CF 124B Digital Crime Investigation	3	_____
CF 217B Advanced Computer Forensics	3	_____
CIT 110 A+ Hardware	3	_____
CIT 211 MCITP/MCTS Windows Workstation OS	3	_____
CIT 212 MCITP/MCTS Windows Server OS	3	_____
CSCO 120 CCNA Internetworking Fundamentals	4	_____
IS 100B Core Computing Competency	0-3	_____
or IS 101 Introduction to Information Systems		

Continued in next column.

Continued from previous column.

	CR	SEMESTER
Plus 0-2 elective credits from the following:		
CF 119B Introduction to Electronic Crime for Law Enforcement	3	_____
CIT 118B Network Security Management	3	_____
CIT 173 Introduction to Linux	3	_____
CIT 174 Linux System Administration	3	_____
CIT 213 MCITP/MCTS Network Infrastructure	3	_____
CIT 217 Security+	3	_____
CIT 290 Internship in CIT I	1-3	_____
CIT 291 Internship in CIT II	1-3	_____
CRJ 104 Introduction to Administration of Justice	3	_____
CRJ 164 Introduction to Criminal Investigation	3	_____
CSCO 121 CCNA Routing Protocols and Concepts	4	_____
CSCO 220 CCNA LAN Switching and Wireless Fundamentals	4	_____
CSCO 221 CCNA WAN Fundamentals	4	_____
CSCO 230B Fundamentals of Network Security	4	_____

Computation included in CF 118B

Human Relations included in CF 124B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

CITECI-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Concierge Management Certificate program is designed to provide students with the skills and knowledge needed to become a professional concierge. The curriculum is designed to teach students basic skill sets required for entry level positions as a Concierge.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge of Concierge Management Operations.
- Demonstrate ability to operate the fundamentals of Concierge software program.
- Demonstrate ability to communicate effectively with team members and guests.
- Demonstrate knowledge of human relations and customer service skills.
- Demonstrate knowledge of cultural awareness and diversity.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (30 Credits):

	CR	SEMESTER
FAB 271 Wine Appreciation	3	_____
HMD 203 Front-Office Operations	3	_____
TCA 100B Concierge Management - Business Operations and Customer Service	3	_____
TCA 101B Concierge Software Applications and Operations	3	_____
TCA 110 Introduction to the Convention Industry	3	_____
TCA 141 Travel and Tourism I	3	_____
TCA 200 Airlines Reservations	3	_____
TCA 241 Travel and Tourism II	3	_____
TCA 251 Tourism and Convention Externship	3	_____

Plus 3 credits from the following:

CHI 101B Conversational Chinese I	3	_____
FREN 101B Conversational French I	3	_____
GER 101B Conversational German I	3	_____
ITAL 101B Conversational Italian I	3	_____
JPN 101B Conversational Japanese I	3	_____
KOR 101B Conversational Korean I	3	_____
SPAN 101B Basics of Spanish I	3	_____

Computation included in TCA 100B

Human Relations included in TCA 141

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

HDMCON-CT

33
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This Certificate of Achievement builds the skills required to provide professional and quality workmanship in the construction industry. The core curriculum stresses the theory and application of rough and finish electrical, low-voltage, photovoltaic, plumbing, weatherization, or Exploratory depending on which trade the student chooses, for residential and commercial construction. Instruction includes classroom and laboratory course work.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Read construction prints, to include: site, foundation, floor and structural plans, sectional and detail views and electrical, low-voltage, or plumbing plans.
- Calculate electrical, low-voltage, photovoltaic, plumbing, or weatherization construction related formulas.
- Identify the equipment, material and/or systems necessary for any given residential or commercial electrical, low-voltage, photovoltaic, plumbing, or weatherization situation.
- Interpret electrical, low-voltage, photovoltaic, plumbing or weatherization building codes.
- Explain how to troubleshoot and repair problems that arise in electrical, low-voltage, photovoltaic, plumbing, or weatherization systems.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

Continued from previous column.

	CR	SEMESTER
COMMUNICATIONS:	3	_____
COM 115		

FOR PLUMBING:

	CR	SEMESTER
BTF5 110B Fire Sprinkler Theory and Applications 1	3	_____
BTP 115B Plumbing Theory and Applications 1	3	_____
BTP 120B Plumbing Theory and Applications 2	3	_____
BTP 130B Plumbing Theory and Applications 3	3	_____
BTP 210B Plumbing Theory and Applications 4	3	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
CONS 120B Printreading and Specifications	3	_____
MATH 104B Applied Mathematics or above (except MATH 111B, 115B, 122, 123)	3	_____
SCT 101B Fundamentals of Sustainability	3	_____
SCT 105B Sustainable Construction Materials	3	_____

FOR WEATHERIZATION:

	CR	SEMESTER
BTW 101B Basic Weatherization	4	_____
BTW 103B Blower Door and Combustion Appliance Safety	2	_____
BTW 105B Lead and Mold Safety	2	_____
BTW 201B Building Performance	4	_____
SCT 210B Sustainable Technology	3	_____

FOR ELECTRICAL:

BTE 116B Electrical Theory and Applications 1	3	_____
BTE 120B Electrical Theory and Applications 2	3	_____
BTE 130B Electrical Theory and Applications 3	3	_____
BTE 210B Electrical Theory and Applications 4	3	_____
BTPV 101B Photovoltaic Fundamentals	4	_____

FOR EXPLORATORY:

AC 101B Introduction to HVAC and Refrigeration	3	_____
BTE 116B Electrical Theory and Applications 1	3	_____
BTLV 110B Low-Voltage Theory and Applications 1	3	_____
BTP 115B Plumbing Theory and Applications 1	3	_____
BTPV 101B Photovoltaic Fundamentals	4	_____

FOR LOW-VOLTAGE TECHNOLOGY:

BTLV 110B Low-Voltage Theory and Applications 1	3	_____
BTLV 120B Low-Voltage Theory and Applications 2	4	_____
BTLV 130B Low-Voltage Theory and Applications 3	4	_____
BTLV 210B Low-Voltage Theory and Applications 4	5	_____

Computation included in MATH 104B

Human Relations included in SCT 105

FOR PHOTOVOLTAIC TECHNOLOGY:

BTE 116B Electrical Theory & Applications 1	3	_____
BTPV 101B Photovoltaic Fundamentals	4	_____
BTPV 102B Photovoltaic Design and Sales	4	_____
BTPV 201B Photovoltaic Onsite Training	4	_____

Continued in next column.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

CTBUTR-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This certificate is designed to prepare students to enter/or advance in the field of criminal justice. The program is an integration of both academic and practical curriculum.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Understand the four subsystems of the criminal justice network and the workings of these institutions in society.
- Explain the means by which institutions provide justice and how it is used to satisfy the needs of society.
- Understand correctional theories and concepts.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101, ENG 100, 101, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
CRJ 104 Introduction to Administration of Justice	3	_____
CRJ 106 Introduction to Corrections	3	_____
CRJ 120 Community Relations	3	_____
CRJ 130 Survey of Criminal Law	3	_____
CRJ 164 Introduction to Criminal Investigation	3	_____
CRJ 220 Criminal Procedures	3	_____
CRJ 270 Introduction to Criminology	3	_____

Plus 6 credits from the following:

Any course with CRJ prefix	6	_____
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Computation included in CRJ 164

Human Relations included in CRJ 120

CRJ-CT **30**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Criminal Justice with a Law Enforcement Training Academy (LETA) Emphasis prepares students for a career as a peace officer with Category I and II Nevada Law Enforcement Agencies. Students are awarded thirty credits in criminal justice, three credits in English and a Nevada POST Category I Certificate. The curriculum places a strong emphasis on Community Oriented Policing and Problem Solving (COP & PS). Testing methodology is structured for an active learning environment that will include written examinations, scenarios and case studies.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the basic fundamentals of academic course work as required by the Nevada Commission on Peace Officer’s Standards and Training (POST).
- Demonstrate proficiency in the operation of academic course work as required by the Nevada Commission on Peace Officer’s Standards and Training (POST).
- Demonstrate the proper firing techniques for firearms and use of force requirements for a Nevada Peace Officer.
- Participate in the use of defensive tactics techniques that are authorized by Nevada Law Enforcement agencies.
- Demonstrate physical activity necessary to pass the Nevada POST Physical Agility Test.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 107, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (33 Credits):

	CR	SEMESTER
CRJ 103 Communications Within the Criminal Justice Field	3	_____
CRJ 110B Introduction to Nevada Law Enforcement	3	_____
CRJ 111B Firearms I	3	_____
CRJ 114B Firearms II	2	_____
CRJ 167B Preliminary Investigation for Police Recruits	3	_____
CRJ 170B Physical Training for Law Enforcement	1	_____
CRJ 210B Community Policing in Southern Nevada	3	_____
CRJ 216B Police Patrol Tactics	3	_____
CRJ 219B Emergency Vehicle Operation and Control	3	_____
CRJ 221B Criminal Procedures for Law Enforcement	3	_____
CRJ 229B Defensive Tactics	3	_____
CRJ 233 Nevada Criminal Law	3	_____

Computation included in CRJ 167B

Human Relations included in CRJ 210B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

CRJLETA-CT

36
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Culinary Arts is a quality, professionally oriented program designed for students wishing to enter and/or advance in the field of culinary arts. Students are taught the fundamentals of cooking with emphasis on hands-on preparation of various cuisines, including Basic Cookery, Garde Manger, Aromatics, and Saucier.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate proficiency in food service sanitation and nutrition.
- Demonstrate basic cooking skills including product identification, knife skills, cold food production and cooking skills.
- Demonstrate the ability to identify and show proficiency in the use of many different herbs and spices.
- Produce commonly used stocks, the foundation sauces and a large compliment of secondary sauces.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
CUL 110 Basic Cookery	4	_____
CUL 130 Garde Manger	3	_____
CUL 200 Aromatics/Restaurant Experience	4	_____
CUL 250 Saucier	3	_____
CUL 295 Work Experience in Culinary Arts	1	_____
FAB 102 Food Service Sanitation II	2	_____
FAB 112 Restaurant Management I	3	_____
FAB 160 Hospitality Purchasing	3	_____
FAB 167 Food Service Nutrition	2	_____
HMD 101 Introduction to the Hospitality Industry	3	_____

Computation included in FAB 160

Human Relations included in HMD 101

CUL-CT **31**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

Successful completion of this program will enable students, who are not interested in becoming interpreters, to work in a variety of situations with the deaf community. Students will obtain a strong understanding of American Sign Language, as well as deaf culture and history of deafness. Students will be able to communicate with deaf family members, friends and co-workers. Students also have the option to enter the Associate of Applied Science program in Deaf Studies to further their skills and understanding.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate fluency in American Sign Language (ASL) demonstrated via spontaneous discourse with native and near-native ASL users.
- Demonstrate the ability to employ narrative skills in rehearsed ASL storytelling and personal account communication.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
AM 145 American Sign Language I	4	_____
AM 146 American Sign Language II	4	_____
AM 147 American Sign Language III	4	_____
AM 148 American Sign Language IV	4	_____
AM 149 American Sign Language V	4	_____
AM 151 Fingerspelling I	1	_____
AM 152 Fingerspelling II	1	_____
AM 153 Deaf Culture	3	_____
AM 154 Deaf History	3	_____

Computation included in AM 151

Human Relations included in AM 151

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The dental assisting program is a limited-entry program. The program is accredited by the American Dental Association’s Commission on Dental Accreditation, 211 East Chicago Avenue, Suite 1900, Chicago, Illinois 60611. The course is designed to prepare students for the national certification through the Dental Assisting National Board (DANB), 444 North Michigan Avenue, Suite 900, Chicago, Illinois 60611, (800) FOR-DANB. Students must successfully complete either ENG 100, 101, 107, or 113 with a C or above and may contact the Dental Assistant Program Director at 651-5851. Students must attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement. Dental assistants are primarily employed in private dental offices but may work in public clinics, hospitals and dental schools. The curriculum includes classroom and laboratory experience in dental sciences, dental materials, radiology, chairside assisting and dental office management. In the students last semester, the student will be placed in at least three clinical sites where they must complete 300 hours of clinical experience.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate current dental assistant practice and educational standards.
- Demonstrate competency to apply principles of the psychological and socio-cultural concepts to develop effective interpersonal skills necessary to provide supportive treatment to diverse populations of dental clients.
- Demonstrate competency to function as a member of the dental team by recognizing and recording general and oral conditions, providing preventive care and implementing current dental technology.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 107, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (29 Credits):

	CR	SEMESTER
DA 108B Introduction to Dental Assisting	2	_____
DA 115B Dental Health Education	1	_____
DA 118B Dental Materials for Dental Assistants	3	_____
DA 119B Dental Chairside Procedures	4	_____
DA 123B Practice Management and Procedures	3	_____
DA 124B Integrated Science for Dental Assistants	4	_____
DA 126B Clinical Externship	6	_____
DA 128B Dental Radiology	3	_____
DA 106B Radiation Protection for Dental Auxiliaries	1	_____
and		
DA 107B Intraoral Radiographic Technique	2	_____
DA 136B Dental Specialties	3	_____

Computation included in DA 123B

Human Relations included in DA 108B

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

DACLIN-CT

32
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Diesel/Heavy Equipment program prepares students to enter the workforce as technicians to maintain, diagnose, and repair heavy equipment. Students will learn diesel engine and propulsion systems, fuel management systems, related accessory components, as well as hydraulics, welding certifications, and HVAC certifications. All students will be prepared to take ASE certification exams at the completion of the appropriate course. Integral to this program is a paid internship component, allowing students to gain valuable work experience prior to completion of their program, making them more employable.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Prepare for employment in the Diesel Technology Industry as a Maintenance Technician.
- Successfully pass the AWS D1.1 mild steel horizontal welding certification.
- Successfully pass the IMACA refrigerant handling certification.
- Successfully pass the SP2 safety and pollution prevention certification.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3	_____

SPECIAL PROGRAM REQUIREMENTS (28) Credits:

	CR	SEMESTER
DT 104 Diesel Equipment Service	4	_____
DT 115 Diesel/Heavy Equipment Electrical Systems	4	_____
DT 136 Diesel Engine Repair I	4	_____
DT 165 Diesel/Heavy Equipment Heating and Air Conditioning	4	_____
DT 295 Internship Co-Op I	2	_____
DT 296 Internship Co-Op II	2	_____
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4	_____
MTL 223B Special Topics in Welding Technology	4	_____

Computation included in DT 115

Human Relations included in DT 295

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

DLS-CT

31
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Infant/Toddler Certificate in Early Childhood Education provides students with both the theoretical knowledge and practical skills training necessary for the care of infants and toddlers in family day care homes or child care centers. This certificate enables students to meet Nevada State licensing requirements for Infant Toddler Director.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the elements and dynamics of quality education and care for infants and toddlers.
- Demonstrate appropriate skills for providing quality education and care for infants and toddlers.
- Demonstrate appropriate skills in interacting with infants and toddlers and their families.

GENERAL EDUCATION REQUIREMENTS (9 Credits):

	CR	SEMESTER
COMMUNICATIONS: 3-5 credits from the following: BUS 108, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102 Plus 3 credits from the following: COM 101, 102, 215	6-8	_____
MATHEMATICS: MATH 104B or above	3	_____

SPECIAL PROGRAM REQUIREMENTS (32 Credits):

	CR	SEMESTER
ECE 121 Parent Caregiver Relationships	1	_____
ECE 122 Observation Skills	1	_____
ECE 123 Health and Nutrition for Young Children	1	_____
ECE 127 Role of Play for Infants and Toddlers	1	_____
ECE 130 Infancy	3	_____
ECE 134 Guiding Infant/Toddlers	1	_____
ECE 157 Art in the Preschool Curriculum	1	_____
ECE 200 The Exceptional Child	3	_____
ECE 202 Understanding Human Growth and Development	3	_____
ECE 204 Principles of Child Guidance	3	_____
ECE 232 Practicum: Infant and Toddler	4	_____
ECE 245 Practicum Seminar	2	_____
ECE 252 Infant/Toddler Curriculum	3	_____
ECE 260 Children's Literature	3	_____
ECE 285 Current Issues in Infancy	2	_____

Computation included in MATH 104B or above

Human Relations included in ECE 202

ECETOD-CT **41**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Preschool Education Certificate in Early Childhood Education provides students with both the theoretical knowledge and practical skills training necessary for students working in a preschool setting, family day care home or child care center. This certificate enables students to meet Nevada State licensing requirements for Preschool Director.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the elements and dynamics of quality education and care for young children.
- Demonstrate appropriate skills for providing quality education and care for young children.
- Demonstrate appropriate skills in interacting with young children and their families.

GENERAL EDUCATION REQUIREMENTS (9 Credits):

	CR	SEMESTER
COMMUNICATIONS: 3-5 credits from the following: BUS 108, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102 Plus 3 credits from the following: COM 101, 102, 215	6-8	_____
MATHEMATICS: MATH 104B or above	3	_____

SPECIAL PROGRAM REQUIREMENTS (33 Credits):

	CR	SEMESTER
ECE 121 Parent Caregiver Relationships	1	_____
ECE 122 Observation Skills	1	_____
ECE 123 Health and Nutrition for Young Children	1	_____
ECE 151 Math in the Preschool Curriculum	1	_____
ECE 152 Science in the Preschool Curriculum	1	_____
ECE 155 Literacy and the Young Child	1	_____
ECE 156 Music in the Preschool Curriculum	1	_____
ECE 157 Art in the Preschool Curriculum	1	_____
ECE 158 Activities for Physical Development in Young Children	1	_____
ECE 200 The Exceptional Child	3	_____
ECE 202 Understanding Human Growth and Development	3	_____
ECE 204 Principles of Child Guidance	3	_____
ECE 231 Preschool Practicum	4	_____
ECE 245 Practicum Seminar	2	_____
ECE 250 Introduction to Early Childhood Education	3	_____
ECE 251 Curriculum in Early Childhood Education	3	_____
ECE 260 Children's Literature	3	_____

Computation included in MATH 104B or above

Human Relations included in ECE 202

ECEPRE-CT **42**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

Upon successful completion of this certificate program, students will be prepared for an entry-level position providing support in industry. Instruction includes both analog and digital design and testing of electronic circuits, devices and systems, telecommunications and data-communications.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Develop a working knowledge of safety procedures, use of common hand tools, and proper fabrication techniques associated with the electronics environments, identify passive components, construct, and test various DC and AC circuits.
- Construct, analyze and test various types of digital circuits using Boolean expressions, Karnaugh maps and general purpose test equipment.
- Develop a working knowledge of microcomputers and microprocessors to include writing an assembly language program to output a sinusoidal wave, square wave, and triangular wave to an output port.
- Identify active analog components, design, construct, and test various DC and AC circuits using operational amplifiers construct a Bode Plot of an amplifier's frequency and phase response.
- Show positive work ethics and interpersonal skills in a group environment.

GENERAL EDUCATION REQUIREMENTS (6 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115, ENG 100, 101, 107, 113	3-5	_____
MATHEMATICS: MATH 111B	3	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
ET 104B Fabrication and Soldering Techniques	2	_____
ET 106B Test Equipment Operation	3	_____
ET 131B DC for Electronics	4	_____
ET 132B AC for Electronics	4	_____
ET 212B Digital Logic I	4	_____
ET 220B Solid State Devices and Circuits I	4	_____
ET 228B Data Acquisition	3	_____
ET 282B Microprocessors I	3	_____

Computation included in MATH 111B
Human Relations included in ET 131B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ETELEC-CT

33
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Engineering Technology, Industrial Emphasis is an 18-month program that provides students with classroom and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics and ferrous and non-ferrous material. The industrial emphasis focuses on those skills used in industrial settings. Courses include Industrial Electricity, Mechanical Power Transmission and Programmable Logic Controllers.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Show the knowledge and demonstrate the ability to select, test, set up, and maintain various electromechanical systems and machinery and perform basic system calculations.
- Demonstrate the ability to apply various troubleshooting techniques for the identification and correction of faults in electrical, mechanical, and fluid power systems.
- Assemble, operate, and maintain various electrical motor controllers, mechanical power transmission systems, and high pressure fluid power systems.
- Show the ability and skills to prepare technical reports and communicate the results through effective oral communications.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115, ENG 107	3	_____

SPECIAL PROGRAM REQUIREMENTS (29 Credits):

	CR	SEMESTER
CADD 100 Introduction to Computer Aided Drafting	3	_____
IS 100B Core Computing Competency or IS 101 Introduction to Information Systems	0-3	_____
MT 102B Fundamentals of Electricity	4	_____
MT 104B Industrial Electricity	4	_____
MT 106B Mechanical Power Transmission	4	_____
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4	_____
MT 110B Material Science I (Ferrous and Non-Ferrous)	4	_____
MT 115B Programmable Logic Controllers I	3	_____
MT 116B Programmable Logic Controllers II	3	_____

Computation included in MT 102B, 104B

Human Relations included in MT 115B, 116B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ETINDU-CT

32
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Engineering Technology, Operations Emphasis is an 18-month program that provides students with class room and laboratory experiences in electricity, mechanical power, pneumatics, hydraulics and ferrous and non-ferrous material. The Operations emphasis focuses on those skills used in operational settings. Courses include Industrial Electricity, Mechanical Power Transmission and Fluid Power.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the knowledge and ability to follow guidelines for safe operation and maintenance of various mechanical, electrical, and fluid power systems.
- Show the skills to design and operate basic electrical, mechanical, and fluid power systems and to use computer-based programmable logic controller devices to monitor their operation and performance.
- Employ the skills and knowledge to apply various troubleshooting techniques for identification and correction of faults in electrical circuits and mechanical and high pressure fluid power systems.
- Prepare technical reports and communicate the results through effective oral communications.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115, ENG 107	3	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
AC 103B Introduction to HVAC Mechanical Theory and Application	5	_____
CONS 120 Printreading and Specifications	3	_____
MT 102B Fundamentals of Electricity	4	_____
MT 104B Industrial Electricity	4	_____
MT 106B Mechanical Power Transmission	4	_____
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4	_____

Plus 3 credits from the following:

Any course with EGG, ET, MT prefix	3	_____
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Computation included in MT 102B

Human Relations included in MT 102B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ETOPER-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Engineering Technology, Power Utility Certificate of Achievement is an 18-month to two year program that prepares students for employment in Power Production. This program integrates two hands-on Co-Op/Internships in Operation, Electricity, and Hydro/Electricity that provide students with a wide-range of experiences. This program is presented in cooperation with the U.S. Bureau of Reclamation.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Identify the occupational positions available in the Power Utility and other power generating plants.
- Participate in an on-the-job training experience in a power generating plant or dam.
- Identify acceptable work performance standards.
- Develop positive attitudes towards work and service to others.

GENERAL EDUCATION REQUIREMENTS (6 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115, ENG 107	3	_____
MATH MATH 111B, 116, 124, 126, 127 or higher	3	_____

SPECIAL PROGRAM REQUIREMENTS (25 Credits):

	CR	SEMESTER
MT 102B Fundamentals of Electricity	4	_____
MT 104B Industrial Electricity	4	_____
MT 106B Mechanical Power Transmission	4	_____
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4	_____
MT 115B Programmable Logic Controllers I	3	_____

Plus at least 6 credits from the following:

FOR ELECTRICAL MAINTENANCE:

EGG 131 Technical Physics I	4	_____
ESH 207B Introduction to Safety Management	3	_____
ESH 240B Wastewater Treatment I	3	_____
ET 100B Survey of Electronics	3	_____
ET 104B Fabrication and Soldering Techniques	0.5-6	_____
ET 106B Test Equipment Operation	3	_____
MT 110B Material Science I (Ferrous and Non-Ferrous)	4	_____
MT 180B Co-Op/Internship First Semester	3	_____

Continued in next column.

Continued from previous column

	CR	SEMESTER
FOR MECHANICAL MAINTENANCE:		
EGG 131 Technical Physics I	4	_____
MT 110B Material Science I (Ferrous and Non-Ferrous)	4	_____
MT 180B Co-Op/Internship First Semester	3	_____
WELD 130B Welding Support Equipment Operations	3	_____
WELD 132B Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2	_____
WELD 133B SMAW (Stick)	4	_____
WELD 134B GTAW (Tig)	4	_____
FOR PLANT OPERATIONS:		
EGG 131 Technical Physics I	4	_____
EMA 101 Principles of Emergency Management	3	_____
EMA 102 Disaster Mitigation and Preparedness	3	_____
ESH 207B Introduction to Safety Management	3	_____
ET 100B Survey of Electronics	3	_____
ET 104B Fabrication and Soldering Techniques	0.5-6	_____
ET 106B Test Equipment Operation	3	_____
MT 110B Material Science I (Ferrous and Non-Ferrous)	4	_____
MT 180B Co-Op/Internship First Semester	3	_____

Computation included in MT 102B, 104B

Human Relations included in MT 106B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ETPWR-CT

31
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

Upon successful completion of this program, students will be prepared for an entry-level position in the gaming industry. This program integrates classroom experience with hands-on lab exercises and covers topics such as planning, design, troubleshooting and maintenance of various slot machines and related devices. Computers and networks used to support modern slot machine gaming are also covered.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Develop a working knowledge of the theory of operation of a typical electronics slot machine; a working knowledge of Pseudo Random Number Generators; a working knowledge of ROM, PROM, EPROM, EEPROM and RAM; a working knowledge of stepper motors.
- Describe the operation of peripheral devices; the external features of a slot machine; the coin-in coin-out assemblies; the modes of operation of the electronics slot machine.
- Identify electronic circuits and components used in slot machines.
- Develop a hands-on understanding of the installation of networks that support devices such as slot machines and computers.
- Demonstrate a working knowledge of personal computers and the embedded computers found in slot machines.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115, ENG 100, 101, 107, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
CIT 110 A+ Hardware	3	_____
CSCO 105B Fundamentals of Voice and Data Cabling	3	_____
ET 104B Fabrication and Soldering Techniques	2	_____
ET 106B Test Equipment Operation	3	_____
ET 131B DC for Electronics	4	_____
ET 138B Introduction to Slot Machine Technology	3	_____
ET 212B Digital Logic I	4	_____
ET 238B Device Peripherals	3	_____
MATH 111B Mathematics for Electronics Applications	3	_____

Computation included in MATH 111B

Human Relations included in CSCO 105B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ETSLOT-CT

31
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

Upon successful completion of this program, students will be prepared for an entry-level position in the telecommunications industry. Students will acquire the necessary skills required by the high-tech, high-wage telecommunications industry. This program integrates classroom experience with hands-on lab exercises. Computers and networks used to support modern telecommunications are also covered.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Construct, test, and verify the operation of various AC, DC, analog and digital circuits, demonstrate a working knowledge, fiber optics, electronics/telecommunications laboratory test equipment and perform a mechanical and fusion splice to specification.
- Explain the signaling specifications of the telephone set, subscriber loop interface and central office and distinguish between the various circuit and trunking types commonly employed in the Public Switched Telephone Network (PSTN).
- Develop positive work ethics and interpersonal skills in a group environment.
- Develop a hands-on understanding of the installation and operation of networks that support devices such as Voice over IP telephones and computers.
- Demonstrate a working knowledge of personal computers and the embedded computers found in telecommunications devices such as switches and routers.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115, ENG 100, 101,107, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (30 Credits):

	CR	SEMESTER
CIT 110 A+ Hardware	3	_____
CSCO 105B Fundamentals of Voice and Data Cabling	3	_____
CSCO 120 CCNA Internetworking Fundamentals	4	_____
CSCO 205B Fiber Optic Cabling	3	_____
ET 106B Test Equipment Operation	3	_____
ET 108B Telecommunications and the Information Age	3	_____
ET 131B DC for Electronics	4	_____
ET 132B AC for Electronics	4	_____
MATH 111B Mathematics for Electronics Applications	3	_____

Computation included in MATH 111B
Human Relations included in CSCO 105B, ET 132B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ETTELCO-CT

33
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Engineering Technology, Theatre Emphasis is an 18-month program that provides students with classroom and laboratory experience in electricity, mechanical power transmission, fluid power and related design activities in theater technology. The Theatre Technology emphasis focuses on those skills used in theater and entertainment environment. The graduates of the program will be qualified to assume technical positions in the theater technology field especially in the local area.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Obtain relevant up-to-date and applied knowledge and skills to set-up, maintain, upgrade and troubleshoot the equipment used in a theater environment.
- Demonstrate how to be effective in their technical roles as a theater technician.
- Show the necessary skills to design, assemble and operate various fluid power systems and perform basic system calculations.
- Develop skills through design and operation of mechanical power transmission systems and prepare technical reports and communicate the results through effective oral communications.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 115, ENG 100, 101, 107	3	_____

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
ADT 100B Introduction to Drafting Theory	3	_____
CADD 100 Introduction to Computer Aided Drafting	3	_____
ET 104B Fabrication and Soldering Techniques	2	_____
IS 100B Core Computing Competency or IS 101 Introduction to Information Systems	0-3	_____
MT 101B Introduction to Theater Technology	2	_____
MT 102B Fundamentals of Electricity	4	_____
MT 104B Industrial Electricity	4	_____
MT 106B Mechanical Power Transmission	4	_____
THTR 204 Theatre Technology I	3	_____
Plus 3 credits from the following:		
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4	_____
MT 183B Co-Op/Internship Third Semester	3	_____
THTR 214 Theatre Technology II	3	_____

Computation included in MT 102B, 104B
Human Relations included in MT 101B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ETTHTR-CT

31
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This Certificate program prepares students in the fast growing and lucrative Occupational Safety Management career field. Students learn to design, implement and manage an effective and proactive safety program that includes establishing goals, procedures and injury prevention policies. This Certificate program is the foundation program to prepare students for professional certifications including ASP (Associate Safety Professional), CSP (Certified Safety Professional), CHMM (Certified Hazardous Materials Manager), and CIH (Certified Industrial Hygienist).

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the fundamentals of the management of occupational health and safety and its impact on operational profit.
- Demonstrate an understanding of the various laws, regulations and guidelines that are applicable to the ESH arena, and how they drive occupational safety and health.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 107	3	_____

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
BI 101B Introduction to Building Codes	3	_____
ESH 130 Introduction to Hazardous Materials Management	3	_____
ESH 201 40 Hour Hazwoper Certification	3	_____
ESH 205 Transportation of Hazardous Materials	3	_____
ESH 207B Introduction to Safety Management	3	_____
ESH 208B Safety Management II	3	_____
ESH 211B Industrial Hygiene I	3	_____
ESH 212B Industrial Hygiene II	3	_____
ESH 213B Construction 500	3	_____
ESH 214B General Industry 501	3	_____
ESH 265B Safety Laws and Regulations	3	_____
FT 121 Fire Prevention	3	_____

Computation included in ESH 201
Human Relations included in ESH 130

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ESHOC-CT **39**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This Certificate of Achievement is an 18-month program that prepares students for a lucrative career in this area. Students learn to operate the machinery used in wastewater management plants where urban wastewater is treated for release back into the environment. Classes are generally held at the Clark County Sanitation District facilities.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the fundamentals of waste water treatment and related technologies.
- Demonstrate an understanding of the laws and regulations that apply to waste water treatment.
- Demonstrate an understanding of the various treatment methodologies and technologies applicable to waste water treatment.
- Demonstrate an understanding of pump operation and maintenance for waste water treatment operation.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 107	3	_____

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
ESH 202 Environmental Laws and Regulations	3	_____
ESH 240B Wastewater Treatment I	3	_____
ESH 241B Wastewater Treatment II	3	_____
ESH 242B Wastewater Treatment III	3	_____
ESH 246B Water/Wastewater Mathematics I	3	_____
ESH 247B Water/Wastewater Mathematics II	3	_____
ESH 248B Water Quality Analysis and Laboratory	4	_____
ESH 250B Pump Operation and Maintenance	3	_____
ESH 251B Current Issues	3	_____

Computation included in ESH 246B
Human Relations included in ESH 202

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ESHWW-CT

31
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Environmental Safety and Health, Water Treatment emphasis is an 18-month program that prepares students for a lucrative career in this area. Students learn how to maintain and operate plants that treat water supplies for urban areas. Classes are generally held at the Clark County Sanitation District.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate an understanding of the fundamentals of water treatment and related technologies.
- Demonstrate an understanding of the laws and regulations that apply to drinking water treatment.
- Demonstrate an understanding of the various treatment methodologies and technologies applicable to drinking water treatment.
- Demonstrate an understanding of pump operation and maintenance for drinking water treatment operation.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 107	3	_____

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
ESH 202 Environmental Laws and Regulations	3	_____
ESH 243B Water Treatment Plant Operations I	3	_____
ESH 244B Water Distribution I	3	_____
ESH 245B Water Treatment Plant Operations II	3	_____
ESH 246B Water/Wastewater Mathematics I	3	_____
ESH 247B Water/Wastewater Mathematics II	3	_____
ESH 248B Water Quality Analysis and Laboratory	4	_____
ESH 250B Pump Operation and Maintenance	3	_____
ESH 251B Current Issues	3	_____

Computation included in ESH 246B
Human Relations included in ESH 202

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

ESHWAT-CT

31
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Fire Fighting certificate is designed for students who desire to enter a career in a municipal, county or state fire department. The material is linked with the Nevada State Fire Marshall’s Nevada Firefighter I Certificate. Students are given the opportunity to take the Nevada and National Fire Protection Association’s Firefighter I didactic and practical test. Course material must be taken in sequence with all prerequisites being completed prior to testing with the State Fire Marshall’s Office.

The Fire Fighting certificate does not guarantee employment within any fire department in the State of Nevada. Students may be placed in a physically demanding environment designed to introduce the student to the job task and skills required to operate in the fire and emergency services.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate preparedness to complete the Nevada State Fire Marshall’s written test in accordance with the National Fire Protection Association’s Firefighter I Standard 1001.
- Demonstrate preparedness to complete the Nevada State Fire Marshall’s practical test in accordance with the National Fire Protection Association’s Firefighter I Standard 1001.
- Demonstrate preparedness in oral communications and interviewing techniques.

GENERAL EDUCATION REQUIREMENTS (6 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 107, COM 101	6	_____

SPECIAL PROGRAM REQUIREMENTS (29 Credits):

	CR	SEMESTER
FT 101 Principles of Emergency Services	3	_____
FT 104 Nevada Firefighter I	3	_____
FT 105 Fire Behavior and Combustion	3	_____
FT 109B Internship in Firefighting	1	_____
FT 110 Basic Wildland Firefighting	4	_____
FT 121 Fire Prevention	3	_____
FT 125 Building Construction for Fire Protection	3	_____
FT 150 Apparatus and Equipment	3	_____
FT 152B Legal Aspects of Emergency Services	3	_____
FT 154B Principles of Fire and Emergency Services Safety and Survival	3	_____

Computation included in FT 101

Human Relations included in FT 101

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

FSTFF-CT

35
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This certificate prepares students for the commercial floral design industry which encompasses private retail shops, wedding chapels, silk floral establishments and major resort hotels. Typical positions in floral establishments include owner/manager, lead designer, assistant designer or salesperson. A work experience program is also available for students wishing to obtain on-the-job training.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Appraise and evaluate the basic tasks of a floral designer in a commercial setting by calculating, estimating and justifying market sheets for ordering product for shop needs, and acting as a consultant for weddings, special events and funerals.
- Assess criteria to select and recommend materials for the construction of floral decor to customer's preference, using industry standards.
- Compose photographic images of floral design.
- Demonstrate math, communication, computer technology skills, and other core supervisory/entry level management skills in the floral design industry.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
FLOR 102B Introduction to Floral Design	3	_____
FLOR 106B Permanent Botanicals	3	_____
FLOR 202B Tributes and Traditions	3	_____
FLOR 204B Traditional Weddings	3	_____
FLOR 208B Creativity and Competition	3	_____
FLOR 220B Events and Display	3	_____
INTD 105B History of Furniture and Interiors I	3	_____
PHO 170 Beginning Photography	3	_____

Plus 3 credits from the following:

FLOR 108B Event Balloon Sculptures	1.5	_____
FLOR 115B Mega-Department Practices	3	_____
FLOR 206B Beginning Ikebana	3	_____
FLOR 224B Techniques and Mechanics	1.5	_____
FLOR 225B Color and Product Mix	1.5	_____
FLOR 295B Floral Careers Internship	3	_____

Computation included in FLOR 202B

Human Relations included in FLOR 202B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

FLORDT-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This Food and Beverage program prepares students to begin a career or further their career in the food service industry. The program, consisting of food and beverage management courses and culinary courses, is designed to provide students with the necessary knowledge and skills to be successful in their food service careers.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate proficiency in food serve sanitation and nutrition.
- Learn the basic functions of a professional kitchen by passing the requirements of the required courses.
- Demonstrate a basic understanding of commercial 6 beverage purchasing.
- Demonstrate proficiency in the use and application of food service math by passing the required cost control course.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (29 Credits):

	CR	SEMESTER
CUL 110 Basic Cookery	4	_____
FAB 102 Food Service Sanitation II	2	_____
FAB 112 Restaurant Management I	3	_____
FAB 160 Hospitality Purchasing	3	_____
FAB 167 Food Service Nutrition	2	_____
FAB 210 Fundamentals of Food and Beverage Control	3	_____
FAB 230 Menu Planning	3	_____
FAB 285 Catering Management	3	_____
HMD 101 Introduction to the Hospitality Industry	3	_____
HMD 259 Human Resources Management in the Hospitality Industry	3	_____

Computation included in FAB 160
Human Relations included in HMD 101

FAB-CT **32**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

Introduces the student to basic concepts of computer animation. Students learn to use software to create and manipulate images.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate communication, critical thinking, design, technological and production skills to produce and create animations.
- Produce vector and bitmap content and presentations using Adobe software.
- Apply basic design and illustration skills relating to creating animated content for the web and multimedia productions.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (30 Credits):

	CR	SEMESTER
GRC 101 Introduction to Graphic Communications	3	_____
GRC 103 Introduction to Computer Graphics	3	_____
GRC 107 Design Fundamentals	3	_____
GRC 110 Rendering and Illustration	3	_____
GRC 119 Computer Graphics/Digital Media	3	_____
GRC 156B Computer Illustration I	3	_____
GRC 179 Multimedia Design and Production I	3	_____
GRC 183B Electronic Imaging I	3	_____
GRC 188 Web Animation and Interactivity I	3	_____
GRC 288B Web Animation and Interactivity II	3	_____

Computation included in GRC 103, 183B

Human Relations included in GRC 107

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

GCANIDE-CT

33
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This program is designed for those seeking to enter the field and will train students to use digital tools for design and creative production for first-time employment.

This program is directed toward creating graphics targeted for the print. A graphic artist may design brochures, reports and logos or create layouts for magazines or newspapers.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate communication, critical thinking, design, technological and production skills dealing with producing creative work destined for the printing press.
- Produce vector and bitmap graphics using Adobe software.
- Design, edit and assemble page layouts.
- Apply proper prepress procedures.
- Demonstrate basic design, layout, typography and illustration skills.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (30 Credits):

	CR	SEMESTER
GRC 101 Introduction to Graphic Communications	3	_____
GRC 103 Introduction to Computer Graphics	3	_____
GRC 104 Layout and Typography Fundamentals	3	_____
GRC 107 Design Fundamentals	3	_____
GRC 110 Rendering and Illustration	3	_____
GRC 119 Computer Graphics/Digital Media	3	_____
GRC 140 Print Production with InDesign	3	_____
GRC 156B Computer Illustration I	3	_____
GRC 183B Electronic Imaging I	3	_____

Plus 3 credits from the following:

GRC 207 Electronic Design	3	_____
GRC 278B Electronic Prepress	3	_____

Computation included in GRC 103, 278B

Human Relations included in GRC 104, 110

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. GCGRADE-CT

33
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This program is designed for those seeking to enter the field and will train students to use digital tools for design and creative production for first-time employment.

The Multimedia Design emphasis is directed toward creating graphics and presentations targeted for a monitor or screen. Students will draw or render pictures on computers and place these images with text and/or sound to communicate.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate communication, critical thinking, design, technological and production skills to produce and create multimedia projects for the web.
- Produce vector and bitmap graphics using Adobe software.
- Design, edit and assemble multimedia presentations using popular multimedia authoring software.
- Demonstrate basic design, illustration, and animation skills related to multimedia production.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (30 Credits):

	CR	SEMESTER
GRC 101 Introduction to Graphic Communications	3	_____
GRC 103 Introduction to Computer Graphics	3	_____
GRC 107 Design Fundamentals	3	_____
GRC 119 Computer Graphics/Digital Media	3	_____
GRC 156B Computer Illustration I	3	_____
GRC 175B Web Design and Publishing I	3	_____
GRC 179 Multimedia Design and Production I	3	_____
GRC 183B Electronic Imaging I	3	_____
GRC 188 Web Animation and Interactivity I	3	_____
PHO 214 Videography and Film I	3	_____

Computation included in GRC 119

Human Relations included in GRC 119, 175B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. GCMULDE-CT

33
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This program is designed for those seeking to enter the field and will train students to use digital tools for design and creative production for first-time employment.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate communication, critical thinking, design, technological and production skills dealing with producing creative work that will be seen on the world wide web.
- Produce vector and bitmap graphics using Adobe software.
- Design, edit, and assemble web pages and sites.
- Demonstrate basic design, illustration, and animation skills related to web design and production.
- Produce animated and interactive web content.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (30 Credits):

	CR	SEMESTER
GRC 101 Introduction to Graphic Communications	3	_____
GRC 103 Introduction to Computer Graphics	3	_____
GRC 107 Design Fundamentals	3	_____
GRC 110 Rendering and Illustration	3	_____
GRC 119 Computer Graphics/Digital Media	3	_____
GRC 156B Computer Illustration I	3	_____
GRC 175B Web Design and Publishing I	3	_____
GRC 183B Electronic Imaging I	3	_____
GRC 188 Web Animation and Interactivity I	3	_____
GRC 275B Web Design and Publishing II	3	_____

Computation included in GRC 103, 183B
Human Relations included in GRC 107

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. GCWEBDE-CT

33
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Hotel Management provides students the opportunity to seek employment in an entry-level position, or for those already in the hotel industry, an opportunity for professional growth and career advancement.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Understand the nature and scope of the hospitality industry.
- Demonstrate proficiency in hotel operations in the areas of front office and housekeeping.
- Demonstrate an understanding of the support departments in a hotel.
- Understand the various service delivery systems used in the hospitality industry.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
HMD 101 Introduction to the Hospitality Industry	3	_____
HMD 202 Housekeeping Operations	3	_____
HMD 203 Front-Office Operations	3	_____
HMD 226 Industry Computer Applications for Hospitality and Tourism	3	_____
HMD 235 Hotel, Restaurant and Gaming Law	3	_____
HMD 253 Hospitality Services Management	3	_____
HMD 259 Human Resources Management in the Hospitality Industry	3	_____
TCA 180 Hotel, Restaurant and Casino Marketing	3	_____
TCA 221 Hospitality Accounting I	3	_____

Computation included in TCA 221

Human Relations included in HMD 259

HMD-CT **30**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement, Legal Support Specialist is designed to instruct students preparing to enter the legal field as secretarial support staff. The program covers the structure of law offices, administrative functions of legal support staff, the court system, specialty areas of law, the trial process and procedures for processing a lawsuit. There is a heavy emphasis placed upon the computer application knowledge required by the profession. The program of study qualifies its graduates to be employed in private law firms, corporate legal departments and government legal offices. Graduates are also prepared for clerical positions in educational institutions, government offices, hospitals and insurance companies. In addition, graduates may work as receptionists, clerk typists, or word processors or take charge of legal record keeping.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate ability to perform business communication tasks.
- Gauge ability to maintain office records and calendars, and prioritize multiple tasks.
- Denote aptitude for understanding legal terminology, legal complexities, and supporting documents.
- Appraise knowledge of law office protocol as prescribed by ethical codes.
- Demonstrate a working knowledge of procedural law, the law library, and how to prepare legal documents.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101, 102, 215, BUS 107, 108	3	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
COT 106 Gregg Shorthand or COT 108 Speedwriting Shorthand I or COT 209B Tablet Computer, Voice and Handwriting II	3	_____
COT 127B Microsoft Office for Offices or COT 201B Word Processing II	3	_____
COT 129B Records Management	3	_____
COT 200 Word Processing I	3	_____
ENG 100 Composition Enhanced or ENG 101 Composition I or ENG 113 Composition I for International Students	3-5	_____
IS 101 Introduction to Information Systems	3	_____
LAW 101 Fundamentals of Law I	3	_____
LAW 253 Law Office Management	3	_____
Plus 3 credits from the following:		
CIT 106B Spreadsheets	1	_____
CIT 107B Database	1	_____
CIT 109B WordPerfect	1	_____
COT 103B Keyboarding Review and Speed	1	_____
COT 126B PowerPoint for Offices	1	_____
COT 208B Tablet Computer, Voice and Handwriting	1	_____

Computation included in LAW 253
Human Relations included in LAW 101

30
Total Credits

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. LSGLAST-CT

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The coding program is designed for students to become coding specialists with demonstrated knowledge and skills in applications of classifications and nomenclatures to health information. Coding with approved classification systems is required for direct patient care, research, and fiscal reimbursement. Recipients of the Certificate of Achievement in Medical Coding may apply to take the national certification exam given by the American Health Information Management Association. Successful candidates receive the Certified Coding Associate (CCA), Certified Coding Specialist (CCS), or Certified Coding Specialist – Physician Based (CCS-P) credential. The Certificate of Achievement in Medical Coding may serve towards the first year of the Associate of Applied Science degree in Health Information Technology. The Medical Coding program is approved by the American Health Information Management Association, 233 N. Michigan Ave., Suite 2150, Chicago, IL 60601-5519, (312) 233-1100.

Students should meet with a health programs advisor for additional information.

STUDENT LEARNING OUTCOMES – Graduates of this program will have the opportunity to:

- Demonstrate coding competency as published by the American Health Information Management Association.
- Demonstrate competencies necessary to successfully pass one of the national coding registry examinations.
- Demonstrate knowledge, skills, and competencies necessary to gain employment as a medical coder.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (39 Credits):

	CR	SEMESTER
COT 127B Microsoft Office for Offices	3	_____
HHP 123B Introduction to the Human Body	4	_____
HHP 124B Introduction to the Human Body Computer Lab	1	_____
HIT 105B Healthcare Delivery Systems	2	_____
HIT 106B Healthcare Reimbursement	2	_____
HIT 118B Language of Medicine	3	_____
HIT 119B Introduction to Pharmacology and Laboratory Tests	2	_____
HIT 130B Procedural Terminology	1	_____
HIT 165B Pathophysiology	4	_____
HIT 180B Introduction to Health Information Management	2	_____
HIT 184B Introduction to ICD Coding	2	_____
HIT 185B Introduction to CPT Coding	3	_____
HIT 186B Advanced Outpatient Coding	2	_____
HIT 187B Introduction to ICD-PCS Coding	2	_____
HIT 201B Advanced Coding Systems	3	_____
HIT 210B Coding Practice Experience	3	_____

Computation included in HIT 119B

Human Relations included in HIT 210B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

MEDCOD-CT

42
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement for Medical Laboratory Assistant provides students with the skills necessary to collect and process patient samples for analytic testing. The Medical Laboratory Assistant supports other clinical laboratory professionals in providing physicians with critical diagnostic information utilized in patient care.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge of commonly ordered tests and specimen requirements.
- Perform blood collection techniques.
- Perform point of care testing.
- Accession, process, and distribute patient samples.
- Display effective oral and written communication skills.

GENERAL EDUCATION REQUIREMENTS (6 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 113	3-5	_____
MATHEMATICS: MATH 120	3	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
CHEM 110 Chemistry for Health Sciences I	4	_____
CLS 145 Laboratory Methods	2	_____
CLS 146B Applied Laboratory Methods	2	_____
CLS 147B Medical Laboratory Assistant Clinical Practicum	2	_____
CLS 151B Phlebotomy	2	_____
CLS 152B Applied Phlebotomy	2	_____
CLS 153B Phlebotomy Clinical Practicum	2	_____
HHP 123B Introduction to the Human Body	4	_____
HIT 103B Customer Service Skills in a Healthcare Setting	1	_____
HIT 105B Health Delivery Systems	2	_____
HIT 117B Medical Terminology I	1	_____
IS 101 Introduction to Information Systems	3	_____

Computation included in MATH 120
Human Relations included in HIT 103B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

MEDLAB-CT

33
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

As a medical assistant, you will be a multi-skilled professional, dedicated to assisting in patient care management. You will be trained to perform administrative and clinical/laboratory duties and may manage emergency situations, facilities, and/or personnel. The clinical duties of medical assistants include preparing patients for examinations and treatments; taking vital signs and medical histories, sterilizing instruments; performing diagnostic tests and basic laboratory procedures; and assisting the physician with examinations and minor office surgery. Administrative duties include scheduling and receiving patients; obtaining patient data; establishing and maintaining confidential medical records; handling telephone calls, preparing correspondence and reports; purchasing supplies and maintaining equipment; and assuming responsibility for the daily office business.

The Medical Office Assisting program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of Curriculum Review Board of The American Association of Medical Office Assistants Endowment (CRB-AAMAE). Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756, (727) 210-2350.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate competencies necessary to challenge the Certification Examination (CMA).
- Demonstrate the skills and abilities necessary to find employment in the field or continue with their education in pursuit of a degree.
- Demonstrate entry level competencies as defined by the American Association of Medical Assistants.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (39 Credits):

	CR	SEMESTER
CLS 130B Laboratory Procedures for Medical Office Assistants	2	_____
CLS 131B Applied Laboratory Procedures for Medical Office Assistants	1	_____
COT 127B Microsoft Office for Offices	3	_____
HIT 102B Coding for Medical Offices	2	_____
HIT 106B Healthcare Reimbursement	2	_____
HIT 118B Language of Medicine	3	_____
MOA 101B Introduction to Medical Assisting	3	_____
MOA 106B The Body in Health and Disease I	3	_____
MOA 107B Medical Assistant Techniques	4	_____
MOA 108B The Body in Health and Disease II	3	_____
MOA 110B Clinical Assistant Techniques	4	_____
MOA 120B Medical Office Management	3	_____
MOA 130B Clinical Externship	3	_____
MOA 131B Externship Seminar	1	_____
MOA 195B Selected Topics in Medical Assisting	2	_____

Computation included in MOA 107B, 110B, 120B

Human Relations included in MOA 101B, 120B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

MOA-CT

42
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The transcription program prepares students to become a medical language specialist who is highly skilled in transcribing medical dictation detailing a patient’s health care. As an indispensable part of the health care team, the medical transcriptionist produces medical reports which become permanent records of medical, scientific, and legal value. The Medical Transcriptionist works in hospitals, clinics, medical research and teaching centers, as well as in private medical offices of physicians and surgeons. Recipients of the Certificate of Achievement in Medical Transcription have met the minimum competencies for the American Association for Medical Transcription. Students may apply to take the certification exam to become a Certified Medical Transcriptionist (CMT).

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate entry level competencies in medical transcription as published by American Association for Medical Transcription.
- Demonstrate skills and abilities necessary to find employment in the field.
- Demonstrate knowledge, skills, and entry level competencies needed to gain employment as a medical transcriptionist.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (28 Credits):

	CR	SEMESTER
COT 200 Word Processing I	3	_____
ENG 107 Technical Communications I	3	_____
HHP 123B Introduction to the Human Body	4	_____
HIT 118B Language of Medicine	3	_____
HIT 119B Introduction to Pharmacology and Laboratory Tests	2	_____
HIT 120B Medical Transcription I	4	_____
HIT 122B Medical Transcription II	5	_____
HIT 165B Pathophysiology	4	_____

Computation included in HIT 119B

Human Relations included in HIT 122B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

MEDTRN-CT

31
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Mental Health Services prepares students for careers as Direct Support Specialists to provide direct support services to persons with cognitive, developmental and/or mental disorders in human services. This human services field requires knowledge and skills competency in mental health and/or developmental services, ethical judgment, the ability to teach life skills, provide physical assistance, and to support self-sufficiency, empowerment, and self-direction in persons and families receiving services. Direct Support Specialists (DSSs) are found in many different residential and rehabilitation settings with various job titles, such as Mental Health Technician, Developmental Support Technician, Residential Counselor, Rehabilitation Specialist, Employment Specialist, or Job Coach. Job growth in this profession is estimated to be above average in the future.

This Certificate of Achievement meets the need for students to access high quality training and the development of advanced skills in this human services profession. The courses are competency based and provide the opportunity for development of on the job skills. The Certificate contains all courses required in Nevada for the certification of Mental Health Technicians and Developmental Support Technicians. Students seeking certification should obtain advising on current certification requirements. All courses in this Certificate can be applied toward the Associate of Applied Science in Mental Health Services.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Qualify or obtain employment in direct support services for persons with mental and/or intellectual disabilities.
- Successfully demonstrate the knowledge and skills required of direct support services to persons with mental and/or intellectual disabilities.
- Apply the knowledge, skills, judgment and ethical standards of direct support services to persons with mental and/or intellectual disabilities in an applied human services setting.
- Meet the Nevada educational requirements to qualify for certification as a Mental Health Technician and/or Developmental Support Technician.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

Continued from previous column.

	CR	SEMESTER
Plus 6 credits from the following:		
MHDD 102 Medical Component	1	_____
MHDD 103 Psychopathology and Developmental Disabilities	1	_____
MHDD 106 Teaching and Active Treatment	1	_____
MHDD 110 Introduction to Disability Services	3	_____
MHDD 126 Understanding Developmental Disabilities	2	_____
MHDD 130 Teaching Life Skills	3	_____
MHDD 150 Issues in Substance Abuse	1	_____
MHDD 152 Allied Therapies	1	_____
MHDD 160 Understanding Mental Illness	2	_____
MHDD 210 Autism Spectrum of Disorders	3	_____
MHDD 291B Fieldwork Experience	3	_____
MHDD 295 Practicum	3	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
MHDD 101 Role of the Technician	1	_____
MHDD 105 Conflict Prevention and Response Training	2	_____
MHDD 107 Medication Fundamentals	2	_____
MHDD 109 Introduction to Therapeutic Interventions	2	_____
MHDD 127 Positive Behavior Supports	2	_____
MHDD 153 Life Span Development	1	_____
MHDD 154 Advanced Therapeutic Interventions	2	_____
MHDD 299 Capstone Project	3	_____
PSY 101 General Psychology	3	_____
PSY 241 Introduction to Abnormal Psychology	3	_____

Computation included in MHDD 107, 109, 127

Human Relations included in MHDD 101, 109, 127, 153, 154, PSY 101

Continued in next column.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

MHD-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Music Business and Technology is designed for students who wish to pursue careers in commercial music production, marketing, recording or management. The program provides in-depth studies of recording technology in the studio setting, with ample time for projects and research. Two levels of Business of Music are also offered to give students a comprehensive overview of all facets of the music industry, including management, budgeting, copyrights and related legal issues. In addition, students are required to take courses in general music, communication and computer literacy in order to give them the tools needed to succeed in the open marketplace.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate fundamental knowledge of music theory and history to communicate effectively with musicians, vocalists, and others involved in the creative process.
- Demonstrate competency to manage, assist, or engineer basic professional recording sessions.
- Demonstrate knowledge of various music business practices, including contracts, copyrights, talent management, and budgeting.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101	3	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
MUS 111 Piano Class I	3	_____
MUS 181 Business of Music	3	_____
MUS 231E Recording Techniques I E	3	_____
MUS 232E Recording Techniques II E	3	_____
MUS 281B Business of Music II	3	_____
MUS 285B Advanced Recording Techniques	3	_____

Plus 3 credits from the following:

MUS 101 Music Fundamentals	3	_____
MUS 102 Beginning Music Theory	3	_____

Plus 3 credits from the following:

MUS 121 Music Appreciation	3	_____
MUS 125 History of Rock Music	3	_____
MUS 134 Jazz Appreciation	3	_____

Plus 3 credits from the following:

GRC 103 Introduction to Computer Graphics	3	_____
IS 101 Introduction to Information Systems	3	_____
MATH 120 Fundamentals of College Mathematics or above (except MATH 122, 123)	3	_____

Computation included in IS 101, MATH 120, GRC 103

Human Relations included in COM 101

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

MUS-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Ornamental Horticulture Certificate of Achievement is well suited to students who already have obtained a college degree and are seeking to make a career change. It provides a strong theoretical background and applied practices needed to manage a landscape site utilizing best management practices. In addition it affords students the opportunity to concentrate in one of four specialty fields or to design a program of study that meets their individual interests or occupational needs.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate knowledge and ability to select landscape ornamentals that are well suited to site conditions, limitations and plant use.
- Demonstrate knowledge and ability to evaluate soil conditions and implement best management practices to maintain and improve soil quality and plant performance.
- For Floral Design students demonstrate knowledge and skills required to create floral arrangements to meet client requirements.
- For Landscape Construction/Contracting students demonstrate knowledge and skills to interpret plans, operate equipment and complete landscape installations at an intermediate level.
- For Landscape Design students demonstrate knowledge and skills required to develop and create landscape designs and details to meet client requirements at an intermediate level.
- For Landscape Management students demonstrate knowledge and skills required to evaluate site conditions, evaluate plant health and implement best management practices to meet client requirements at an intermediate level.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS:	3-5	_____
BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102		

SPECIAL PROGRAM REQUIREMENTS (33 Credits):

	CR	SEMESTER
LAND 257 Ornamental Plant Materials	3	_____
LAND 258 Xeric Plant Materials	3	_____
OH 100B Horticulture Fundamentals	1	_____
OH 105 Soils and Plant Nutrition	3	_____
OH 110B Plant Science	3	_____
FOR FLORAL DESIGN:		
FLOR 102B Introduction to Floral Design	3	_____
FLOR 106B Permanent Botanicals	3	_____
FLOR 202B Tributes and Traditions	3	_____
FLOR 204B Traditional Weddings	3	_____
FLOR 206B Beginning Ikebana	3	_____
FLOR 208B Creativity and Competition	3	_____
FLOR 220B Events and Display	3	_____

Continued in next column.

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	CR	SEMESTER
FOR LANDSCAPE CONSTRUCTION/CONTRACTING:		
LAND 180 Fundamentals of Landscape Architectural Design I	3	_____
OH 107B Landscape Materials	3	_____
OH 114B Irrigation Systems	3	_____
OH 150B Landscape Equipment Survey	2	_____
OH 207 Landscape Construction	4	_____
OH 211B Irrigation Management	2	_____
OH 212B Landscape Budgeting and Estimating	3	_____

FOR LANDSCAPE DESIGN:

ADT 100B Introduction to Drafting Theory	3	_____
LAND 180 Fundamentals of Landscape Architectural Design I	3	_____
LAND 182 Fundamentals of Landscape Architectural Design II	3	_____
LAND 241 Grading and Drainage	3	_____
LAND 242 Irrigation	3	_____
LAND 262 CAD for Landscape Architecture	3	_____
OH 107B Landscape Materials	3	_____

FOR LANDSCAPE MANAGEMENT:

OH 111 Turfgrass Fundamentals	3	_____
OH 112 Turfgrass Management	3	_____
OH 114B Irrigation Systems	3	_____
OH 140B Annual Color Concepts	2	_____
OH 203 Introduction to Plant Pathology and Landscape Pests	3	_____
OH 209 Arboriculture	4	_____
OH 211B Irrigation Management	2	_____
OH 223 Integrated Pest Management	3	_____

Computation included in OH 105

Human Relations included in OH 105, 110B

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

OH-CT

36
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Paralegal Studies is designed for students who hold an associate or baccalaureate degree. It is a program of study which qualifies its graduates to be employed in law and business related occupations, including private law firms, corporate departments and government entities. Substantive law is combined with thorough preparation in legal procedures, research methodology and practical knowledge. The Paralegal Studies Program provides the foundation for students to think critically and act ethically in accordance with the local and national rules of professional conduct. Graduates of this program will be prepared to perform high quality legal work under the direction of an attorney. The program encourages graduates to continue educational pursuits and seek community service opportunities.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate ability to manage cases and draft legal documents by applying written skills and knowledge of legal procedures in civil litigation and other substantive areas of law.
- Identify ethical issues and be able to apply the rules of professional conduct through synthesis and analysis.
- Demonstrate knowledge of research methodology by applying critical thinking initiatives to various information formats including computerized and traditional library research.
- Proficient use of word processing software and ability to identify and adapt to different types of law office technology and computer applications.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101, ENG 100, 101, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (29 Credits):

	CR	SEMESTER
IS 101 Introduction to Information Systems	3	_____
LAW 101 Fundamentals of Law I	3	_____
LAW 231 Civil Procedure	3	_____
LAW 234 Civil Procedure II	3	_____
LAW 253 Law Office Management	3	_____
LAW 259 Legal Writing	3	_____
LAW 261 Legal Research I	4	_____
LAW 262 Legal Research II	4	_____
LAW 263 Ethics	3	_____

Computation included in LAW 253
Human Relations included in LAW 101

LAW-CT **32**
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The objective of this certificate is to train students with the necessary cognitive, psychomotor, and affective behaviors to provide advanced life support in the prehospital setting and to provide the necessary coursework to be licensed in the State of Nevada and nationally certified. This limited entry program offers a comprehensive and in-depth study of advanced life support skills which include pharmacology, advanced airway management procedures and skills, ECG interpretation and electrical therapy. After completion of this certificate, students may then choose to complete the next phase of this program and earn an Associate of Applied Science degree in Paramedic Medicine. The Paramedic program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Committee of Educational Programs for the Emergency Medical Services Professions (CoA-EMSP).

Commission on Accreditation of Allied Health Education Programs, 1361 Park Street, Clearwater, FL 33756, (727) 210-2350.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate effective critical thinking skills associated with treating the sick and injured.
- Demonstrate competence and compassion commensurate for the entry-level Paramedic provider.
- Display appropriate attitude and compassion towards patients, co-workers and other health care professionals.
- Display and apply aggregate knowledge and practices of the professional Paramedic.
- Recognize and apply current practices and procedures for medical traumatic emergencies.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 107, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (48 Credits):

	CR	SEMESTER
HHP 123B Introduction to the Human Body	4	_____
HHP 124B Introduction to the Human Body Computer Lab	1	_____
EMS 125B Pharmacology for Paramedics	3	_____
EMS 127B Paramedic Clinical Practice I	2	_____
EMS 129B Paramedic Fundamentals	3	_____
EMS 130B Paramedic Assessment I	1	_____
EMS 145B Essentials of Paramedic Medicine	3	_____
EMS 165B Pathophysiology for Paramedics	3	_____
EMS 166B Paramedic Technology	4	_____
EMS 167B Paramedic Clinical Practice II	2	_____
EMS 168B Electrophysiology/ Electrocardiography	3	_____
EMS 169B Advanced Cardiac Life Support (ACLS)	1	_____
EMS 171B Prehospital Trauma Life Support (PHTLS)	1	_____
EMS 172B Vehicle Extrication for Paramedics	3	_____
EMS 173B Paramedic Field Internship	3	_____
EMS 176B Pediatrics for Paramedics	4	_____
EMS 185B Advanced Emergency Care	3	_____
EMS 202B Advanced ECG Interpretation	2	_____
EMS 230B Paramedic Assessment II	1	_____
HIT 117B Medical Terminology I	1	_____

Computation included in EMS 125B
Human Relations included in EMS 129B

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

EMS-CT

51
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Pastry Arts program is a quality, professionally oriented course of study designed for students wishing to enter and/or advance in the field of pastry arts. Students are taught to master the fundamentals and techniques of baking and pastry arts with emphasis on hands-on preparation of breads, cakes and pastries.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate basic cooking skills including product identification, knife skills, cold food production and cooking skills.
- Demonstrate basic baking skills including production of breads, quick breads, puff pastry, pies, and additional baking skills.
- Produce a variety of decorated restaurant cakes.
- Demonstrate plating techniques for individual restaurant hot and cold dessert preparations.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS:	3-5	_____
BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105		

SPECIAL PROGRAM REQUIREMENTS (30 Credits):

	CR	SEMESTER
CUL 110 Basic Cookery	4	_____
CUL 125 Principles of Baking	3	_____
CUL 135 Breads of the World	3	_____
CUL 175 Cake Design	3	_____
CUL 225 Advanced Baking	3	_____
CUL 255B Retail Bakery Management	3	_____
CUL 295 Work Experience in Culinary Arts	1	_____
FAB 102 Food Service Sanitation II	2	_____
FAB 160 Hospitality Purchasing	3	_____
FAB 167 Food Service Nutrition	2	_____
HMD 101 Introduction to the Hospitality Industry	3	_____

Computation included in FAB 160

Human Relations included in HMD 101

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

CULPAS-CT

33
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This program provides education and training necessary to prepare students to work in various pharmacy settings under the direction and supervision of a licensed pharmacist, with a principle focus on hospital and community pharmacy establishments.

After successful completion of program prerequisites and admission into the program, students in their first semester will receive coursework instruction designed to orient them to the field of pharmacy. During semester one, learning modes will consist of a combination of online, classroom, and laboratory training. In the second semester students will receive advanced program instruction designed to further develop and enhance their pharmacy practice skills. Instruction methodologies will include online, laboratory, and on-site clinical learning and training. Upon program completion, students will be eligible for licensure with the Nevada State Board of Pharmacy.

A limited entry program. Students must attend a health programs orientation and meet with a health programs advisor for additional counseling on program requirements and coursework timelines.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate broad competency in pharmacy techniques and procedures, pharmaceutical math, and pharmacology.
- Demonstrate the relevant skills and competency necessary for licensure as a Nevada State Pharmacy Technician.
- Demonstrate the skills and abilities necessary to seek gainful employment in the pharmaceutical field.
- Demonstrate effective and ethical pharmacy practice techniques in accordance with defined state, federal, and professional industry guidelines and legal parameters.
- Demonstrate skills and academic aptitude necessary for successful completion of the National Pharmacy Technician Certification Examination administered by the Pharmacy Technician Certification Board (PTCB), at their discretion.

GENERAL EDUCATION REQUIREMENTS (9 Credits):

	CR	SEMESTER
COMMUNICATIONS: COM 101	3	_____
ENGLISH: ENG 100, 101, 107, 113	3-5	_____
MATHEMATICS: MATH 100B or above (except MATH 122, 123)	3	_____

SPECIAL PROGRAM REQUIREMENTS (29 Credits):

	CR	SEMESTER
COT 101B Computer Keyboarding I	3	_____
HIT 117B Medical Terminology I	1	_____
IS 101 Introduction to Information Systems	3	_____
PHAR 100B Introduction to Pharmacy Practice	3	_____
PHAR 101B Pharmacy Techniques	3	_____
PHAR 105B Pharmaceutical Math for Technicians	3	_____
PHAR 110B Pharmacology I	2	_____
PHAR 115B Pharmacology II	2	_____
PHAR 120B Pharmacy Microcomputers	2	_____
PHAR 126B Pharmacy Technician Practicum	7	_____

Computation included in PHAR 105B

Human Relations included in PHAR 100B

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

PHARM-CT

38
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This program provides instruction in commercial photographic skills and creative photographic processes. Beginning and intermediate photographic processes and skills are addressed. Other topics include photographic lighting, photographic commercial/illustration, photojournalism, color lab technologies and portraiture.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Operate film and digital camera systems both inside and outside the studio to produce commercially viable images.
- Use supplemental lighting systems and controls to make effective images.
- Produce commercial images in the areas of Portraiture, Weddings, Sports, Editorial, Product, Forensic, and Photojournalism.
- Develop ability to process images using Photoshop, and produce prints using digital printers.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (37 Credits):

	CR	SEMESTER
GRC 103 Introduction to Computer Graphics	3	_____
PHO 170 Beginning Photography	3	_____
PHO 175 Intermediate Photography	3	_____
PHO 195 Photographic Lighting	4	_____
PHO 208B Introduction to Large Format Photography	3	_____
PHO 225 Photographic Commercial/Illustration I	4	_____
PHO 235 Photographic Portraiture I	4	_____
PHO 240B Digital Photographic Imaging	3	_____
PHO 260B Photographic Business Practices	3	_____

Plus 7 credits from the following:

PHO or up to 4 credits from GRC	7	_____
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Computation included in PHO 170

Human Relations included in PHO 170

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. PHOTCOM-CT

40
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The CSN Videography and Film Program is a hands-on digital program that stresses traditional film grammar and the creative documentary. Courses address basic and intermediate film making techniques using digital video equipment. Other topics include camera usage, production planning, script writing, lighting, directing and digital editing with commercial applications. With the Certification of Achievement students can move directly into the world of videographic movie making.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Students will operate a digital camera and light meter and apply concepts of photographic composition and creative expression to pictures.
- Students will create shot lists to shoot basic video sequences, operate a video camera and digital editing equipment, and assemble basic sequences into short movies.
- Students will develop creative story concepts and script ideas and create professional standard scripts.
- Students will identify story elements, script, produce, light, direct and edit a short documentary movie.
- Students will develop a professional portfolio.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (36 Credits):

	CR	SEMESTER
PHO 150B Movies and Media	3	_____
PHO 151B Film Directing Styles	3	_____
PHO 170 Beginning Photography	3	_____
PHO 214 Videography and Film I	3	_____
PHO 216 Videography and Film II	3	_____
PHO 218B Film Screenwriting I	3	_____
PHO 220B Video Digital Editing	3	_____
PHO 223B Documentary Film Production I	3	_____
PHO 244B Lighting for Video and Film	3	_____
PHO 290B Video Portfolio	3	_____

Plus 6 credits from the following:

PHO 152B World Cinema	3	_____
PHO 153B Independent Filmmaking	3	_____
PHO 157B Cinematography I	3	_____
PHO 215 Rock Video Production	3	_____
PHO 219B Film Screenwriting II	3	_____
PHO 221B Advanced Digital Editing	3	_____
PHO 224B Final Cut Pro Bootcamp	1	_____
PHO 226B Documentary Film Production II	3	_____
PHO 227B DVD Studio Bootcamp	1	_____
PHO 228B Motion Bootcamp	1	_____
PHO 245B Video Lighting and Grip	3	_____
PHO 257B Cinematography II	3	_____
THTR 105B Introduction to Acting I	3	_____

or
Any course with GRC prefix

Computation included in PHO 170

Human Relations included in PHO 150B, 214

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

PHOVID-CT

39
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Practical Nursing Program is designed to prepare the graduate to provide nursing care in structured health care settings for clients of all ages who have well defined health problems with predictable outcomes. Emphasis is placed on the ability to make sound judgments based on critical thinking skills, the knowledge of scientific principles, and the ability to use technical skills in a variety of settings. Graduates are eligible to apply to take the national licensure examination-practical nurse (NCLEX-PN) to become a licensed practical nurse (LPN). The program has full approval status by the Nevada State Board of Nursing, 2500 West Sahara, Suite 207, Las Vegas, NV 89102, (702) 486-5800 and is accredited by the National League for Nursing Accrediting Commission, Inc., 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326 (404) 975-5000.

A limited entry program; students must attend a health programs orientation and meet with a health programs advisor for additional counseling.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate competency to use principles of biological, psychological, social and nursing sciences when assisting with the development and implementation of the plan of care for people of all ages and diverse cultures in various stages of health.
- Demonstrate competency to use critical thinking skills when contributing to the nursing process while providing nursing care for clients experiencing common, well-defined stable health problems in structured health care settings.
- Demonstrate ability to practice within the ethical and legal framework of practical nursing.

GENERAL EDUCATION REQUIREMENTS (9 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 113	3-5	_____
HUMAN RELATIONS: PSY 101	3	_____
MATHEMATICS: MATH 104B, 120 or above (except MATH 122, 123)	3	_____

SPECIAL PROGRAM REQUIREMENTS (35 Credits):

	CR	SEMESTER
HHP 123B* Introduction to the Human Body	4	_____
HHP 124B* Introduction to the Human Body Computer Lab	1	_____
HIT 117B Medical Terminology I	1	_____
PN 100L Practical Nursing Learning Lab	1	_____
PN 101B Introduction to Practical Nursing	2	_____
PN 103B Gerontological Health Care	2	_____
PN 104B Practical Nursing Fundamentals	5	_____
PN 105B Practical Nursing I	5	_____
PN 106B Family Nursing	3	_____
PN 108B Practical Nursing II	4	_____
PN 110B Practical Nursing Seminar/ Management Concepts	4	_____
PN 125B Pharmacology for Practical Nursing Practice	3	_____

Other Requirement

Completion of an approved nursing assistant course and current certified nursing assistant in Nevada by the start of the 3rd semester.

Computation included in MATH 104B, 120 or above (except MATH 122, 123)

Human Relations included in PSY 101

*BIOL 223 and 224 would be accepted in lieu of HHP 123B and HHP 124B.

This is a limited-entry program. Some of these courses are program prerequisites and MUST be completed before a student is considered eligible for entry into the Program. Students MUST attend a Health Programs orientation and meet with a Health Programs advisor for additional advisement.

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

PRN-CT

44
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement in Real Estate provides students with the knowledge and skills necessary to make intelligent decisions in the acquisition, ownership and disposition of real estate. The certificate offers entry-level proficiency for real estate salesmen, brokers, property managers and appraisers. The program also provides enrichment for currently employed escrow officers, loan officers, building contractors and land developers.

Successful completion of RE 101 and RE 103 will enable students to satisfy requirements of the Nevada State Real Estate Commission to take the Salesman's Exam. RE 101, RE 103 and RE 206 are among several courses required by the Nevada Real Estate Commission to take the Broker's Exam.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Explain real estate listing practices and how they apply to the real estate market in general.
- Apply negotiation strategies to real-estate professional situations involving real estate transactions.
- Explain the purpose of a standard real estate appraisal and the practices by which it is used.
- Demonstrate ability to complete real estate transactions in accordance with local, state, and federal guidelines.

GENERAL EDUCATION REQUIREMENTS (6 Credits):

SPECIAL PROGRAM REQUIREMENTS (24 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____
HUMAN RELATIONS: ALS 101, ANTH 101, 112, 201, 205, HIST 105, 106, 107, 150, 151, 210, 247, 260, HMS 130, 135B, 265B, MGT 100B, 283, PHIL 135, PSC 201, PSY 101, 102, 207, 208, 261, SOC	3	_____

	CR	SEMESTER
RE 101 Real Estate Principles	3	_____
RE 102B Real Estate Math	3	_____
RE 103 Real Estate Law and Practice	3	_____
RE 199 Real Estate Investments	3	_____
RE 202 Real Estate Financing and Insurance	3	_____
RE 203B Tax Aspects of Real Property Transactions	3	_____
RE 205B Real Property Management	3	_____
RE 206 Real Estate Appraising	3	_____

Computation included in RE 102B
Human Relations included in RE 202

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

RE-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

This program was developed out of a collaborative effort between the retail industry and the College. The curriculum encompasses several business essentials, including management and communication, required for career success.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate a strong foundation in writing, oral communications, math applications and computer literacy.
- Understand the fast-paced challenges prevalent in the retail industry.
- Understand the scope of the retail manager’s job and an understanding of the basic requirements for success performance management.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108	3	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
ACC 135B Bookkeeping I or ACC 201 Financial Accounting	3	_____
BUS 109B Business Mathematics	3	_____
COM 101 Oral Communication	3	_____
IS 101 Introduction to Information Systems	3	_____
MGT 201 Principles of Management	3	_____
MGT 212 Leadership and Human Relations	3	_____
MGT 283 Introduction to Human Resources Management	3	_____
MKT 127 Introduction to Retailing	3	_____
MKT 210 Marketing Principles	3	_____

Computation included in ACC 135B or ACC 201
Human Relations included in MGT 212

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

RTLMTGT-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT

The Tourism, Convention and Event Planning Certificate of Achievement is designed to provide exciting career opportunities, and produce professionals who want to work in the Tourism, Convention and Event Planning industries.

This program is application oriented and students will learn contemporary skills and valuable techniques to enter and compete in today's fast-paced, multi-cultural, meeting planning and tourism environments.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate the criteria of different types of events and how they relate to tourism in a project.
- Create a meeting/event from inception to completion using the components of tourism.
- Demonstrate good oral and written communication skills in working with clients, colleagues and vendors around the world.
- Enhance customer service and relationship skills in a multicultural and global society.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: BUS 108, COM 101, 102, 215, ENG 100, 101, 102, 107, 113, 114, 205, JOUR 102, THTR 105	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
FAB 285 Catering Management	3	_____
HMD 101 Introduction to the Hospitality Industry	3	_____
TCA 110 Introduction to the Convention Industry	3	_____
TCA 141 Travel and Tourism I	3	_____
TCA 188 Special Events Planning	3	_____
TCA 241 Travel and Tourism II	3	_____
TCA 251 Tourism and Convention Externship	3	_____
TCA 289 Introduction to Corporate Meetings and Events	3	_____

Plus 3 credits from the following:

TCA 100B Concierge Management - Business Operations and Customer Service	3	_____
TCA 101B Concierge Software Applications and Operations	3	_____
TCA 183 Conference and Convention Planning	3	_____
TCA 190 Introduction to Destination Marketing	3	_____
TCA 200 Airline Reservations	3	_____
TCA 222 Wedding Planning	3	_____
TCA 225 Introduction to International Tourism	3	_____
TCA 276 Introduction to Trade Show Operations	3	_____

Computation included in TCA 188

Human Relations included in TCA 141

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree.

TRVTCEP-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.

CERTIFICATE OF ACHIEVEMENT



CERTIFICATE OF ACHIEVEMENT

The Certificate of Achievement – AWS Entry Level Welder emphasis provides students with the skills and knowledge necessary for successful entry level employment in welding and related metal working industries.

Extensive classroom and laboratory instruction focuses on the most widely used welding processes in industry including SMAW (Stick), GMAW (Mig), FCAW (Flux core) and GTAW (Tig). Additionally, students will receive instruction in Oxy/Fuel, Plasma and Carbon Arc-Air cutting processes and blueprint reading and interpretation.

Upon completion of the Certificate of Achievement requirements, students may certify as AWS Entry Level Welders.

STUDENT LEARNING OUTCOMES - Graduates of this program will have the opportunity to:

- Demonstrate proper safety practices during welding operations.
- Read and interpret blueprints.
- Cut and prepare parts from blueprints and drawings.
- Set-up, maintain and perform minor repairs to welding and associated equipment.
- Perform satisfactory welds in all positions.

GENERAL EDUCATION REQUIREMENTS (3 Credits):

	CR	SEMESTER
COMMUNICATIONS: ENG 100, 101, 107, 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (27 Credits):

	CR	SEMESTER
ALS 101 College Success	3	_____
MATH 116 Technical Mathematics	3	_____
MT 102B Fundamentals of Electricity	4	_____
WELD 131B Blueprint Reading, Layout, and Sketching	3	_____
WELD 132B Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2	_____
WELD 133B SMAW (Stick)	4	_____
WELD 134B GTAW (Tig)	4	_____
WELD 135B GMAW (Mig)	2	_____
WELD 137B FCAW (Flux Core)	2	_____

Computation included in MATH 116
Human Relations included in ALS 101

NOTE: Courses with a B suffix (example - XYZ 123B) may be non-transferable for a NSHE baccalaureate degree. WELDENT-CT

30
Total Credits

Students may elect to graduate using the degree requirements in effect at the time of matriculation, or when they declared or changed major or the current catalog. If a program is official after a student has matriculated, the student may choose the degree requirements of the new program. In no case may a student use a catalog which is more than six years old at the time of graduation.