

Accounting

REQUIRED CREDITS: 61

DEGREE CODE: ACC-AAS

PROGRAM DESCRIPTION

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

- Incorporate accounting principles, procedures and theories of organizing and maintaining business and financial transactions.
- Formulate conceptual framework of the accounting cycle with the application of basic assumptions, concepts and guidelines for preparing financial statements.
- Enhance proficiency in processing financial information with computerized accounting systems and software.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102	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 101 or above	3	_____
NATURAL SCIENCE AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/SOCIAL SCIENCE AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (30 credits)		
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	_____
FIN 101 Personal Finance	3	_____
IS 101 Introduction to Information Systems	3	_____
ELECTIVES (choose 9 credits)		
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	_____
FIN 115 Introduction to Investments	3	_____
MGT 201 Principles of Management	3	_____
MKT 210 Marketing Principles	3	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or 116 or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS COM 115 or 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 101 or above	3	_____
NATURAL SCIENCE AST 103; CHEM 105; ENV 101; MT 102B; PHYS 110	3	_____
FINE ARTS/HUMANITIES/SOCIAL SCIENCE AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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
CORE REQUIREMENTS (35 credits)		
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	_____
ELECTIVES (choose 6 credits)		
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	_____

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PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

	CR	SEMESTER
COMMUNICATIONS	3-5	_____
COM 115; or ENG 100 or 101 or 107 or 113		

SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (35 credits)		
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	_____
ELECTIVES (choose 6 credits)		_____
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		

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 - 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.



Anthropology Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: ANTH-AA

PROGRAM DESCRIPTION

Anthropology is the study of all aspects of humans in all times and in all places. A four-field approach to the study of humanity – including human biological characteristics, culture, language, and the human past – provides students with an evolutionary, holistic, and comparative understanding of human diversity and similarity.

STUDENT LEARNING OUTCOMES

- Differentiate anthropology's theoretical and methodological approaches from those of other disciplines.
- Describe and compare the four subfields of anthropology – cultural anthropology, archaeology, linguistics, and physical/biological anthropology – including the practice of applied anthropology, historical development, methodologies, theoretical orientations, and the inter-relationships between the subfields.
- Articulate an anthropological perspective in relationship to contemporary issues and concerns.
- Critically evaluate information sources about different peoples and cultures, and demonstrate the ability to think holistically and comparatively in describing human cultural diversity.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or 123 or above; or STAT 152	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102 or 114	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____
HUMANITIES COM 101; and one course from following: International Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; RST	6	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (14 credits)		
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	2	_____
SPECIALTY COURSES (6 credits) Choose six credits from one concentration		
General Anthropology		_____
Any two ANTH courses not included in the Special Program Requirements listed above.		
African Culture		_____
Choose two from the following:		
ANTH 201 Peoples and Cultures of the World	3	_____
ANTH 204 Art in Cross-Cultural Perspective	3	_____
ANTH 205 Ethnic Groups in Contemporary Societies	3	_____
ANTH 206 African Culture Through Oral History and Storytelling	3	_____
ANTH 209 Gender in Cross-Cultural Perspective	3	_____
ANTH 216 Cultures Through Film	3	_____
SOCIAL SCIENCE ELECTIVES (6 credits) (Six credits must be from two different disciplines): CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; SOC; WMST 113		

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PROGRAM DESCRIPTION

This certificate is designed to provide students with the skills, knowledge, and experience necessary to access employment opportunities in the fields of campaign and political management, or to move into baccalaureate programs specifically tailored to these fields of endeavor in the political world. This program embraces both academic and practical/fieldwork curriculum in an effort to give students the opportunity to see and experience those aspects of this career field which are most relevant to their career goals.

STUDENT LEARNING OUTCOMES

- Develop and demonstrate communications skills commensurate with particular career goals within this discipline.
- Learn the many facets of campaign politics or political management in America’s political arena.
- Develop abilities to conceptualize, strategize and implement political tactics and campaign plans.
- Develop critical thinking skills in areas of community relations, organizational management and control, and discipline.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS	6-8	_____	CORE REQUIREMENTS (13 credits)		
COM 101, 102; ENG 100, 101, 107, 113; JOUR 102			PSC 101 Introduction to American Politics	4	_____
			PSC 251 Introduction to Campaign Management	3	_____
			PSC 261 Introduction to Survey Research and Demographics	3	_____
			PSC 299 Government Internship	3	_____
			ELECTIVES (choose 12 credits)		_____
			PSC 252 Elements of Political Communication	3	
			PSC 253 Online Campaign Strategies	3	
			PSC 257 Political Parties and Interest Groups	3	
			PSC 259 Lobbying and Issue Advocacy	3	
			PSC 260 Grassroots Politics	3	
			Computation included in PSC 261		
			Human Relations included in PSC 101		

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Architectural Design Technology - Interior Design Emphasis

REQUIRED CREDITS: 67

DEGREE CODE: ADTDSG-AAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 116 or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____
COMMUNICATIONS COM 101	3	_____
HUMAN RELATIONS ANTH 101, 201; PSY 101, 102, 207, 208; SOC 101 or above	3	_____
NATURAL SCIENCE BIOL 101; CHEM 105; ENV 101; PHYS 110	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCE 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	_____

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 - 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.



Architectural Design Technology - Residential Design Emphasis

REQUIRED CREDITS: 72

DEGREE CODE: ADTRES-AAS

PROGRAM DESCRIPTION

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

- 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.

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GENERAL EDUCATION REQUIREMENTS (28 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (44 CREDITS)

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

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STUDENT LEARNING OUTCOMES

- 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.

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GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or 124 or above	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____
SOCIAL SCIENCE (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	_____
VALUES AND DIVERSITY All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.		

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (17 credits)		
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 298 Portfolio Emphasis	2	_____
Choose one from the following (3 credits)		
ART 260 Survey of Art History I	3	_____
ART 261 Survey of Art History II	3	_____
Choose one from the following (3 credits)		
ART 262 Survey of Asian Art	3	_____
ART 263 Survey of African, Oceanic, and Native American Art	3	_____
ELECTIVES (choose 3 credits)		
ART 108 Design Fundamentals II (3-D)	3	_____
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	_____

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Associate of Arts (AA)

REQUIRED CREDITS: 60

DEGREE CODE: AA

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 120 or 123 or above; or STAT 152	3	_____	SOCIAL SCIENCE ELECTIVES (choose 9 credits) (Select one course from three different disciplines): ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; SOC; WMST 113		_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____	ELECTIVES (choose 17 credits) See a counselor to select 17 transferable credits		_____
LITERATURE ENG 223 or above	3	_____	_____	_____	_____
ANALYTICAL REASONING PHIL 102 or 114	3	_____	_____	_____	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____	_____	_____	_____
HUMANITIES COM 101; and one course from the following: ENG 223 or above; HIST; International Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; RST	6	_____	_____	_____	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____	_____	_____	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____	_____	_____	_____

Counselor Signature Date

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 116 or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
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 101 or above	3	_____
NATURAL SCIENCE AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCE AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Automotive Technology -
Diagnostic Specialist Emphasis**

REQUIRED CREDITS: 34

DEGREE CODE: AUTODIAGCT

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

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/Fuel and Ignition	4	_____
AUTO 227B Engine Performance II/Emission Control	4	_____
AUTO 235B Engine Performance III/Diagnostics	4	_____
AUTO 240B Nevada 1G Emission Inspection Preparation	2	_____

Computation included in AUTO 115B
Human Relations included in AUTO 115B

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Automotive Technology -
Heavy-Line Specialist Emphasis**

REQUIRED CREDITS: **33**

DEGREE CODE: **AUTOHVYLC**

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

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
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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (31 CREDITS)

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS	3-5	_____	AUTO 105B Automotive Maintenance I	4	_____
BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105			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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Collision Repair Emphasis

REQUIRED CREDITS: **39**

DEGREE CODE: **AUTOCO-CT**

PROGRAM DESCRIPTION

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

- 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).

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS	3-5	_____	ABDY 101B Collision Repair Fundamentals and Estimating	4	_____
BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105			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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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**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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (37 CREDITS)**

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 116	3	_____	CORE REQUIREMENTS (16 credits) AV 100B Aviation Orientation	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____	AV 110B Private Pilot Ground School	4	_____
COMMUNICATIONS COM 101	3	_____	AV 112B Human Factors and Safety	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 101 or above	3	_____	AV 115B Aviation Meteorology	3	_____
NATURAL SCIENCE EGG 131 and 132	8	_____	AV 220B Air Transportation	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM; ANTH; ART; COM; ECON; ENG 223 or above; GEOG 106 or above; HIST; International Languages; MUS; PHIL; PSC; PSY; SOC; THTR; WMST 113	3	_____	SPECIALTY COURSES (21-23 credits) Choose one concentration		
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217	4-6	_____	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	_____
			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 Introduction to Information Systems	3	_____
			MGT 201 Principles of Management	3	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Bookkeeping

REQUIRED CREDITS: **30**

DEGREE CODE: **ACCBOK-CT**

PROGRAM DESCRIPTION

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

- Demonstrate the skills necessary to obtain employment in the bookkeeping field.
- Demonstrate computer knowledge related to the most popular software in accounting.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

	CR	SEMESTER
COMMUNICATIONS	3-5	_____
ENG 100 or 101 or 107 or 113		

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (21 credits)		
ACC 135B Bookkeeping I	3	_____
ACC 201 Financial Accounting	3	_____
ACC 220 Microcomputer Accounting Systems	3	_____
BUS 101 Introduction to Business	3	_____
BUS 109B Business Mathematics	3	_____
COT 101B Computer Keyboarding I	3	_____
IS 101 Introduction to Information Systems	3	_____
Choose one from the following (3 credits)		
BUS 106B Business English	3	_____
BUS 108 Business Letters and Reports	3	_____
ELECTIVES (choose 3 credits)		
_____	_____	_____

Computation included in ACC 201
Human Relations included in BUS 101

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- Integrate financial and managerial accounting principles in the utilization of data planning and control.
- Incorporate business principles with the theory and practice of business operations.
- Examine the planning, organization, leadership and control functions of management.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (31 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)**

	CR	SEMESTER			CR	SEMESTER
MATHEMATICS MATH 124 or above	3	_____	ACC 201	Financial Accounting	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____	ACC 202	Managerial Accounting	3	_____
LITERATURE ENG 223 or above	3	_____	BUS 101	Introduction to Business	3	_____
ANALYTICAL REASONING PHIL 102	3	_____	COM 102	Introduction to Interpersonal Communication	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____	ECON 102	Principles of Microeconomics	3	_____
HUMANITIES COM 101	3	_____	ECON 103	Principles of Macroeconomics	3	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____	ECON 261	Principles of Statistics I	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217	4-6	_____	IS 101	Introduction to Information Systems	3	_____
			MATH 132	Finite Mathematics	3	_____
			MGT 201	Principles of Management	3	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. BUS 101 fulfills this requirement.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- Explain general business and management theories.
- Examine managerial and motivational management theories.
- Develop business and management skills for profit and nonprofit organizations.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS BUS 109B; or MATH 104B or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105	3	_____
HUMAN RELATIONS ALS 101; ECE 202; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113	3	_____
NATURAL SCIENCE ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; ET 131B; GEOG 103, 104, 116, 117; GEOL 100 or above; HHP 123B, 124B; MT 102B, 110B; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106, 109; International Languages; MUS 101 or above; THTR 100 or above (except 105)	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (27 credits)		
ACC 201 Financial Accounting	3	_____
BUS 101 Introduction to Business	3	_____
BUS 108 Business Letters and Reports	3	_____
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 283 Introduction to Human Resources Management	3	_____
MKT 210 Marketing Principles	3	_____
ELECTIVES (choose 12 credits)		
ACC 202 Managerial Accounting	3	_____
BUS 102B Entrepreneurship and Innovation	3	_____
BUS 106B Business English	3	_____
BUS 107 Business Speech Communication	3	_____
BUS 271 Introduction to Employment Law	3	_____
BUS 272 Legal Environment	3	_____
BUS 274 Business Law II	3	_____
BUS 280B Legal Aspects of International Business	3	_____
BUS 290B Internship in Business	3	_____
MGT 100B Practical Human Relations for Business	3	_____
MGT 212 Leadership and Human Relations	3	_____
MGT 235 Organizational Behavior	3	_____
MGT 284B Introduction to International Management	3	_____
MGT 294B Seminar in Management	3	_____
MKT 127 Introduction to Retailing	3	_____
MKT 132 Sales Management	3	_____
MKT 211 Introduction to Professional Sales	3	_____
MKT 261 Introduction to Public Relations	3	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- Explain general business and management theories.
- Examine managerial and motivational management theories.
- Develop business and management skills for profit and nonprofit organizations.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER			CR	SEMESTER
COMMUNICATIONS	3-5	_____	ACC 201	Financial Accounting	3	_____
COM 101, 102, 115, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105			BUS 101	Introduction to Business	3	_____
			BUS 108	Business Letters and Reports	3	_____
			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 283	Introduction to Human Resources Management	3	_____
			MKT 210	Marketing Principles	3	_____
				Computation included in ACC 201		
				Human Relations included in MGT 103		

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Cardiorespiratory Sciences

REQUIRED CREDITS: 121

DEGREE CODE: CRS-BAS

PROGRAM DESCRIPTION

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.

STUDENT LEARNING OUTCOMES

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (41 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 124 or above	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 102 or 113 or 114	3-5	_____
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	_____
NATURAL SCIENCE BIOL 189 and 223 and 224 and 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
CORE REQUIREMENTS (76 credits)		
CLS 151 Phlebotomy	2	_____
CRS 111 Introductory Concepts of Cardiorespiratory Sciences	3	_____
CRS 112 Introductory Concepts of Cardiorespiratory Equipment	1	_____

SPECIAL PROGRAM REQUIREMENTS CONTINUED

	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	_____
HIT 117B Medical Terminology I	1	_____
HIT 165B Pathophysiology	4	_____
Choose one from the following (4 credits)		
EGG 131 Technical Physics I	4	_____
PHYS 110 Conceptual Physics (or above)	4	_____

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Cardiorespiratory Sciences

REQUIRED CREDITS: 81

DEGREE CODE: CARD-AAS

PROGRAM DESCRIPTION

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

- Acquire and evaluate clinical data.
- Assess the cardiopulmonary status of patients.
- Practice abilities required for performance of prescribed diagnostic studies such as: obtaining blood samples, blood gas analysis, pulmonary function testing, and polysomnography.
- Evaluate data to assess the appropriateness of prescribed respiratory care.
- Construct patient, family, and community education programs.
- Practice prescribed respiratory care treatments, managing life support activities, evaluating and monitoring patient responses to such therapy and modifying the prescribed therapy to achieve the desired therapeutic objectives.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (31 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (50 CREDITS)**

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS	3	_____	CORE REQUIREMENTS (46 credits)		
MATH 124 or above			CRS 111	3	_____
ENGLISH COMPOSITION	3-5	_____	CRS 112	1	_____
ENG 100 or 101 or 102 or 113 or 114			CRS 115	4	_____
COMMUNICATIONS	3	_____	CRS 121	3	_____
BUS 108; COM 101, 102, 215; JOUR 102; THTR 105			CRS 122	1	_____
HUMAN RELATIONS	3	_____	CRS 123	3	_____
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 101 or above			CRS 124	3	_____
NATURAL SCIENCE	12	_____	CRS 125	4	_____
BIOL 223 and 224 and 251			CRS 135	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES	3	_____	CRS 211	3	_____
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113			CRS 212	1	_____
U.S. AND NEVADA CONSTITUTIONS	4-6	_____	CRS 213	3	_____
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217			CRS 214	1	_____
			CRS 215	4	_____
			CRS 221	3	_____
			CRS 222	1	_____
			CRS 225	4	_____
			HIT 117B	1	_____
			Choose one group (4 credits)		
			<i>Group 1:</i>		
			EGG 131	3	_____
			EGG 131L	1	_____
			<i>Group 2:</i>		
			PHYS 110	4	_____

- NOTE**
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 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



PROGRAM DESCRIPTION

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, emails: aoc@shoreintercom.net or acpha@atlanticbb.net.

STUDENT LEARNING OUTCOMES

- Interpret gaming industry laws and regulations.
- Assess the operation of a casino.
- Analyze Table Games operating procedures.
- Examine the operation of the slots department.
- Formulate casino marketing strategies.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or 124	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102	3	_____
HUMAN RELATIONS ALS 101 or HMS 130 or MGT 283	3	_____
NATURAL SCIENCE ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106, 109; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (40 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (31 credits)		
ACC 201 Financial Accounting	3	_____
GAM 106 Casino Floor Supervision	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	_____
ELECTIVES (choose 9 credits)		
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	_____
TCA 221 Hospitality Accounting I	3	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- Interpret gaming industry laws and regulations.
- Assess the operation of a casino.
- Analyze Table Games operating procedures.
- Examine the operation of the slots department.
- Formulate casino marketing strategies.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

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
CORE REQUIREMENTS (27 credits)		
ACC 201 Financial Accounting	3	_____
GAM 106 Casino Floor Supervision	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	_____
ELECTIVES (choose 3 credits)		_____
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

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Communication Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: COM-AA

PROGRAM DESCRIPTION

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

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

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 120 or 124 or above; or STAT 152	3	_____	CORE REQUIREMENTS (12 credits)		
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____	COM 101 Oral Communication	3	_____
LITERATURE ENG 223 or above	3	_____	COM 102 Introduction to Interpersonal Communication	3	_____
ANALYTICAL REASONING PHIL 102 or 114	3	_____	COM 133 Culture and Communication	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117; GEOL; PHYS	6	_____	COM 216 Survey of Communication Studies	3	_____
SOCIAL SCIENCE (Nine credits must be from three different disciplines) ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; SOC; WMST 113	9	_____	ELECTIVES (choose 14 COM credits)		_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217	4-6	_____	_____	_____	_____
VALUES AND DIVERSITY All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.			_____	_____	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

This program provides students with the skills to plan, prepare and interpret drafting documents. Students will develop these skills through computer-aided design and drafting workstations. Instruction also includes office standards, ethics, equipment maintenance and production techniques.

STUDENT LEARNING OUTCOMES

- 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 skills and other core degree requirements. Graduates will be ready to be employed as an entry-level CADD Technician.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS			CORE REQUIREMENTS (27 credits)		
COM 115	3	_____	CADD 100 Introduction to Computer Aided Drafting	3	_____
			CADD 105 Intermediate Computer Aided Drafting	3	_____
			CADD 140 Technical Drafting I	3	_____
			CADD 141B Technical Drafting II	3	_____
			CADD 245 Solid Modeling and Parametric Design	3	_____
			CADD 246B Solid Modeling and Parametric Design II	3	_____
			CADD 250 CAD Systems Management	3	_____
			CADD 299B CADD Capstone	3	_____
			MATH 104B Applied Mathematics (or above) (except MATH 115B, 122, 123)	3	_____
			Choose one from the following (0-3 credits)		_____
			IS 100B Core Computing Competency	0	
			IS 101 Introduction to Information Systems	3	
			Computation included in MATH 104B or above (except MATH 115B, 122, 123)		
			Human Relations included in CADD 250		

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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 a keyboard, voice recognition, or handwriting recognition; software including word processing, spreadsheets, databases, and presentations; general and advance office skills; and communication skills.

STUDENT LEARNING OUTCOMES

- Create text by using one of the following methods of input: A computer keyboard (by touch); Voice recognition software, or; Handwriting recognition software.
- Create office documents using a variety of the functions of word processing software.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS COM 101, 102, 215; ENG 102, 114, 205; JOUR 102	3	_____
HUMAN RELATIONS ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above	3	_____
NATURAL SCIENCE AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above; ART 101 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (30 credits)		
ACC 135B Bookkeeping I	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	_____
ELECTIVES (choose 8 credits)		
BUS 101 Introduction to Business	3	_____
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 & 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	_____

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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 a keyboard, voice recognition, or handwriting recognition; software including word processing, spreadsheets, databases, and presentations; general and advance office skills; and communication skills.

STUDENT LEARNING OUTCOMES

- Create text by using one of the following methods of input: A computer keyboard (by touch); Voice recognition software, or; Handwriting recognition software.
- Create office documents using a variety of the functions of word processing software.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

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 (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (24 credits)		
ACC 135B Bookkeeping I	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 201 Principles of Management	3	_____
ELECTIVES (choose 3 credits)		_____
COT 103B Keyboard Review and Speed	1	_____
COT 108 Speedwriting Shorthand I	3	_____
COT 132B Outlook for Offices	1	_____
COT 205B Pads & 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
Human Relations included in MGT 201

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Computing and Information Technology - Electronic Crime Investigation Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: CITCRIMAAS

PROGRAM DESCRIPTION

The Associate of Applied Science in Computing and Information 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

- Evaluate computer hardware and software.
- Develop organization security policies.
- Explain how to use networking tools and devices to detect and mitigate security attacks.
- Manage the security of a network system.
- Manage a networking project.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (23 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 116	3	_____
ENGLISH COMPOSITION ENG 107	3	_____
COMMUNICATIONS COM 115	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 101 or above	3	_____
NATURAL SCIENCE EGG 131 and 131L	4	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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
CORE REQUIREMENTS (27 credits)		
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	_____
CIT 110 A+ Hardware	3	_____
CIT 112B Network+	3	_____
CIT 211 MCITP/MCTS Windows Workstation OS	3	_____
CIT 212 MCITP/MCTS Windows Server OS	3	_____
Choose one from the following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____
ELECTIVES (choose 7-10 credits)		
CF 250B Mobile Device Forensics	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 120 CCNA Internetworking Fundamentals	4	_____
CSCO 121 CCNA Routing and Switching Essentials	4	_____
CSCO 220 CCNA Scaling Networks	4	_____
CSCO 221 CCNA WAN Fundamentals	4	_____
CSCO 230B Fundamentals of Network Security	4	_____

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Computing and Information Technology –
Electronic Crime Investigation Emphasis**

REQUIRED CREDITS: 30

DEGREE CODE: CITECI-CT

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS			CORE REQUIREMENTS (25 credits)		
COM 115	3	_____	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	_____
			Choose one from the following (0-3 credits)		
			IS 100B Core Computing Competency	0	_____
			IS 101 Introduction to Information Systems	3	_____
			ELECTIVES (choose 0-2 credits)		
			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 and Switching Essentials	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**
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**Computing and Information Technology -
Information Management Emphasis**

REQUIRED CREDITS: **30**

DEGREE CODE: **CITIMGT-CT**

PROGRAM DESCRIPTION

This program teaches advanced technical skills for students and working professionals that have completed an Associate of Applied Science degree in Computer and Information Technology. Concentration areas allow students to expand their skill in the specialty area of their choice. This certificate is also accepted as the third year of study at other institutions that articulate a joint Bachelors of Applied Science degree with the College of Southern Nevada.

STUDENT LEARNING OUTCOMES

- Develop system design specifications based on prescribed criteria.
- Code systems within the scope of concentration area.
- Debug systems within the scope of concentration area.
- Recommend hardware and/or software within scope of concentration area.
- Formulate advanced project management timetables and costs.
- Incorporate scalability and redundancy into system designs.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (9 CREDITS)

	CR	SEMESTER
COMMUNICATIONS	3	_____
COM 101		
ENGLISH	3-5	_____
ENG 100 or 101 or 102 or 113 or 114		
MATHEMATICS	3	_____
MATH 124 or above		

SPECIAL PROGRAM REQUIREMENTS (21 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (9 credits)		
CIT 319 Managing Business Data Networks	3	_____
CIT 363 Advanced Project and Earned Value Management	3	_____
ET 301 Customer Service Management	3	_____
SPECIALTY COURSES (12 credits)		
Choose one track:		_____
Network Infrastructure Analyst		_____
CSCO 480 CCNP ROUTE	4	
CSCO 482 CCNP SWITCH	4	
CSCO 484 CCNP TSHOOT	4	
Virtual Computing Analyst		_____
CIT 330 Designing Virtualized Systems	4	
CIT 430 Optimizing Virtualized Systems	4	
CIT 431 Open Source Virtualized Systems	4	
Software Analyst		_____
CIT 454 E-Commerce	4	
CIT 470 Information Systems Auditing	4	
IS 389 Advanced Business Systems Development	4	

Computation included in MATH 124 or above

Human Relations included in ET 301

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Computing and Information Technology - Network Security Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: CITNESEAAS

PROGRAM DESCRIPTION

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

- Evaluate computer hardware and software.
- Develop organization security policies.
- Explain how to use networking tools and devices to detect and mitigate security attacks.
- Manage the security of a network system.
- Manage a networking project.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

	CR	SEMESTER		CR	SEMESTER
<u>MATHEMATICS</u>	3	_____	<u>CORE REQUIREMENTS (38 credits)</u>		
MATH 116			CF 118B Internet Forensics	3	_____
<u>ENGLISH COMPOSITION</u>	3	_____	CIT 112B Network+	3	_____
ENG 107			CIT 173 Introduction to Linux	3	_____
<u>COMMUNICATIONS</u>	3	_____	CIT 174 Linux System Administration	3	_____
COM 115			CIT 217 Security+	3	_____
<u>HUMAN RELATIONS</u>	3	_____	CIT 263B Project Management	3	_____
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 101 or above			CSCO 120 CCNA Internetworking Fundamentals	4	_____
<u>NATURAL SCIENCE</u>	3	_____	CSCO 121 CCNA Routing and Switching Essentials	4	_____
EGG 131			CSCO 220 CCNA Scaling Networks	4	_____
<u>FINE ARTS/HUMANITIES/ SOCIAL SCIENCES</u>	3	_____	CSCO 221 CCNA WAN Fundamentals	4	_____
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113			CSCO 230B Fundamentals of Network Security	4	_____
<u>U.S. AND NEVADA CONSTITUTIONS</u>	4-6	_____	<u>Choose one from the following (0-3 credits)</u>		
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217			IS 100B Core Computing Competency	0	_____
			IS 101 Introduction to Information Systems	3	_____

- NOTE**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Computing and Information Technology - Networking Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: CITNETWAAS

PROGRAM DESCRIPTION

This program course of study provides students with 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 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+, Network+, Linux+; Cisco CCENT, CCNA; and Microsoft MCITP. Instruction takes place in a hands-on state-of-the-art lab environment. A Certificate of Completion will be issued by the CIT Department for each Networking Concentration completed by the student.

STUDENT LEARNING OUTCOMES

- Differentiate the functions of networking components.
- Assemble a computer networking system.
- Specify configuration parameters to include: IP addressing, AAA, QoS prioritization, capacity and redundancy.
- Modify operating system configurations in client, server, and intermediary devices.
- Optimize hardware configurations in client, server, and intermediary devices.
- Client/server concentration: Optimize operating system configuration in Microsoft server environment.
- Router/switch concentration: Optimize operating system configurations in network intermediary devices.
- Linux concentration: Optimize operating system configuration in a Linux server environment.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (23 CREDITS)

	CR	SEMESTER
MATHEMATICS	3	_____
MATH 116		
ENGLISH COMPOSITION	3	_____
ENG 107		
COMMUNICATIONS	3	_____
COM 115		
HUMAN RELATIONS	3	_____
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 101 or above		
NATURAL SCIENCE	4	_____
EGG 131 and 131L		
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES	3	_____
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113		
U.S. AND NEVADA CONSTITUTIONS	4-6	_____
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217		

SPECIAL PROGRAM REQUIREMENTS (37 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (15 credits)		
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	_____

SPECIAL PROGRAM REQUIREMENTS CONTINUED

	CR	SEMESTER
Choose one from the following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____
ELECTIVES (choose 7 program credits)		
CF any	3	_____
CIT 118B Network Security Management (or above)	3	_____
CSCO any	1-4	_____
ET 108B Telecommunications and the Information Age	3	_____
SPECIALTY COURSES (15-16 credits)		
Choose one concentration		
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	_____
Router/Switcher		
CSCO 120 CCNA Internetworking Fundamentals	4	_____
CSCO 121 CCNA Routing and Switching Essentials	4	_____
CSCO 220 CCNA Scaling Networks	4	_____
CSCO 221 CCNA WAN Fundamentals	4	_____
Linux		
CF 118B Internet Forensics	3	_____
CIT 173 Introduction to Linux	3	_____
CIT 174 Linux System Administration	3	_____
CIT 176 Linux Shell Programming	3	_____
CIT 217 Security+	3	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Computing and Information Technology - Software Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: CITSOFTAAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (23 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS COM 101 or 102 or 115	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 101 or above	3	_____
NATURAL SCIENCE EGG 131	4	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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
CORE REQUIREMENTS (16 credits)		
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 115 Introduction to Programming	3	_____
Choose one from the following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____

SPECIAL PROGRAM REQUIREMENTS CONTINUED

	CR	SEMESTER
ELECTIVES (choose 3-6 credits) ACC 201; CF; CIT; CS; CSCO; EGG 132; GIS; GRC 103, 175; IS		_____
SPECIALTY COURSES (15 credits) Choose one concentration		
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	_____
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	_____
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	_____
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	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Concierge Management

REQUIRED CREDITS: **33**

DEGREE CODE: **HMDCON-CT**

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

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
CORE REQUIREMENTS (27 credits)		
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 _____
ELECTIVES (choose 3 credits)		
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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Construction Technology - Building Trades

REQUIRED CREDITS: 60

DEGREE CODE: CTBUTR-AAS

PROGRAM DESCRIPTION

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 and/or plumbing, depending on which trade the student chooses, for residential and commercial construction. Instruction includes classroom and laboratory course work.

STUDENT LEARNING OUTCOMES

- Analyze construction prints to include: site, foundation, floor, electrical, plumbing and structural plans; sectional and detail views.
- Calculate electrical and/or plumbing related formulas.
- Differentiate the equipment, materials or systems necessary for residential or commercial electrical and/or plumbing situation.
- Interpret electrical and/or plumbing building codes.
- Describe how to troubleshoot and repair problems that arise in electrical and/or plumbing systems.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or above (except MATH 115B, 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS COM 115	3	_____
HUMAN RELATIONS ALS 101 or MGT 100B	3	_____
NATURAL SCIENCE EGG 131 or ENV 101	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES PSY 101 or SOC 101 or SPAN 101B	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 (38 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (26 credits)		
AIT 205B Industry Customer Service	1	_____
BT 290B Work Experience	4	_____
BT 299B Building Trades Capstone Course	3	_____
CADD 100 Introduction to Computer Aided Drafting	3	_____
CONS 120B Printreading and Specifications	3	_____
CONS 282B Construction Law	3	_____
CONS 288B Quality Control of Construction Waste	3	_____
SCT 101B Fundamentals of Sustainable Construction	3	_____
SCT 105B Sustainable Construction Materials and Methods	3	_____
Choose one from following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____
SPECIALTY COURSES (12 credits)		
Choose one concentration		
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	_____
Plumbing		_____
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	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Construction Technology -
Building Trades Emphasis**

REQUIRED CREDITS: **30**

DEGREE CODE: **CTBUTR-CT**

PROGRAM DESCRIPTION

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 and/or plumbing, depending on which trade the student chooses for residential and commercial construction. Instruction includes classroom and laboratory course work.

STUDENT LEARNING OUTCOMES

- Analyze construction prints to include: site, foundation, floor, electrical, plumbing and structural plans; sectional and detail views.
- Calculate electrical/or plumbing related formulas.
- Differentiate the equipment, materials or systems necessary for residential or commercial electrical and/or plumbing situation.
- Interpret electrical and/or plumbing building codes.
- Describe how to troubleshoot and repair problems that arise in electrical and/or plumbing systems.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

	CR	SEMESTER
COMMUNICATIONS	3	_____
COM 115		

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (15 credits)		
BT 299B Building Trades Capstone Course	3	_____
CONS 120B Printreading and Specifications	3	_____
MATH 104B Applied Mathematics (or above) (except MATH 115B, 122, 123)	3	_____
SCT 101B Fundamentals of Sustainable Construction	3	_____
SCT 105B Sustainable Construction Materials and Methods	3	_____
Choose one from the following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____
SPECIALTY COURSES (12 credits)		
Choose one concentration		
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	_____
Plumbing		
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	_____
Computation included in MATH 104B or above (except MATH 115B, 122, 123)		
Human Relations included in SCT 105		

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Construction Technology – Construction Management

REQUIRED CREDITS: 60

DEGREE CODE: CTCMGT-AAS

PROGRAM DESCRIPTION

This degree prepares students to supervise and manage the construction of commercial and residential buildings including sustainable (green) construction. Students learn proper procedures and materials that comply with plans, specifications, and building codes. Students will be prepared for employment as construction estimators/schedulers, project managers, green specialists, and other supervisory positions in the construction industry.

STUDENT LEARNING OUTCOMES

- Analyze 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)
- Correlate the construction field administration phase including contract documents, construction schedules, submittals, reports and close-out elements. (Construction Management)
- Diagnose construction contracts, lien laws, contract changes, scheduling, insurances and bonds, and contract disputes. (Construction Law)
- Compare the 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)
- Distinguish green alternatives to conventional building practices, and describe the pros and cons of those alternatives. (Sustainable Construction - New)
- Characterize sustainable construction retrofitting for energy efficiency of existing buildings. (Sustainable Construction - Existing)

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
<u>MATHEMATICS</u>	3	_____
MATH 104B or above (except MATH 115B, 122, 123)		
<u>ENGLISH COMPOSITION</u>	3-5	_____
ENG 100 or 101 or 107 or 113		
<u>COMMUNICATIONS</u>	3	_____
COM 115		
<u>HUMAN RELATIONS</u>	3	_____
ALS 101 or MGT 283		
<u>NATURAL SCIENCE</u>	3	_____
EGG 131 or ENV 101 or GEOG 103		
<u>FINE ARTS/HUMANITIES/ SOCIAL SCIENCES</u>	3	_____
PSY 101 or SOC 101 or SPAN 101B		
<u>U.S. AND NEVADA CONSTITUTIONS</u>	4-6	_____
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217		

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

	CR	SEMESTER
<u>CORE REQUIREMENTS (34 credits)</u>		
ADT 201B Introduction to Building Information Modeling	3	_____
CONS 120B Printreading and Specifications	3	_____
CONS 282B Construction Law	3	_____
CONS 285B Construction Estimating and Scheduling	4	_____
CONS 286B Construction Management and Analysis	3	_____
CONS 288B Quality Control of Construction Waste	3	_____
CONS 299B Construction Capstone Course	3	_____
SCT 101B Fundamentals of Sustainable Construction	3	_____
SCT 105B Sustainable Construction Materials and Methods	3	_____
SCT 201B Sustainable Construction of New Buildings	3	_____
SCT 202B Sustainable Construction of Existing Buildings	3	_____
<u>Choose one from the following (4 credits)</u>		
BI 101B Introduction to Building Codes	4	_____
BI 105B Residential Codes (IRC)	4	_____
<u>Choose one from the following (0-3 credits)</u>		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____

- NOTE**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Creative Writing Emphasis

REQUIRED CREDITS: 61

DEGREE CODE: ENGCW-AA

PROGRAM DESCRIPTION

The AA degree with a 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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or 124 or above; or STAT 152	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102 or 114	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____
SOCIAL SCIENCE (Nine credits must be from three different disciplines): ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; 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; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (15 credits) International Languages 111 or above (courses must be in a single language)	8	_____
COM 101 Oral Communication	3	_____
ENG 205 Introduction to Creative Writing: Fiction and Poetry	3	_____
ENG 296 Portfolio Assessment	1	_____
Choose one group (6 credits)		
<i>Group 1:</i>		
ENG 220 Writing Poetry	3	_____
ENG 221 Writing Fiction	3	_____
<i>Group 2:</i>		
ENG 220 Writing Poetry (repeatable to 6 credits - take course twice to satisfy this portion of the degree)	3	_____
<i>Group 3:</i>		
ENG 221 Writing Fiction (repeatable to 6 credits - take course twice to satisfy this portion of the degree)	3	_____
ELECTIVES (choose 6 credits)		
ENG 243 Introduction to Short Story	3	_____
ENG 261 Introduction to Poetry	3	_____
ENG 275 Contemporary Literature	3	_____
ENG 278 Readings in the Contemporary Novel	3	_____

- NOTE**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Criminal Justice Emphasis

REQUIRED CREDITS: 61

DEGREE CODE: CRJ-AA

PROGRAM DESCRIPTION

The Associate of Arts Degree in Criminal Justice provides a broad overview of the criminal justice system, its subsystems, and the roles of the participants therein. It provides a comprehensive overview of criminal law and procedure, law enforcement ethics, and criminology. Students will choose additional elective credits in corrections, juvenile justice, forensics and other interdisciplinary topics. This degree may be used for transfer to a four-year academic institution or may serve as a qualification for public safety or social service positions.

STUDENT LEARNING OUTCOMES

- Explain the history and nature of the major components of the criminal justice system: police, courts, and corrections.
- Outline the basis of decision-making in the criminal justice process and important constitutional issues.
- Differentiate criminal law from other forms of law.
- Analyze the overall problem of crime in the United States, including different types of crimes, and identify current issues related to criminal prosecution and rehabilitation of offenders.
- Demonstrate effective oral and written communication skills applicable in the fields of law enforcement, corrections, or criminal law.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS	3	_____	CORE REQUIREMENTS (21 credits)		
MATH 120 or 124 or above			CRJ 104 Introduction to Administration of Justice	3	_____
ENGLISH COMPOSITION	6-8	_____	CRJ 107 Introduction to Ethics in Criminal Justice	3	_____
ENG 100 or 101 or 113; and 102 or 114			CRJ 120 Community Relations	3	_____
LITERATURE	3	_____	CRJ 130 Survey of Criminal Law	3	_____
ENG 223 or above			CRJ 225 Criminal Evidence	3	_____
ANALYTICAL REASONING	3	_____	CRJ 270 Introduction to Criminology	3	_____
PHIL 102			CRJ 288 Second Year Capstone in Criminal Justice	3	_____
NATURAL SCIENCE	6-7	_____	ELECTIVES (choose 6 credits)		
(Two courses from the following, one must include a lab):			Any CRJ course without B designation; any EMA course.		
ANTH 102; AST; BIOL 101 or above; CHEM 105 or			_____	_____	_____
above; EGG; GEOG 103, 104, 117; GEOL; PHYS			_____	_____	_____
HUMANITIES	6	_____			
COM 101; and one course from the following: ENG 223 or					
above; HIST; International Languages 111 or above;					
PHIL 101, 119, 129, 201, 202, 203					
FINE ARTS	3	_____			
ART; DAN 101; MUS; THTR					
U.S. AND NEVADA CONSTITUTIONS	4	_____			
PSC 101					

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. CRJ 120 fulfills this requirement.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

The AAS degree in Criminal Justice is intended to provide students with the skills, abilities, and knowledge needed in order to become criminal justice practitioners or to transfer to other institutions to continue their education. The degree addresses both the legal and professional aspects of the criminal justice system while integrating crime control and identifying factors that contribute to deviant behavior. The program prepares students seeking entry level employment within the field of criminal justice.

STUDENT LEARNING OUTCOMES

- Summarize the three components (police, corrections, and the courts) of the criminal justice system and the workings of these institutions in society.
- Compare and contrast society's concept of justice with the limitations of the criminal justice system.
- Analyze the overall problem of crime in the United States, including different types of crimes.
- Evaluate current issues related to crime prevention and rehabilitation of offenders.
- Demonstrate effective oral and written communication skills applicable in the fields of law enforcement, corrections, or criminal law.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____
COMMUNICATIONS COM 101	3	_____
HUMAN RELATIONS PSY 101	3	_____
NATURAL SCIENCE ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 105 or above; ENV 101 or above; GEOG 103, 104, 116, 117; GEOL 100 or above; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 102 or above; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106, 109; HIST; International Languages 101B or above; MUS 101 or above	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101	4	_____

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (21 credits)		
CRJ 104 Introduction to Administration of Justice	3	_____
CRJ 107 Introduction to Ethics in Criminal Justice	3	_____
CRJ 120 Community Relations	3	_____
CRJ 130 Survey of Criminal Law	3	_____
CRJ 164 Introduction to Criminal Investigation	3	_____
CRJ 225 Criminal Evidence	3	_____
CRJ 288 Second Year Capstone in Criminal Justice	3	_____
ELECTIVES (choose 18 credits)		
CRJ Electives or any EMA course		_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

The Certificate of Achievement in Criminal Justice is intended to provide students with the skills, abilities, and knowledge needed in order to become criminal justice practitioners. The certificate addresses both the legal and professional aspects of the criminal justice system while integrating crime control and identifying factors that contribute to deviant behavior. The certificate prepares students seeking entry level employment of some positions within the field.

STUDENT LEARNING OUTCOMES

- Summarize the three components (police, corrections, and the courts) of the criminal justice system and the workings of these institutions in society.
- Compare and contrast society’s concept of justice with the limitations of the criminal justice system.
- Analyze the overall problem of crime in the United States, including different types of crimes.
- Evaluate current issues related to crime prevention and rehabilitation of offenders.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER		CR	SEMESTER
<u>COMMUNICATIONS</u>	3	_____	<u>CORE REQUIREMENTS (21 credits)</u>		
COM 101			CRJ 104 Introduction to Administration of Justice	3	_____
			CRJ 107 Introduction to Ethics in Criminal Justice	3	_____
			CRJ 120 Community Relations	3	_____
			CRJ 130 Survey of Criminal Law	3	_____
			CRJ 164 Introduction to Criminal Investigation	3	_____
			CRJ 225 Criminal Evidence	3	_____
			CRJ 288 Second Year Capstone in Criminal Justice	3	_____
			<u>ELECTIVES (choose 6 credits)</u>		_____
			CRJ Electives or any EMA course.		
			_____	_____	_____
			_____	_____	_____
			Computation included in CRJ 164		
			Human Relations included in CRJ 120		

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Criminal Justice Emphasis - Law Enforcement Training Academy Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: CRJLET-AAS

PROGRAM DESCRIPTION

This degree in Criminal Justice, Law Enforcement Training Academy (LETA) Emphasis prepares students for a career as a peace officer with Nevada law enforcement agencies, as prescribed by the State of Nevada, Peace Officer Standards and Training Commission (POST). Testing methodology is structured for an active learning environment which includes written examinations, interactive scenarios, and examination of case studies. Applicants must pass a written examination, oral interview, physical agility test, physical examination, psychological examination, and possess both a Nevada permit to carry a concealed weapon, as well as a Nevada state driver's license. Students accepted into the Academy are required to pay a \$250.00 program fee.

STUDENT LEARNING OUTCOMES

- Employ oral and written communication skills as required by individual law enforcement agencies.
- Distinguish among the Nevada Revised Statutes and propose the appropriate circumstances for charging specific criminal statutes.
- Interpret the U.S. Constitution, Nevada Law, and case law as it relates to specific search and seizure issues.
- Employ proper firing techniques in use of firearms.
- Demonstrate the prescribed use of force in defensive tactics and arrest procedures.
- Acquire proficiency in physical agility activities as indicated in Nevada POST state regulations.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (30 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____
COMMUNICATIONS ENG 107	3	_____
HUMAN RELATIONS HMS 130; MGT 283; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101, 102, 205, 275	3	_____
NATURAL SCIENCE AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106, 109; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113	6	_____
U.S. AND NEVADA CONSTITUTIONS HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	6	_____

SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)

	CR	SEMESTER
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**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Criminal Justice –
Law Enforcement Training Academy Emphasis**

REQUIRED CREDITS: **33**

DEGREE CODE: **CRJLETA-CT**

PROGRAM DESCRIPTION

The Certificate of Achievement in Criminal Justice, Law Enforcement Training Academy (LETA) Emphasis prepares students for a career as a peace officer with Nevada law enforcement agencies, as prescribed by the State of Nevada, Peace Officer Standards and Training Commission (POST). Upon successful completion of the Academy, students will have the ability to take the Nevada POST examination once hired by a law enforcement agency that requires POST certification. Testing methodology is structured for an active learning environment which includes written examinations, interactive scenarios, and examination of case studies. This is a limited entry program. Applicants must pass a written examination, oral interview, physical agility test, physical examination, psychological examination, and possess both a Nevada permit to carry a concealed weapon, as well as a Nevada state driver’s license. Students accepted into the Academy are required to pay a \$250.00 program fee.

STUDENT LEARNING OUTCOMES

- Employ oral and written communication skills as required by individual law enforcement agencies.
- Distinguish among the Nevada Revised Statutes and propose the appropriate circumstances for charging specific criminal statutes.
- Interpret the U.S. Constitution, Nevada law, and case law as it relates to specific search and seizure issues.
- Employ proper firing techniques in use of firearms.
- Demonstrate the prescribed use of force in defense tactics and arrest procedures.
- Acquire proficiency in physical agility activities as indicated in Nevada POST state regulations.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)

	CR	SEMESTER		CR	SEMESTER	
COMMUNICATIONS	3	_____	CRJ 110B	Introduction to Nevada Law Enforcement	3	_____
ENG 107			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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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.

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, emails: aoc@shore.intercom.net or acpha@atlanticbb.net. Also accredited by the American Culinary Federation (ACF), 180 Center Place Way, St. Augustine, FL 32095, (904) 824-4468 | (800) 624-9458, Fax: (904) 940-0741, www.acfchefs.org.

STUDENT LEARNING OUTCOMES

- Integrate basic cooking skills including product identification, knife skills, and cold food production.
- Distinguish between the variety of herbs and spices.
- Prepare commonly used stocks, the foundation sauces, and a variety of small sauces.
- Practice food service sanitation and nutrition standards.
- Produce international cuisine menus for a restaurant.
- Explore overall workings, structure of the hospitality industry, restaurant management, and restaurant job positions in the operation of a campus restaurant and through work experience.
- Investigate purchase and receiving practices, standards, and governing regulations for food service operations.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105	3	_____
HUMAN RELATIONS MGT 283	3	_____
NATURAL SCIENCE ANTH 102; AST; BIOL 101 or above; CHEM; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCE AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106, 109; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 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	_____

- NOTE**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
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PROGRAM DESCRIPTION

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

- Integrate basic cooking skills including product identification, knife skills, and cold food production.
- Distinguish between the variety of herbs and spices.
- Prepare commonly used stocks, the foundation sauces, and a variety of small sauces.
- Practice food service sanitation and nutrition standards.
- Produce international cuisine menus for a restaurant.
- Explore overall workings, structure of the hospitality industry, restaurant management, and restaurant job positions in the operation of a campus restaurant and through work experience.
- Investigate purchase and receiving practices, standards, and governing regulations for food service operations.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

	CR	SEMESTER			CR	SEMESTER
COMMUNICATIONS	3-5	_____	CUL 110	Basic Cookery	4	_____
BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105			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

- NOTE**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Dance

REQUIRED CREDITS: 30

DEGREE CODE: DAN-CT

PROGRAM DESCRIPTION

This certificate provides preparation for those wishing to pursue teaching opportunities in dance, or enhance their ability to succeed in the professional dance world.

STUDENT LEARNING OUTCOMES

- Demonstrate a comprehensive understanding of the basic theoretical elements common to all genres of dance.
- Demonstrate a sound grounding in both ballet and modern dance techniques.
- Demonstrate competency in dance by performing in both informal and formal settings before a live audience.
- Demonstrate critical thinking skills through participation in course offerings such as Dance Appreciation, Improvisation, and Choreography, which encourage creativity, evaluative processes and exposure to a diverse range of aesthetic points of view.
- Exhibit essential rehearsal disciplines expected of professional dancers.
- Demonstrate awareness of the interconnection among related art forms such as music and visual art.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

COMMUNICATIONS
BUS 108 and COM 101

CR SEMESTER

6 _____

SPECIAL PROGRAM REQUIREMENTS (24 CREDITS)

CR SEMESTER

CORE REQUIREMENTS (9 credits)

DAN 101	Dance Appreciation	3	_____
DAN 188	Dance Improvisation	2	_____
DAN 284	Dance Project	2	_____
DAN 288	Choreography	2	_____

Choose one group (2 credits)

Group 1:

DAN 135	Ballet (Beginning)	1	_____
DAN 235	Ballet (Intermediate)	1	_____

Group 2:

DAN 136	Ballet (Beginning/Intermediate)	1	_____
DAN 235	Ballet (Intermediate)	1	_____

Group 3: Take this course twice - (2 credits)

DAN 235	Ballet (Intermediate)	1	_____
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Choose one group (2 credits)

Group 1:

DAN 138	Modern Dance (Beginning)	1	_____
DAN 238	Modern Dance (Intermediate)	1	_____

Group 2: Take this course twice - (2 credits)

DAN 238	Modern Dance (Intermediate)	1	_____
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Choose 2 credits from the following

DAN 281	Dance Performance	1	_____
DAN 287	Concert Dance (Company)	1	_____

Choose 3 credits from the following

DAN 108, 115, 119, 125, 128, 132, 133, 144, 175, 215, 245		3	_____
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FINE ARTS (6 credits)

ART 160	Art Appreciation	3	_____
MUS 121	Music Appreciation	3	_____

Computation included in BUS 108

Human Relations included in COM 101

- NOTE**
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 - 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.



Deaf Studies

REQUIRED CREDITS: 60

DEGREE CODE: DS-AAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)**

	CR	SEMESTER		CR	SEMESTER	
MATHEMATICS MATH 120 or above (except MATH 122, 123)	3	_____	AM 145	American Sign Language I	4	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____	AM 146	American Sign Language II	4	_____
COMMUNICATIONS BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105	3-5	_____	AM 147	American Sign Language III	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 101 or above	3	_____	AM 148	American Sign Language IV	4	_____
NATURAL SCIENCE AST 101 or above; BIOL 101 or above; CHEM 101 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above	6	_____	AM 149	American Sign Language V	4	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; or International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Deaf Studies - Interpreter Preparation Emphasis

REQUIRED CREDITS: 62

DEGREE CODE: DSINT-AAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
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 101 or above	3	_____
NATURAL SCIENCE AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Dental Hygiene

REQUIRED CREDITS: 120

DEGREE CODE: DH-BS

PROGRAM DESCRIPTION

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. Courses are offered online in order to provide flexibility for each student's busy schedule.

This is a limited entry program. Students are admitted as a part-time cohort or full-time cohort by permission of the program director.

Prerequisites:

- A.S. or A.A.S. from an accredited dental hygiene program
- 89 lower division credits*
 - o 30 credits must be lower division general education credits
 - o up to 55 credits may be dental hygiene designated credits
 - o 4-6 credits – U.S. and Nevada constitutions requirement
 - PSC 101; or
 - HIST 101 and HIST 102; or
 - HIST 101 and HIST 217; or
 - HIST 111 and HIST 102; or
 - HIST 111 and HIST 127

*CSN's lower division general education requirements will be satisfied without the necessity for a course by course articulation.

STUDENT LEARNING OUTCOMES

- Acquire and synthesize information in a critical, scientific, and effective manner.
- Justice and defend advanced dental hygiene roles and assume responsibility for health promotion and disease prevention activities for diverse populations by involvement in education and public health programs.
- Interact and collaborate with other health professionals to provide educational services and strategies that promote and advance the health of the public.
- Advocate for the advancement of the dental hygiene body of knowledge and/or conduct research.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

PREREQUISITE LOWER DIVISION CREDITS (89 CREDITS)

	CR	SEMESTER
General Education Credits	30	_____
U.S. and Nevada Constitutions	4-6	_____
Additional Credits	55	_____

UPPER DIVISION**GENERAL EDUCATION REQUIREMENTS (15 CREDITS)**

	CR	SEMESTER
COM 340 Cross Culture Communication in Health Care	3	_____
ENG 333 Professional Communications	3	_____
EPY 303 Educational Psychology	3	_____
PHIL 302 Intermediate Reasoning and Critical Thinking	3	_____
PHIL 311 Professional Ethics	3	_____

SPECIAL PROGRAM REQUIREMENTS (16 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (10 credits)		
DH 400 Leadership and Group Dynamics	2	_____
DH 402 Public Health and Special Populations	2	_____
DH 404 Research Methodology	2	_____
DH 406 Future Directions in Dental Hygiene	2	_____
DH 408 Introduction to Teaching Methodologies	2	_____

SPECIALTY TRACK COURSES (6 credits)

Choose one track

Public Health Track

DH 412 Dental Public Health Administration	2	_____
DH 422 Oral Epidemiology and Biostatistics	2	_____
DH 440 Capstone Seminar I	2	_____

Education Track

DH 418 Advanced Education Concepts	2	_____
DH 428 Clinical/Laboratory Teaching	2	_____
DH 442 Capstone Seminar II	2	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Dental Hygiene

REQUIRED CREDITS: 88

DEGREE CODE: DH-AS

PROGRAM DESCRIPTION

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

- 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.
- Incorporate knowledge of scientific methods and the relationships among theory, experiments and analyses and apply these to a problem or issue in biology.
- Demonstrate knowledge of basic laboratory safety procedures and experimentation skills.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (37 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 127 or 128	3-5	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114,	6-8	_____
LITERATURE ENG 223 or above	3	_____
NATURAL SCIENCE BIOL 223 and 224; and CHEM 121	12	_____
HUMANITIES COM 101 or 102	3	_____
SOCIAL SCIENCE SOC 101 and PSY 101	6	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217	4-6	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

THIS PROGRAM IS INTENDED FOR TRANSFER ONLY TO THE CSN BS IN DENTAL HYGIENE OR TO BE A STAND ALONE DEGREE.

SPECIAL PROGRAM REQUIREMENTS (51 CREDITS)

	CR	SEMESTER
CLS 261 Clinical Microbiology for Dental Hygienists	2	_____
CLS 262 Applied Clinical Microbiology for Dental Hygienists	1	_____
DH 102 Oral Biology	3	_____
DH 104 Dental Hygiene I	3	_____
DH 105 Introduction to Clinical Practice	2	_____
DH 107 Legal and Ethical Implications in Dental Hygiene	2	_____
DH 110 Concepts of Oral Health	2	_____
DH 112 Oral Radiology	3	_____
DH 115 Clinical Practice I	3	_____
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	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



**Dental Assisting –
Clinical Emphasis**

REQUIRED CREDITS: **32**

DEGREE CODE: **DACLIN-CT**

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

CR	SEMESTER		CR	SEMESTER
		COMMUNICATIONS		
3-5	_____	ENG 100 or 101 or 107 or 113		
		CORE REQUIREMENTS (26 credits)		
		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 136B Dental Specialties	3	_____
		Choose one group (3 credits)		
		<i>Group 1:</i>		_____
		DA 128B Dental Radiology	3	_____
		<i>Group 2:</i>		_____
		DA 106B Radiation Protection for Dental Auxiliaries	1	_____
		DA 107B Intraoral Radiographic Technique	2	_____
		Computation included in DA 123B		
		Human Relations included in DA 108B		

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Diagnostic Medical Sonography – Cardiac/Vascular Ultrasound Tract

REQUIRED CREDITS: 92

DEGREE CODE: SONCAR-AAS

PROGRAM DESCRIPTION

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 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

- Evaluate ultrasonic images for appropriate anatomy and recognize pathologic conditions.
- Determine proper sonographic techniques, transducer size, and image settings to obtain quality images while operating ultrasound equipment.
- Assess and facilitate basic patient care and comfort during sonographic procedures.
- Diagnose and adapt ultrasound examinations during the performance of an ultrasound procedure.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (31 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 116 or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105	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 101 or above	3	_____
NATURAL SCIENCE BIOL 223 and 224; and either EGG 131 and EGG 131L; or PHYS 110 or above	12	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above; ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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 (61 CREDITS)

	CR	SEMESTER
HIT 117B Medical Terminology I	1	_____
SON 102B Basic Cardiac Sonography	3	_____
SON 102L Basic Cardiac Sonography Lab	1	_____
SON 116B Echocardiography I	3	_____
SON 125B Sonographic Physics and Instrumentation I	3	_____
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 Laboratory I	1	_____
SON 276B Vascular Sonography II	3	_____
SON 276L Vascular Sonography Laboratory 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	_____

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
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 - 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.



Diagnostic Medical Sonography – General/Vascular Ultrasound Tract

REQUIRED CREDITS: 93

DEGREE CODE: SONVAS-AAS

PROGRAM DESCRIPTION

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

- Evaluate ultrasonic images for appropriate anatomy and recognize pathologic conditions.
- Determine proper sonographic techniques, transducer size, and image settings to obtain quality images while operating ultrasound equipment.
- Assess and facilitate basic patient care and comfort during sonographic procedures.
- Diagnose and adapt ultrasound examinations during the performance of an ultrasound procedure.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (31 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (62 CREDITS)

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 116 or above (except MATH 122, 123)	3	_____	HIT 117B Medical Terminology I	1	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____	SON 101B Basic Sonography	3	_____
COMMUNICATIONS BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105	3	_____	SON 101L Basic Sonography Laboratory	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 101 or above	3	_____	SON 125B Sonographic Physics and Instrumentation I	3	_____
NATURAL SCIENCE BIOL 223 and 224; and either EGG 131 and EGG 131L; or PHYS 110 or above	12	_____	SON 150B Patient Care for Imaging Professions	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above; ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113	3	_____	SON 160B Sonographic Scanning Lab I	2	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217	4-6	_____	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 Laboratory I	1	_____
			SON 276B Vascular Sonography II	3	_____
			SON 276L Vascular Sonography Laboratory 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	_____

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 116 or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 107	3	_____
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 101 or above	3	_____
NATURAL SCIENCE AST 101; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCE AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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 (52 CREDITS)

	CR	SEMESTER
AC 211 Transport Refrigeration	2	_____
DT 104 Diesel Equipment Service	4	_____
DT 115 Diesel/Heavy Equipment Electrical Systems	4	_____
DT 117 Advanced Diesel/Heavy Equipment Electronics	4	_____
DT 136 Diesel Engine Repair I	4	_____
DT 138 Diesel Engine Repair II	4	_____
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	_____

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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
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PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

	CR	SEMESTER			CR	SEMESTER
COMMUNICATIONS	3-5	_____	DT 104	Diesel Equipment Service	4	_____
BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105			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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Economics Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: **ECONGE-AA**

PROGRAM DESCRIPTION

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

- Distinguish between alternative forms of market structure and their resulting social impact.
- Utilize the language of economics to form reasoned judgments about contemporary issues.
- Interpret and manipulate economic data.
- Create an individual financial plan that utilizes investment science and risk management to optimize decision making processes.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

	CR	SEMESTER
MATHEMATICS (with a C or better) MATH 124 or above	3	_____
ENGLISH COMPOSITION (with a C or better) ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102 or 114	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____
HUMANITIES COM 101; and one course from the following: ENG 223 or above; HIST; or PHIL 101, 119, 129, 201, 202, 203; RST	6	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (9 credits)		
ECON 102 Principles of Microeconomics	3	_____
ECON 103 Principles of Macroeconomics	3	_____
ECON 261 Principles of Statistics I	3	_____
SPECIALTY COURSES (9 credits)		
Choose one Track		
General Economics Track		
ECON 180 The Economics of Discrimination	3	_____
ECON 262 Principles of Statistics II	3	_____
Choose one from the following:		
ECON 295 Special Topics in Economics	3	_____
MATH 132 Finite Mathematics (or above)	3	_____
Applied Financial Economics Track		
ECON 274 Investment Economics	3	_____
ECON 275 Risk Management Economics	3	_____
ECON 276 Internship in Financial Economics	3	_____
SOCIAL SCIENCE/ INTERNATIONAL LANGUAGES (8-9 credits)		
Nine credits from at least two different disciplines: ANTH (except 102); GLO; PSC (200 or above); PSY; SOC; WMST 113;		
or		
8 credits in two courses in the same language		

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Early Childhood Education Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: ECEEDUC-AA

PROGRAM DESCRIPTION

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

STUDENT LEARNING OUTCOMES

- 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 learner's 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS	3	_____	CORE REQUIREMENTS (25 credits)		
MATH 120 or 123 or above			ECE 232 Practicum: Infant and Toddler	3	_____
ENGLISH COMPOSITION	6-8	_____	ECE 250 Introduction to Early Childhood Education	3	_____
ENG 100 or 101 or 113; and 102 or 114			ECE 251 Curriculum in Early Childhood Education	3	_____
LITERATURE	3	_____	ECE 252 Infant/Toddler Curriculum	3	_____
ENG 223 or above			ECE 260 Children's Literature	3	_____
ANALYTICAL REASONING	3	_____	EDU 214 Preparing Teachers to Use Technology	3	_____
PHIL 102 or 114			EDU 220 Principles of Educational Psychology	3	_____
NATURAL SCIENCE	6-7	_____	EDU 280 Valuing Cultural Diversity	3	_____
(Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS			EDU 299 Education Portfolio	1	_____
HUMANITIES	6	_____	ELECTIVE (choose 1 credit)		
COM 101 and HIST 217			ECE 151 Math in the Preschool Curriculum	1	_____
FINE ARTS	3	_____	ECE 152 Science in the Preschool Curriculum	1	_____
ART; DAN 101; MUS; THTR			EDU 155 Literacy and the Young Child	1	_____
U.S. AND NEVADA CONSTITUTIONS	4-6	_____			
PSC 101; or HIST 101 and HIST 102; or HIST 111 and HIST 102					

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. EDU 280 fulfills this requirement.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Early Childhood Education – Director Emphasis

REQUIRED CREDITS: 64

DEGREE CODE: ECEDIR-AAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or 120 or above	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105	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 101 or above	3	_____
NATURAL SCIENCE AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above	6	_____
FINE ARTS/HUMANITIES/SOCIAL SCIENCE AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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
CORE REQUIREMENTS (36 credits)		
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	_____
Choose one from the following (3 credits)		
BUS 101 Introduction to Business	3	_____
BUS 102B Entrepreneurship and Innovation	3	_____
MGT 103 Introduction to Small Business Management	3	_____

- NOTE**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Early Childhood Education – Early Care and Education Emphasis

REQUIRED CREDITS: 67

DEGREE CODE: ECEECE-AAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (42 CREDITS)

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS	3	_____	CORE REQUIREMENTS (37 credits)		
MATH 104B or 120 or above (except MATH 122, 123)			ECE 122 Observation Skills	1	_____
ENGLISH COMPOSITION	3-5	_____	ECE 130 Infancy	3	_____
ENG 100 or 101 or 107 or 113			ECE 155 Literacy and the Young Child	1	_____
COMMUNICATIONS	3	_____	ECE 156 Music in the Preschool Curriculum	1	_____
BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105			ECE 157 Art in the Preschool Curriculum	1	_____
HUMAN RELATIONS	3	_____	ECE 158 Activities for Physical Development in Young Children	1	_____
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 101 or above			ECE 200 The Exceptional Child	3	_____
NATURAL SCIENCE	6	_____	ECE 202 Understanding Human Growth and Development	3	_____
AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above			ECE 204 Principles of Child Guidance	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES	3	_____	ECE 235 Adapting Curricula for Young Children with Special Needs	3	_____
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113			ECE 245 Practicum Seminar	2	_____
U.S. AND NEVADA CONSTITUTIONS	4-6	_____	ECE 250 Introduction to Early Childhood Education	3	_____
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217			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	_____
			SPECIALTY COURSES (5 Credits)		
			Choose one concentration		
			Preschool		
			ECE 151 Math in the Preschool Curriculum	1	_____
			ECE 152 Science in the Preschool Curriculum	1	_____
			ECE 231 Preschool Practicum	3	_____
			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	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Early Childhood Education –
Infant/Toddler Education Emphasis**

REQUIRED CREDITS: **41**

DEGREE CODE: **ECETOD-CT**

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (9 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (32 CREDITS)

	CR	SEMESTER			CR	SEMESTER
MATHEMATICS	3	_____	ECE 121	Parent Caregiver Relationships	1	_____
MATH 104B or above			ECE 122	Observation Skills	1	_____
COMMUNICATIONS	6-8	_____	ECE 123	Health and Nutrition for Young Children	1	_____
3-5 credits from the following:			ECE 127	Role of Play for Infants and Toddlers	1	_____
BUS 108; ENG 100, 101, 102, 107, 113, 114, 205;			ECE 130	Infancy	3	_____
JOUR 102			ECE 134	Guiding Infant/Toddlers	1	_____
Plus 3 credits from the following:			ECE 157	Art in the Preschool Curriculum	1	_____
COM 101 or 102 or 215			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

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Early Childhood Education –
Preschool Education Emphasis**

REQUIRED CREDITS: 42

DEGREE CODE: ECEPRE-CT

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (9 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)

	CR	SEMESTER			CR	SEMESTER
MATHEMATICS	3	_____	ECE 121	Parent Caregiver Relationships	1	_____
MATH 104B or above			ECE 122	Observation Skills	1	_____
COMMUNICATIONS	6-8	_____	ECE 123	Health and Nutrition for Young Children	1	_____
3-5 credits from the following:			ECE 151	Math in the Preschool Curriculum	1	_____
BUS 108; ENG 100, 101, 102, 107, 113, 114, 205;			ECE 152	Science in the Preschool Curriculum	1	_____
JOUR 102			ECE 155	Literacy and the Young Child	1	_____
Plus 3 credits from the following:			ECE 156	Music in the Preschool Curriculum	1	_____
COM 101 or 102 or 215			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		

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Elementary Education Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: ELEM-AA

PROGRAM DESCRIPTION

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

STUDENT LEARNING OUTCOMES

- 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 learner's 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 elementary education.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (35 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or above	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102 or 114	3	_____
NATURAL SCIENCE BIOL 101 and GEOG 103	7	_____
HUMANITIES COM 101 and HIST 217	6	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 111 and HIST 102	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (24 credits)		
CHEM 105 Chemistry, Man and Society	3	_____
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	3	_____
EDU 280 Valuing Cultural Diversity	3	_____
EDU 299 Education Portfolio	1	_____
MATH 122 Number Concepts for Elementary School Teachers	3	_____
ELECTIVE (choose 1 transferable credit)		_____
Recommended courses include		
CHEM 106 Beginning Chemistry Laboratory	1	_____
GEOG 104 Physical Geography Laboratory	1	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. EDU 280 fulfills this requirement.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Secondary Education Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: **SECEDSC-AA**
SECEDSO-AA
SECEDHU-AA**PROGRAM DESCRIPTION**

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

STUDENT LEARNING OUTCOMES

- Demonstrate 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.
- 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 learner's 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 secondary education.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or above	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 111 and HIST 102	4-6	_____
VALUES AND DIVERSITY All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. EDU 280 fulfills this requirement.		

(See a counselor or advisor to select the section that is appropriate for your career path)

FOR A SOCIAL SCIENCE TEACHING FIELD (SECEDSO-AA)		
ANALYTICAL REASONING PHIL 102 or 114	3	_____
HUMANITIES COM 101 and HIST 217	6	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____
FOR A LIFE SCIENCE AND PHYSICAL SCIENCE/ ANALYTICAL REASONING TEACHING FIELD (SECEDSC-AA)		
HUMANITIES COM 101 and HIST 217	6	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____
SOCIAL SCIENCE (Nine credits must be from three different disciplines): ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; SOC; WMST 113	9	_____

GENERAL EDUCATION REQUIREMENTS CONTINUED

	CR	SEMESTER
FOR A HUMANITIES/FINE ARTS TEACHING FIELD (SECEDHU-AA)		
ANALYTICAL REASONING PHIL 102 or 114	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____
SOCIAL SCIENCE (Nine credits must be from three different disciplines): ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; SOC; WMST 113	9	_____

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (15 credits)		
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	3	_____
EDU 280 Valuing Cultural Diversity	3	_____
EDU 299 Education Portfolio	1	_____
ELECTIVES (choose 11 transferable credits)		
_____		_____
_____		_____
_____		_____
_____		_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Special Education Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: ECESPEC-AA

PROGRAM DESCRIPTION

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

STUDENT LEARNING OUTCOMES

- Demonstrate 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.
- 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 learner’s 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 special education.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

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

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (15 credits)		
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	3	_____
EDU 280 Valuing Cultural Diversity	3	_____
EDU 299 Education Portfolio	1	_____
ELECTIVES (choose 11 credits) <i>See a counselor to select transferable credits</i>		_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. EDU 280 fulfills this requirement.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Engineering Technology - Electronics Emphasis

REQUIRED CREDITS: 64

DEGREE CODE: ETELEC-AAS

PROGRAM DESCRIPTION

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 Engineering Technology Accreditation Commission of ABET, 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 work force with professional work ethics and 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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
MATHEMATICS ET 111B; or MATH 127 or higher	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____
COMMUNICATIONS COM 115 or 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 101 or above	3	_____
NATURAL SCIENCE EGG 131 and 131L and 132	8	_____
FINE ARTS/HUMANITIES/SOCIAL SCIENCE AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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
CORE REQUIREMENTS (24 credits)		
ET 104B Fabrication and Soldering Techniques	2	_____
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	_____
Choose one from the following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____
SPECIALTY COURSES (13-19 credits)		
Choose one concentration		
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	_____
Defense Contractor Technician		
ET 205B Power Supply Theory and Repair	3	_____
ET 289B Electrical Troubleshooting	4	_____
ET 293B Telecommunication Transmission Methods	3	_____

Continued on next page



Engineering Technology - Electronics Emphasis (continued)

REQUIRED CREDITS: 64

DEGREE CODE: ETELEC-AAS

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 206B	Video Monitor Theory and Repair (or above)	1-4

Biomedical Equipment Technician

CIT 110	A+ Hardware	3
CIT 112B	Network+	3
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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Engineering Technology -
Electronics Emphasis**

REQUIRED CREDITS: **33**

DEGREE CODE: **ETELEC-CT**

PROGRAM DESCRIPTION

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

- 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, Karanaugh 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

	CR	SEMESTER
MATHEMATICS ET 111B	3	_____
COMMUNICATIONS COM 115; or ENG 100 or 101 or 107 or 113	3-5	_____

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 ET 111B
Human Relations included in ET 131B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Engineering Technology - Industrial Emphasis

REQUIRED CREDITS: 62

DEGREE CODE: ETINDU-AAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
MATHEMATICS ET 111B; or MATH 116 or 124 or 126 or 127	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 108; or COM 101 or 115	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 101 or above	3	_____
NATURAL SCIENCE EGG 131 and 131L; and MT 102B or ET 131B	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above, ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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
CORE REQUIREMENTS (35 credits)		
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	_____
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	_____
Choose one from the following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Engineering Technology -
Industrial Emphasis**

REQUIRED CREDITS: **32**

DEGREE CODE: **ETINDU-CT**

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS			CORE REQUIREMENTS (29 credits)		
COM 115 or ENG 107	3	_____	CADD 100 Introduction to Computer Aided Drafting	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	_____
			Choose one from the following (0-3 credits)		_____
			IS 100B Core Computing Competency	0	
			IS 101 Introduction to Information Systems	3	
			Computation included in MT 102B, 104B		
			Human Relations included in MT 115B, 116B		

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Engineering Technology -
Management Emphasis**

REQUIRED CREDITS: **33**

DEGREE CODE: **ETMGT-CT**

PROGRAM DESCRIPTION

The Certificate of Achievement in Engineering Technology - Management Emphasis is designed for students who hold an associate degree in Engineering Technology with Emphasis in either Electronics, Telecommunications, or Slot and Self-Service Device Technology. This certificate is intended for students who wish to develop their managerial, technical, and employability skills beyond a two-year degree in Engineering Technology and fulfill the growing demand for entry-level engineering technologists. This certificate is a 12- to 18-month program. It is also used for the third year of a 3 + 1 path to a bachelor's degree (see a counselor for which associate degrees fulfill this requirements for the 3 + 1 the programs with other schools).

STUDENT LEARNING OUTCOMES

- Demonstrate advanced technical proficiency in general engineering technology.
- Demonstrate skills in leadership, resource management, quality assurance, and productivity analysis.
- Incorporate work-based experience gained from ET course work, internships, and other employment-focused activities.
- Recommend best practices in service and support.
- Evaluate project performance from a management perspective.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

	CR	SEMESTER
COMMUNICATIONS	3	_____
ENG 102		
Plus 3 Credits	3	_____
COM 115 or MUS 231		

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (3 credits)		
ET 494 Senior Project	3	_____
Choose 18 credits from the following (18 credits)		_____
CIT 319 Managing Business Data Networks	3	
CIT 363 Advanced Project Management and Earned Value	3	
ET 301 Customer Service Management	3	
ET 313 Advanced Radar	3	
ET 389 Advanced Electronics Troubleshooting	3	
ET 410 Business Telecommunications	3	
ET 420 Control Systems	3	
ET 430 Electrical Power Systems	3	
Select 6 credits from the following that were NOT used for your AAS degree (6 credits)		_____
CIT; CPE; CSCO; EE; EGG; ET; MATH 124 or higher; PHYS; MT 104B, 115B, 116B		
Computation included in ET 494		
Human Relations included in ET 494		

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Engineering Technology – Operations Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: ETOPER-AAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
MATHEMATICS ET 111B; or MATH 116 or 124 or 126 or 127	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 108; or COM 101 or 115	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 101 or above	3	_____
NATURAL SCIENCE EGG 131 and 131L; and MT 102B or ET 131B	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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
CORE REQUIREMENTS (30 credits)		
AC 103B Introduction to HVAC Mechanical Theory and Application	5	_____
CONS 120B Printreading and Specifications	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	_____
Choose one from the following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____
ELECTIVES (choose 3-4 credits)		
Any course with ET or MT prefix		
_____	_____	_____
_____	_____	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Engineering Technology -
Operations Emphasis**

REQUIRED CREDITS: **30**

DEGREE CODE: **ETOPER-CT**

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

	CR	SEMESTER
COMMUNICATIONS COM 115 or ENG 107	3	_____

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (24 credits)		
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	_____
ELECTIVES (choose 3 credits)		
Any course with EGG, ET, MT prefix		
_____	_____	_____

Computation included in MT 102B
Human Relations included in MT 102B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Engineering Technology - Power Utility Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: ETPWR-AAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
MATHEMATICS ET 111B; or MATH 116 or 124 or 126 or 127	3	_____

ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
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COMMUNICATIONS BUS 108; or COM 101 or 115	3	_____
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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 101 or above	3	_____
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NATURAL SCIENCE EGG 131 and 131L; and MT 102B or ET 131B	8	_____
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FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113	3	_____
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U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217	4-6	_____
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SPECIAL PROGRAM REQUIREMENTS (33 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (22 credits)		
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	_____

SPECIAL PROGRAM REQUIREMENTS CONTINUED

	CR	SEMESTER
Choose one from the following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____

SPECIALTY COURSES (11 credits)

Choose eleven credits from one concentration

Electrical Maintenance

AC 102B Introduction to HVAC Electrical Theory and Application	5	_____
AC 103B Introduction to HVAC Mechanical Theory and Application	5	_____
CADD 105 Intermediate Computer Aided Drafting	3	_____
ET 100B Survey of Electronics	3	_____
ET 104B Fabrication and Soldering Techniques	2	_____
ET 106B Test Equipment Operation	3	_____
ET 132B AC for Electronics	4	_____
MT 180B Co-Op/Internship First Semester	3	_____
MT 181B Co-Op/Internship Second Semester	3	_____
WWT 101B Wastewater Treatment I	3	_____

Mechanical Maintenance

CADD 105 Intermediate Computer Aided Drafting	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	_____
WWT 101B Wastewater Treatment I	3	_____

Plant Operation

CADD 105 Intermediate Computer Aided Drafting	3	_____
EMA 101 Principles of Emergency Management	3	_____
EMA 102 Disaster Mitigation and Preparedness	3	_____
ET 100B Survey of Electronics	3	_____
ET 104B Fabrication and Soldering Techniques	2	_____
ET 106B Test Equipment Operation	3	_____
MT 180B Co-Op/Internship First Semester	3	_____
MT 181B Co-Op/Internship Second Semester	3	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Engineering Technology -
Power Utility Emphasis**

REQUIRED CREDITS: **31**

DEGREE CODE: **ETPWR-CT**

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

	CR	SEMESTER
MATHEMATICS ET 111B; or MATH 116 or 124 or 126 or 127	3	_____
COMMUNICATIONS COM 115 or ENG 107	3	_____

SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)

CORE REQUIREMENTS (19 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	_____

SPECIALTY COURSES (6 Credits)

Choose six credits from one concentration

Electrical Maintenance

EGG 131 Technical Physics I	3	_____
EGG 131L Technical Physics I - Lab	1	_____
ET 100B Survey of Electronics	3	_____
ET 104B Fabrication and Soldering Techniques	2	_____
ET 106B Test Equipment Operation	3	_____
MT 110B Material Science I (Ferrous and Non-Ferrous)	4	_____
MT 180B Co-Op/Internship First Semester	3	_____
WWT 101B Wastewater Treatment I	3	_____

SPECIAL PROGRAM REQUIREMENTS CONTINUED

	CR	SEMESTER
Mechanical Maintenance		_____
EGG 131 Technical Physics I	3	_____
EGG 131L Technical Physics I - Lab	1	_____
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	_____
Plant Operations		_____
EGG 131 Technical Physics I	3	_____
EGG 131L Technical Physics I - Lab	1	_____
EMA 101 Principles of Emergency Management	3	_____
EMA 102 Disaster Mitigation and Preparedness	3	_____
ET 100B Survey of Electronics	3	_____
ET 104B Fabrication and Soldering Techniques	2	_____
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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Engineering Technology - Slot and Self-Serve Device Technology Emphasis

REQUIRED CREDITS: 63

DEGREE CODE: ETSLSE-AAS

PROGRAM DESCRIPTION

The degree provides students with the necessary skills to assist in the planning, design, troubleshooting, and maintenance of various devices such as ATMs, kiosks, slot machines and related devices. Instruction includes network management systems such as player tracking/slot management systems or ATM Network Monitoring systems. The appropriate regulations, such as slot machines, 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 that use 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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
MATHEMATICS ET 111B or MATH 127 or higher	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____
COMMUNICATIONS COM 115 or 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 101 or above	3	_____
NATURAL SCIENCE EGG 131 and 131L and ET 131B	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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
CORE REQUIREMENTS (23 credits)		
CIT 110 A+ Hardware	3	_____
CIT 112B Network+	3	_____
CSCO 105B Fundamentals of Voice and Data Cabling	3	_____
ET 132B AC for Electronics	4	_____
ET 212B Digital Logic I	4	_____
ET 238B Device Peripherals	3	_____
ET 294B EET Capstone	3	_____
Choose from the following (2-3 credits)		
ET 100B Survey of Electronics	3	_____
ET 104B Fabrication and Soldering Techniques	2-3	_____
Choose one from the following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____
Choose from the following (4 credits)		
ET 205B Power Supply Theory and Repair	2-3	_____
ET 206B Video Monitor Theory and Repair	2-3	_____
ET 289B Electrical Troubleshooting	4	_____
SPECIALTY COURSES (7-9 credits)		
Choose one concentration		
Slot Technology Technicians		
CIT 263B Project Management	3	_____
ET 138B Introduction to Slot Machine Technology	3	_____
GAM 225 Introduction to Gaming Management	3	_____
Self-Service Device Technicians		
ACC 135B Bookkeeping I	3	_____
CSCO 120 CCNA Internetworking Fundamentals	4	_____

- NOTE**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Engineering Technology -
Slot Repair Emphasis**

REQUIRED CREDITS: **31**

DEGREE CODE: **ETSLOT-CT**

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

	CR	SEMESTER
COMMUNICATIONS COM 115; or ENG 100 or 101 or 107 or 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 111B Mathematics for Electronics Applications	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	_____

Computation included in ET 111B
Human Relations included in CSCO 105B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Engineering Technology – Telecommunications Emphasis

REQUIRED CREDITS: 63

DEGREE CODE: ETELCOAAS

PROGRAM DESCRIPTION

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 Engineering Technology Accreditation Commission of ABET, 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 ethics, 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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
MATHEMATICS ET 111B or MATH 127	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____
COMMUNICATIONS COM 115 or 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	_____
NATURAL SCIENCE EGG 131 and 131L and ET 131B	8	_____
FINE ARTS/HUMANITIES/SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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
CORE REQUIREMENTS (33 credits)		
CIT 112B Network+	3	_____
CSCO 105B Fundamentals of Voice and Data Cabling	3	_____
CSCO 120 CCNA Internetworking Fundamentals	4	_____
ET 108B Telecommunications and the Information Age	3	_____
ET 132B AC for Electronics	4	_____
ET 212B Digital Logic I	4	_____
ET 228B Data Acquisition	3	_____
ET 282B Microprocessors I	3	_____
ET 293B Telecommunication Transmission Methods	3	_____
ET 294B EET Capstone	3	_____
Choose one from the following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____
ELECTIVES (choose 3 credits)		
CIT 110 A+ Hardware	3	_____
CSCO 121 CCNA Routing and Switching Essentials (or higher)	3-4	_____
ET 106B Test Equipment Operation	3	_____
ET 205B Power Supply Theory and Repair (or higher)	3-4	_____
IS 115 Introduction to Programming	3	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Engineering Technology -
Telecommunications Emphasis**

REQUIRED CREDITS: **32**

DEGREE CODE: **ETTELCO-CT**

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

	CR	SEMESTER
COMMUNICATIONS COM 115; or ENG 100 or 101 or 107 or 113	3-5	_____

SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

	CR	SEMESTER
CIT 110 A+ Hardware	3	_____
CIT 112B Network+	3	_____
CSCO 105B Fundamentals of Voice and Data Cabling	3	_____
CSCO 205B Fiber Optic Cabling	3	_____
ET 106B Test Equipment Operation	3	_____
ET 108B Telecommunications and the Information Age	3	_____
ET 111B Mathematics for Electronics Applications	3	_____
ET 131B DC for Electronics	4	_____
ET 132B AC for Electronics	4	_____

Computation included in ET 111B
Human Relations included in CSCO 105B, ET 132B

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Engineering Technology – Theatre Technology Emphasis

REQUIRED CREDITS: 63

DEGREE CODE: ETTHTR-AAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
MATHEMATICS ET 111B; or MATH 116 or 120 or 124 or 126 or 127	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 108; or COM 101 or 115	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	_____
NATURAL SCIENCE EGG 131 and 131L; and MT 102B or ET 131B	8	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES MUS 231	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
CORE REQUIREMENTS (30 credits)		
ADT 100B Introduction to Drafting Theory	3	_____
CADD 100 Introduction to Computer Aided Drafting	3	_____
ET 104B Fabrication and Soldering Techniques	2	_____
MT 101B Introduction to Theater Technology	2	_____
MT 104B Industrial Electricity	4	_____
MT 106B Mechanical Power Transmission	4	_____
MT 108B Fluid Power (Pneumatics, Hydraulics, Instrumentation)	4	_____
THTR 204 Theater Technology I	3	_____
THTR 214 Theater Technology II	3	_____
WELD 132B Oxy/Fuel, Plasma and Carbon Arc-Air Cutting Operations	2	_____
Choose one from the following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____
ELECTIVES (choose 6 credits)		
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	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Engineering Technology -
Theatre Emphasis**

REQUIRED CREDITS: **31**

DEGREE CODE: **ETTHTR-CT**

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

	CR	SEMESTER
COMMUNICATIONS	3-5	_____
COM 115; or ENG 100 or 101 or 107		

SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (25 credits)		
ADT 100B Introduction to Drafting Theory	3	_____
CADD 100 Introduction to Computer Aided Drafting	3	_____
ET 104B Fabrication and Soldering Techniques	2	_____
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	_____
Choose one from the following (0-3 credits)		_____
IS 100B Core Computing Competency	0	
IS 101 Introduction to Information Systems	3	
ELECTIVES (choose 3-4 credits)		_____
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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



English Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: ENG-AA

PROGRAM DESCRIPTION

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

- Address purpose, audience, and rhetorical situation.
- Produce writing that demonstrates academic reading skills.
- Use a process approach to compose well-developed, research-based essays.
- Create an argumentative and/or exploratory thesis supported by textual evidence.
- Locate, evaluate, and integrate information sources.
- Summarize, analyze, synthesize, apply, and document source material.
- Control conventions of language, mechanics, and MLA format.
- Use critical reading and writing skills to engage and analyze literary texts.
- Demonstrate ability to connect literary works.
- Demonstrate ability to contextualize literary works.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS	3	_____	CORE REQUIREMENTS (14 credits)		
MATH 120 or 124 or above; or STAT 152			COM 101 Oral Communication	3	_____
ENGLISH COMPOSITION	6-8	_____	International Languages 111 or above (courses must be in a single language)	8	_____
ENG 100 or 101 or 113; and 102 or 114			ENG 298 Writing About Literature	3	_____
ANALYTICAL REASONING	3	_____	Choose six credits from the following:		
PHIL 102 or 114			ENG 223 or above	6	_____
NATURAL SCIENCE	6-7	_____	ELECTIVES (choose 6 credits)		
(Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117; GEOL; PHYS			ENG 235 Survey of English Literature I	3	_____
FINE ARTS	3	_____	ENG 236 Survey of English Literature II	3	_____
ART; DAN 101; MUS; THTR			ENG 241 Survey of American Literature I	3	_____
SOCIAL SCIENCE	9	_____	ENG 242 Survey of American Literature II	3	_____
(Nine credits must be from three different disciplines): ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; SOC; WMST 113					
U.S. AND NEVADA CONSTITUTIONS	4-6	_____			
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217					

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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 firefighters 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

- Demonstrate donning of Hazardous Materials suits and self-contained breathing apparatus.
- Conduct a basic fire inspection.
- Conduct a basic fire investigation.
- Identify the working components of a fire protection system.
- Distinguish the different types of construction methods used in the building of various types of structures.
- Complete the State of Nevada Certification requirements in the following categories: Hazardous Materials Operations and Awareness, Fire Instructor I, Fire Officer I.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 107 and COM 101	6	_____
HUMAN RELATIONS HMS 130; MGT 283; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101, 102, 202, 205, 275	3	_____
NATURAL SCIENCE ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106, 109; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; THTR 100 or above; WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (36 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (24 credits)		
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	_____
ELECTIVES (choose 12 credits)		
FT 110 Basic Wildland Firefighting	3	_____
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	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Fire Science Technology -
Fire Fighting Emphasis**

REQUIRED CREDITS: **34**

DEGREE CODE: **FSTFF-CT**

PROGRAM DESCRIPTION

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 Marshal’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 Marshal’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 service.

STUDENT LEARNING OUTCOMES

- Demonstrate donning of Hazardous Materials suits and self-contained breathing apparatus.
- Conduct a basic fire inspection.
- Conduct a basic fire investigation.
- Identify the working components of a fire protection system.
- Distinguish the different types of construction methods used in the building of various types of structures.
- Complete the State of Nevada Certification requirements in the following categories: Hazardous Materials Operations and Awareness, Fire Instructor I, Fire Officer I, and wildland firefighting red card certification.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

	CR	SEMESTER			CR	SEMESTER
COMMUNICATIONS	6	_____	FT 101	Principles of Emergency Services	3	_____
BUS 107 and COM 101			FT 104	Nevada Firefighter I	3	_____
			FT 105	Fire Behavior and Combustion	3	_____
			FT 109B	Internship in Firefighting	1	_____
			FT 110	Basic Wildland Firefighting	3	_____
			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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS COM 115	3	_____
HUMAN RELATIONS ALS 101 or MGT 100B or PSY 101	3	_____
NATURAL SCIENCE AST 101 or BIOL 120 or ENV 101	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES ART 101 or GEOG 106	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 (38 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (30 credits)		
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 240B Advanced Weddings	3	_____
IS 101 Introduction to Information Systems	3	_____
MGT 103 Introduction to Small Business Management	3	_____
PHO 101B Beginning Photography	3	_____
Choose one from the following (3 credits)		
ACC 135B Bookkeeping I	3	_____
ACC 201 Financial Accounting	3	_____
ELECTIVES (choose 5 credits)		
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	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

	CR	SEMESTER
COMMUNICATIONS	3	_____
COM 115		

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (24 credits)		
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 240B Advanced Weddings	3	_____
PHO 101B Beginning Photography	3	_____
ELECTIVES (choose 3 credits)		
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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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.

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, emails: aoc@shore.intercom.net or acpha@atlanticbb.net. Also accredited by the American Culinary Federation (ACF), 180 Center Place Way, St. Augustine, FL 32095, (904) 824-4468 | (800) 624-9458, Fax: (904) 940-0741, www.afchefs.org.

STUDENT LEARNING OUTCOMES

- Demonstrate the management skills required for the successful operation of a restaurant.
- Practice food service sanitation and nutrition standards; successfully passing the National Restaurant Association examinations.
- Explain the functions of a professional kitchen.
- Design and organize detailed and profitable restaurant menus.
- Integrate food service math skills into restaurant financial accounting and internal controls.
- Evaluate a food and beverage operation for compliance with specific hotel, restaurant, and gaming laws.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105	3	_____
HUMAN RELATIONS ALS 101; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 283; PHIL 135	3	_____
NATURAL SCIENCE ANTH 102 or above; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106, 109; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (39 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 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	_____
TCA 221 Hospitality Accounting I	3	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- Demonstrate the management skills required for the successful operation of a restaurant.
- Practice food service sanitation and nutrition standards and successfully pass the National Restaurant Association examinations.
- Explain the functions of a professional kitchen.
- Design and organize detailed and profitable restaurant menus.
- Integrate food service math skills into restaurant financial accounting and internal controls.
- Evaluate a food and beverage operation for compliance with specific hotel, restaurant, and gaming laws.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

	CR	SEMESTER		CR	SEMESTER	
COMMUNICATIONS	3-5	_____	CUL 110	Basic Cookery	4	_____
BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105			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

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS	3	_____	ELECTIVES (choose 35 credits)		_____
MATH 104B or above			<i>See a counselor to select courses.</i>		
COMMUNICATIONS	6-8	_____			_____
ENG 100 or 101 or 113; and one course from the following: BUS 107, 108; COM 101, 102, 215; ENG 102, 107, 114, 205; JOUR 102; THTR 105					
HUMANITIES	3	_____			_____
AM; COM; ENG 223 or above; HIST; International Languages; PHIL; RST					
FINE ARTS	3	_____			_____
ART; DAN 101; MUS; THTR					
NATURAL SCIENCE	3	_____			_____
AST; BIOL; CHEM; EGG 131, 132; ENV; GEOG 103, 104, 116, 117; GEOL; PHYS					
SOCIAL SCIENCE	3	_____			_____
ANTH; CRJ 104; ECON; GEOG 106, 109; PSC; PSY; SOC; WMST 113					
U.S. AND NEVADA CONSTITUTIONS	4-6	_____			_____
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217			Counselor Signature _____	Date _____	
			Student Signature _____	Date _____	

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (33 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or 124 or above	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102 or 114	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117	6-7	_____
HUMANITIES COM 101	3	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____
U.S. AND NEVADA CONSTITUTIONS HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	6	_____
VALUES AND DIVERSITY All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.		

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (15 credits)		
GEOG 106 World Geography	3	_____
GLO 101 Introduction to Global Studies	3	_____
HIST 209 World History II	3	_____
PHIL 216 Philosophy of Human Nature	3	_____
GLO 299 Capstone in Global Studies	3	_____
Choose one from the following (3 credits)		
PSC 200 Survey of Political Theory	3	_____
PHIL 207 Social and Political Philosophy	3	_____
PHIL 210 World Religions	3	_____
Choose one from the following (3 credits)		
PSC 211 Introduction to Comparative Politics	3	_____
PSC 231 Introduction to International Relations	3	_____
ELECTIVES (choose 6 credits)		
ANTH 201 Peoples and Cultures of the World	3	_____
ENV 220 Introduction to Ecological Principles	3	_____
PSC 222 Terrorism and Political Violence	4	_____
PSC 246 Politics of Developing Nations	3	_____
ECON 295* Special Topics in Economics	3	_____
GLO 295* Topical Issues in Global Studies	3	_____
HIST 295* Topical Issues in History	3	_____
PHIL 295* Topical Issues in Philosophy	3	_____
PSC 295* Topical Issues in Political Science	3	_____
WMST 295* Special Topics	3	_____

*Consult with Department Chair before completing this course.

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Graphic Communications

REQUIRED CREDITS: 60

DEGREE CODE: GRC-AAS

PROGRAM DESCRIPTION

This program trains people to use digital tools for employment in design and creative production fields. 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. Graphic Designer may design identity and collateral materials (like logos, brochures, advertising materials) or layouts for print or web publications. The Web Designer creates graphics, presentations (some interactive), web pages targeted for viewing on a screen.

STUDENT LEARNING OUTCOMES

- Diagnose and provide solutions that meet spoken and visual communication challenges using graphic design appropriate for a targeted audience/market.
- Create marketable vector and bitmap artwork using a variety of techniques at a professional level using industry workflow applicable to graphic design, multimedia and online development.
- Assemble deliverables for digital and printed communication media.
- Provide professional portfolio quality designs, illustrations, typography and layouts.
- Model appropriate and acceptable soft skills in a team environment required for entry-level employment in the field of graphic communications.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or 120 or 124 or above	3	_____
ENGLISH COMPOSITION ENG 101 or 107 or 113	3	_____
COMMUNICATIONS BUS 108; COM 101, 102, 215; JOUR 102	3	_____
HUMAN RELATIONS ALS 101; ANTH 101, 112, 201, 205; HIST 105 or above; HMS 130, 135B, 265B; MGT 100B, 283; PHIL 135, 216, 245; PSC 201	3	_____
NATURAL SCIENCE AST 101, 103, 104, 105; BIOL 101; CHEM 103, 105, 107; ENV 101; GEOG 103, 104, 117; GEOL 100; PHYS 110	3-4	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 204; ART 101, 105, 107, 135, 141, 160, 253; COM 133, 180; ECON 100; GEOG 106 or above; PHIL 101, 102 or above; PSY 101, 102, 206, 207, 208; SOC 101, 205, 210, 225, 261; THTR 100 or above; WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (29 credits)		
GRC 101 Introduction to Graphic Communications	3	_____
GRC 103 Introduction to Computer Graphics	3	_____
GRC 104 Layout and Typography	3	_____
GRC 107 Design Fundamentals	3	_____
GRC 110 Drawing and Illustration	2	_____
GRC 119 Digital Media	3	_____
GRC 140 Print Production with InDesign	3	_____
GRC 156B Design with Illustrator	3	_____
GRC 183B Design with Photoshop	3	_____
GRC 294B Portfolio Prep	3	_____
SPECIALTY COURSES (9 credits) Choose one concentration		
Graphic Design		_____
GRC 205 History of Design	3	_____
GRC 207 Electronic Design	3	_____
GRC 278B Advanced Design and Production	3	_____
Web Design		_____
GRC 175B Web Design I	3	_____
GRC 275B Web Design II	3	_____
GRC 276B Web Design III	3	_____

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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (24 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (44 CREDITS)**

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS	3	_____	CORE REQUIREMENTS (42 credits)		
MATH 104B or above (except MATH 122, 123)			COT 127B Microsoft Office for Offices	3	_____
ENGLISH COMPOSITION	3-5	_____	HIT 105B Healthcare Delivery Systems	2	_____
ENG 100 or 101 or 113			HIT 106B Healthcare Reimbursement	2	_____
COMMUNICATIONS	3	_____	HIT 118B Language of Medicine	3	_____
BUS 108; COM 101, 102, 215; ENG 102, 107, 114, 205; JOUR 102; THTR 105			HIT 119B Introduction to Pharmacology and Laboratory Tests	2	_____
HUMAN RELATIONS	3	_____	HIT 130B Procedural Terminology	1	_____
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 101 or above			HIT 165B Pathophysiology	4	_____
NATURAL SCIENCE	5	_____	HIT 170B Healthcare Computer Applications	3	_____
HHP 123B and 124B			HIT 180B Introduction to Health Information Management	2	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES	3	_____	HIT 184B Introduction to ICD Coding	2	_____
PHIL 102			HIT 185B Introduction to CPT Coding	3	_____
U.S. AND NEVADA CONSTITUTIONS	4	_____	HIT 187B Introduction to ICD-PCS Coding	2	_____
PSC 101			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	_____
			Choose one from the following (2 credits)		
			HIT 208B Professional Practice Experience II	2	_____
			HIT 299B Selected Topics in Health Information Technology	2	_____

- NOTE**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



History Emphasis

REQUIRED CREDITS: 62

DEGREE CODE: HIST-AA

PROGRAM DESCRIPTION

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

- 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..

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (35 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or 124 or above	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102	3	_____
NATURAL SCIENCE (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 SCIENCE (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	_____
VALUES AND DIVERSITY All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.		

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (12 credits)		
HIST 101 U.S. History I	3	_____
HIST 102 U.S. History II	3	_____
HIST 217 Nevada History	3	_____
HIST 251 Historical Investigation	3	_____
Choose one from the following (3 credits)		
HIST 105 European Civilization to 1648	3	_____
HIST 208 World History I	3	_____
Choose one from the following (3 credits)		
HIST 106 European Civilization Since 1648	3	_____
HIST 209 World History II	3	_____
ELECTIVES (choose 3 credits)		
HIST		_____
HUMANITIES	3	_____
COM 101; International Languages 111 or above; PHIL		
FINE ARTS	3	_____
ART; DAN 101; Music; THTR		

- NOTE**
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 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Hospitality Management Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: HMD-AA

PROGRAM DESCRIPTION

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

- Compare and contrast the different businesses in the hospitality industry.
- Develop an operations manual for the Rooms Division in a hotel.
- Analyze financial statements using the Uniform System of Accounts for Hotels.
- Differentiate between the service delivery systems used in the hospitality industry.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (35 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 124 or above	3	_____	HMD 101 Introduction to the Hospitality Industry	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____	HMD 202 Housekeeping Operations	3	_____
LITERATURE ENG 223 or above	3	_____	HMD 203 Front-Office Operations	3	_____
ANALYTICAL REASONING PHIL 102	3	_____	HMD 226 Industry Computer Applications for Hospitality and Tourism	3	_____
NATURAL SCIENCE ENV 101; and one course from the following which must include a lab: ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; GEOG 103, 104, 117; GEOL; PHYS	7	_____	HMD 253 Hospitality Services Management	3	_____
HUMANITIES COM 101 and ENG 231	6	_____	HMD 259 Human Resources Management in the Hospitality Industry	3	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____	HMD 295 Work Experience in Lodging Operations	1	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101	4	_____	TCA 201 Hospitality Career Development	3	_____
			TCA 221 Hospitality Accounting I	3	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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, emails: aoc@shore.intercom.net or acpha@atlanticbb.net.

STUDENT LEARNING OUTCOMES

- Compare and contrast the different businesses in the hospitality industry.
- Develop an operations manual for the Rooms Division in a hotel.
- Analyze financial statements using the Uniform System of Accounts for Hotels.
- Differentiate between the service delivery systems used in the hospitality industry.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or 124	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____
COMMUNICATIONS COM 101	3	_____
HUMAN RELATIONS ALS 101; ANTH 101, 112, 201, 205; COM 102; ECE 202; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above	3	_____
NATURAL SCIENCE ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 116, 117; GEOL 100 or above; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; ECON 100 or above; ENG 223 or above; GEOG 106, 109; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above (except 201); THTR 100 or above; WMST 113	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (33 credits)		
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	_____
ELECTIVES (choose 6 credits)		
FAB 112 Restaurant Management I	3	_____
FAB 160 Hospitality Purchasing	3	_____
GAM 225 Introduction to Gaming Management	3	_____
TCA 110 Introduction to the Convention Industry	3	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- Compare and contrast the different businesses in the hospitality industry.
- Develop an operations manual for the Rooms Division in a hotel.
- Analyze financial statements using the Uniform System of Accounts for Hotels.
- Differentiate between the service delivery systems used in the hospitality industry.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS	3-5	_____	HMD 101	3	_____
BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105			HMD 202	3	_____
			HMD 203	3	_____
			HMD 226	3	_____
			HMD 235	3	_____
			HMD 253	3	_____
			HMD 259	3	_____
			HMD 295	1	_____
			TCA 180	3	_____
			TCA 221	3	_____
			Computation included in TCA 221		
			Human Relations included in HMD 259		

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



International Languages Emphasis

REQUIRED CREDITS: 61

DEGREE CODE: INTL-AA

STUDENT LEARNING OUTCOMES

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (35 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or 124 or above	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102	3	_____
NATURAL SCIENCE (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 SCIENCE (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	_____

VALUES AND DIVERSITY

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (14 credits) International Languages 111 or above (courses must be in a single language)	14	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
HUMANITIES COM 101; and HIST or PHIL	6	_____
FINE ARTS ART; DAN 101; MUS; THTR	6	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

The Associate of Arts in Journalism/Media Studies has two tracks: news production and advertising/public relations. Students will complete a core set of classes and then choose a track they wish to follow pertaining to their specific interests.

In this program, students will be provided with the most current and relevant instruction in the field of journalism and integrated marketing communications. Students entering the field of journalism need the skills to compete in the multimedia landscape. The news production track focuses on writing, reporting, analyzing, and producing media for print, online, and broadcast. The advertising/public relations track focuses on public relations (PR), advertising, direct marketing, and multimedia communication for careers in PR and advertising. Both tracks give students the base knowledge needed for higher education and gainful employment.

STUDENT LEARNING OUTCOMES

- Develop journalistic news judgment, values, and ethics to increase media literacy and competencies in this field.
- Improve journalistic skills including research, reporting, interviewing, and writing.
- Produce journalistic currency that may include: news articles written in various styles; broadcast news packages for radio and television; advertising, public relations, and marketing materials; and visual media including videos, photographs, and websites.
- Integrate modern-day equipment to produce media including computers and software, radio and television apparatus such as cameras and microphones, news-website operating systems, social-media websites, and digital media such as MP3 files.
- Transform skills to work situations including internships and production courses.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or above; or STAT 152	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102 or 114	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____
SOCIAL SCIENCE (Select one course from three different disciplines): ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; 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; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (15 credits)		
COM 101 Oral Communication	3	_____
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	_____
JOUR 220 Fundamentals of Applied Media Aesthetics	3	_____
Choose from the following (2-3 credits)		
JOUR 290 Internship in Journalism	1-3	_____
COM 196 Internship	1-3	_____
SPECIALTY COURSES (9 credits) Choose one concentration		
News Production		
JOUR 105 News Production I	3	_____
JOUR 121 Radio Production	3	_____
JOUR 202 Electronic Media Production I	3	_____
Advertising/Public Relations		
JOUR 210 Introduction to Public Relations	3	_____
JOUR 261 Introduction to IMC	3	_____
JOUR 276 Design Principles for Advertising/Publications	3	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (35 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or 124 or above	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): AST; BIOL; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS	7	_____
HUMANITIES COM 101; and ENG 292 or ENG 293	6	_____
FINE ARTS ART 267 or ART 278; or MUS 229	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217	4-6	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (4 credits)		
LAS 101 Introduction to Latin American Studies	3	_____
LAS 299 Capstone Class in Latin American Studies	1	_____
Choose one from the following (3 credits)		
LAS 100 Introduction to Latina/o Studies	3	_____
LAS 210 Hispanic Groups in the United States	3	_____

SPECIAL PROGRAM REQUIREMENTS CONTINUED

	CR	SEMESTER
Choose group (6-8 credits)		_____
<i>Group 1:</i>		
PORT 111 First Year Portuguese I	4	_____
PORT 112 First Year Portuguese II	4	_____
PORT 211 Second Year Portuguese I	3	_____
PORT 212 Second Year Portuguese II	3	_____
<i>Group 2:</i>		
SPAN 111 First Year Spanish I	4	_____
SPAN 112 First Year Spanish II	4	_____
SPAN 211 Second Year Spanish I	3	_____
SPAN 212 Second Year Spanish II	3	_____
<i>Group 3:</i>		
SPAN 126 Introduction to Spanish for Heritage Speakers	3	_____
SPAN 226 Spanish for Heritage Speakers I	3	_____
SPAN 227 Spanish for Heritage Speakers II	3	_____
Choose one from the following (3 credits)		_____
ENG 211 Introduction to Linguistics	3	_____
LAS 223 Spanish Caribbean Culture	3	_____
LAS 224 Mexican Culture	3	_____
ELECTIVES (choose 9 credits)		_____
ANTH 214 Introduction to Mesoamerican Prehistory and Archaeology	3	_____
ECON 180 The Economics of Discrimination	3	_____
HIST 227 Introduction to Latin American History and Culture I	3	_____
HIST 228 Introduction to Latin American History and Culture II	3	_____
HIST 247 History of the Mexican Nation	3	_____
PSC 205 Latino Politics and Society	3	_____
PSY 224 Introduction to Latino Psychology	3	_____
RST 260 Mesoamerican Religions: Jaguars, Serpents, Trees	3	_____

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 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS BUS 109B; or MATH 104B or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105	3	_____
HUMAN RELATIONS ALS 101; ECE 202; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113	3	_____
NATURAL SCIENCE ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; ET 131B; GEOG 103, 104, 116, 117; GEOL 100 or above; HHP 123B, 124B; MT 102B, 110B; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106, 109; International Languages 101B or above; MUS 101 or above; THTR 100 or above (except 105)	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (27 credits)		
BUS 101 Introduction to Business	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 123 Sales Promotion	3	_____
MKT 127 Introduction to Retailing	3	_____
MKT 210 Marketing Principles	3	_____
MKT 262 Introduction to Advertising	3	_____
Choose one from the following (3 credits)		
ACC 135B Bookkeeping I	3	_____
ACC 201 Financial Accounting	3	_____
ELECTIVES (choose 9 credits)		
BUS 102B Entrepreneurship and Innovation	3	_____
BUS 106B Business English	3	_____
BUS 107 Business Speech Communication	3	_____
BUS 108 Business Letters and Reports	3	_____
BUS 271 Introduction to Employment Law	3	_____
BUS 273 Business Law I	3	_____
BUS 274 Business Law II	3	_____
BUS 280B Legal Aspects of International Business	3	_____
BUS 290B Internship in Business	3	_____
MGT 103 Introduction to Small Business Management	3	_____
MGT 235 Organizational Behavior	3	_____
MGT 284B Introduction to International Management	3	_____
MGT 294B Seminar in Management	3	_____
MKT 125 Introduction to Fashion Merchandising	3	_____
MKT 132 Sales Management	3	_____
MKT 211 Introduction to Professional Sales	3	_____
MKT 250 Introduction to International Marketing	3	_____
MKT 261 Introduction to Public Relations	3	_____

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Medical Laboratory Scientist

REQUIRED CREDITS: 120

DEGREE CODE: MLS-BAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (54 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (66 CREDITS)**

	CR	SEMESTER		CR	SEMESTER	
MATHEMATICS	3	_____	CLS 151	Phlebotomy	2	_____
MATH 124 or above			CLS 152	Applied Phlebotomy	2	_____
ENGLISH COMPOSITION	6	_____	CLS 153	Phlebotomy Clinical Practicum	2	_____
ENG 102 or 114; and ENG 333			CLS 161	Urinalysis and Body Fluids	1	_____
COMMUNICATIONS	3-5	_____	CLS 162	Applied Urinalysis and Body Fluids	1	_____
ENG 100 or 101 or 113			CLS 241	Clinical Chemistry I	3	_____
HUMAN RELATIONS	3	_____	CLS 242	Applied Clinical Chemistry I	2	_____
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			CLS 251	Immunology/Immunochemistry I	2	_____
NATURAL SCIENCE	23	_____	CLS 252	Applied Immunology/Immunochemistry I	2	_____
BIOL 196, 197, 214; or BIOL 214, 223, 224			CLS 265	Laboratory Operations I	1	_____
and			CLS 271	Clinical Microbiology I	3	_____
CHEM 110, 111, 220; or CHEM 121, 122, 220			CLS 272	Applied Clinical Microbiology I	2	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES	12	_____	CLS 291	Hematology I	2	_____
ECON 261 and PHIL 302 and PHIL 311			CLS 292	Applied Hematology I	2	_____
and			CLS 294	Clinical Practicum I	2	_____
3 credits from the following:			CLS 295	Clinical Practicum II	2	_____
AM; ANTH; ART; COM; ECON; ENG 223 or above;			CLS 296	Clinical Practicum III	4	_____
GEOG 106 or above; HIST; International Languages;			CLS 365	Laboratory Operations II	1	_____
Music; PHIL; PSC; PSY; SOC; THTR; WMST 113			CLS 446	Clinical Chemistry II	2	_____
U.S. AND NEVADA CONSTITUTIONS	4-6	_____	CLS 447	Applied Clinical Chemistry II	2	_____
PSC 101; or			CLS 448	Hematology II	2	_____
HIST 101 and HIST 102; or			CLS 449	Applied Hematology II	1	_____
HIST 101 and HIST 217			CLS 456	Immunology/Immunochemistry II	2	_____
			CLS 457	Applied Immunology/ Immunochemistry 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/ Immunochemistry	4	_____
			CLS 495	Clinical Practicum - Microbiology	4	_____
			CLS 497	Clinical Practicum - Hematology	4	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Medical Laboratory Technician

REQUIRED CREDITS: 66

DEGREE CODE: MLTECH-AAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (31 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)**

	CR	SEMESTER		CR	SEMESTER	
MATHEMATICS MATH 124 or above	3	_____	CLS 151	Phlebotomy	2	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____	CLS 152	Applied Phlebotomy	2	_____
COMMUNICATIONS ENG 102 or 114	3	_____	CLS 153	Phlebotomy Clinical Practicum	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 101 or above	3	_____	CLS 161	Urinalysis and Body Fluids	1	_____
NATURAL SCIENCE BIOL 189 or 196 and CHEM 110 and 111; or CHEM 121 and 122	12	_____	CLS 162	Applied Urinalysis and Body Fluids	1	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Medical Coding

REQUIRED CREDITS: 42

DEGREE CODE: MEDCOD-CT

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

	CR	SEMESTER
COMMUNICATIONS ENG 100 or 101 or 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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS	3-5	_____			
ENG 100 or 101 or 113			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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Medical Transcription

REQUIRED CREDITS: 31

DEGREE CODE: MEDTRN-CT

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

	CR	SEMESTER
COMMUNICATIONS ENG 100 or 101 or 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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Mental Health Services

REQUIRED CREDITS: 60

DEGREE CODE: MHD-AAS

PROGRAM DESCRIPTION

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 frontline 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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or 120 or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS BUS 108; COM 101, 102, 215; JOUR 102; THTR 105	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 101 or above	3	_____
NATURAL SCIENCE AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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
CORE REQUIREMENTS (26 credits) MHDD 101 Role of the Technician	1	_____
MHDD 105 Conflict Prevention and Response Training	2	_____
MHDD 107 Medication Fundamentals	2	_____

SPECIAL PROGRAM REQUIREMENTS CONTINUED

	CR	SEMESTER
MHDD 109 Introduction to Therapeutic Interventions	2	_____
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	_____
SPECIALTY COURSES (9 credits) Choose nine credits from one concentration		
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	_____

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**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
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PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

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 CONTINUED

	CR	SEMESTER
ELECTIVES (choose 6 credits)		_____
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	
Computation included in MHDD 107, 109, 127		
Human Relations included in MHDD 101, 109, 127, 153, 154, PSY 101		

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (21 credits)		
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	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Music Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: MUS-AA

STUDENT LEARNING OUTCOMES

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)**

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 120 or 123 or above; or STAT 152	3	_____	MUS 131 Introduction to Music Literature	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____	MUS 201E Basic Musicianship I E	3	_____
LITERATURE ENG 223 or above	3	_____	MUS 201F Basic Musicianship I F	1	_____
ANALYTICAL REASONING PHIL 102 or 114	3	_____	MUS 202E Basic Musicianship II E	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____	MUS 202F Basic Musicianship II F	1	_____
SOCIAL SCIENCE (Nine credits must be from three different disciplines): ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; SOC; WMST 113	9	_____	MUS 207E Advanced Musicianship I E	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____	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 166)	3-4	_____
			Piano Proficiency Exam		
			Four semesters Concert Attendance required (MUS 100)		

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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.

STUDENT LEARNING OUTCOMES

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or above (except MATH 122, 123)	3	_____
COMMUNICATIONS COM 101 or 115	3	_____

SPECIAL PROGRAM REQUIREMENTS (24 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (18 credits)		
MUS 111 Piano Class I	3	_____
MUS 181 Business of Music	3	_____
MUS 231 Recording Techniques I	3	_____
MUS 232 Recording Techniques II	3	_____
MUS 281B Business of Music II	3	_____
MUS 285B Advanced Recording Techniques	3	_____
ELECTIVES (choose 6 credits)		
Choose one from the following (3 credits)		
MUS 101 Music Fundamentals	3	_____
MUS 102 Beginning Music Theory	3	_____
Choose one from the following (3 credits)		
MUS 121 Music Appreciation	3	_____
MUS 125 History of Rock Music	3	_____
MUS 134 Jazz Appreciation	3	_____
MUS 260B Studio Session Procedures	3	_____
MUS 262B Urban Music Production	3	_____

Computation included in MATH 120 or above (except MATH 122, 123)
Human Relations included in COM 101 or 115

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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 a variety of health care settings including hospitals, nursing homes, rehabilitation centers, home health, community agencies, 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 Licensed Practical Nurses and Nursing Assistants. There are extensive job opportunities and potential for advancement for graduates of the degree program.

Graduates of this program are eligible to sit for the National Council Licensure Examination for Registered Nurses (NCLEX-RN) 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, 4220 South Maryland Parkway, La Plaza Business Center, Building B, Suite 300, Las Vegas, Nevada 89119, 702-486-5800; and is accredited by the Accreditation Commission for Education in Nursing, Inc., 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, (404) 975-5000.

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

STUDENT LEARNING OUTCOMES

- Incorporate physiological, psychological, social-cultural, and spiritual concepts to provide safe and competent nursing care for patients at various stages in their life span.
- Combine the nursing process with clinical reasoning to assist patients with adaptive behaviors that enhance, maintain, and promote optimal health, quality of life, and/or death with dignity.
- Demonstrate caring behaviors with patients to attain optimal health, quality life, or death with dignity.
- Apply principles of verbal and written communication with professionals and patients.
- Employ the Quality and Safety Education for Nurses Initiatives while incorporating standards of professional practice while working within nursing's legal, ethical, and regulatory framework while providing care to patients.
- Integrate teaching/learning principles to promote healthy behavior for patients.
- Optimize collaboration with interdisciplinary teams and community resources when managing nursing care of patients.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (23 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (49 CREDITS)**

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 120 or above (except MATH 122, 123)	3	_____	BIOL 223	Human Anatomy and Physiology I	4 _____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____	BIOL 224	Human Anatomy and Physiology II	4 _____
COMMUNICATIONS COM 101 or 215	3	_____	BIOL 251	General Microbiology	4 _____
HUMAN RELATIONS PSY 101	3	_____	NURS 101	Introduction to Professional Nursing Practice	6 _____
NATURAL SCIENCE BIOL 189	4	_____	NURS 115	Medical-Surgical Nursing I	6.5 _____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES SOC 101	3	_____	NURS 125B	Pharmacology for Nursing Practice	2 _____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217	4-6	_____	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 _____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Nursing – LPN to RN Emphasis

REQUIRED CREDITS: 72

DEGREE CODE: NURRN-AAS

PROGRAM DESCRIPTION

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

Graduates of this program are eligible to sit for the National Council Licensure Examination for Registered Nurses (NCLEX-RN) exam for state licensure. Courses in this 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, 4200 South Maryland Parkway, La Plaza Business Center, Building B, Suite 300, Las Vegas, Nevada 89119, 702-486-5800; and is accredited by the Accreditation Commission for Education in Nursing, Inc., 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, (404) 975-5000.

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

STUDENT LEARNING OUTCOMES

- Incorporate physiological, psychological, social-cultural, and spiritual concepts to provide safe and competent nursing care for patients at various stages in their life span.
- Combine the nursing process with clinical reasoning to assist patients with adaptive behaviors that enhance, maintain, and promote optimal health, quality of life, and/or death with dignity.
- Demonstrate caring behaviors with patients to attain optimal health, quality life, or death with dignity.
- Apply principles of verbal and written communication with professionals and patients.
- Employ the Quality and Safety Education for Nurses Initiatives while incorporating standards of professional practice while working within nursing's legal, ethical, and regulatory framework while providing care to patients.
- Integrate teaching/learning principles to promote healthy behavior for patients.
- Optimize collaboration with interdisciplinary teams and community resources when managing nursing care of patients.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (23 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____
COMMUNICATIONS COM 101 or 215	3	_____
HUMAN RELATIONS PSY 101	3	_____
NATURAL SCIENCE BIOL 189	4	_____
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 (49 CREDITS)

	CR	SEMESTER
Practical Nursing Diploma and Nevada LPN License	8	_____
BIOL 223 Human Anatomy and Physiology I	4	_____
BIOL 224 Human Anatomy and Physiology II	4	_____
BIOL 251 General Microbiology	4	_____
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	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



PROGRAM DESCRIPTION

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 Council 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, 4220 S. Maryland Parkway, Suite 300, Las Vegas, NV 89119, 702-486-5800; and is accredited by the Accreditation Commission for Education in Nursing, Inc., 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, (404) 975-5000.

STUDENT LEARNING OUTCOMES

- Apply knowledge of safe, quality, evidence-based, patient-centered nursing care in a variety of environments to diverse patient populations and cultures across the lifespan.
- Exercise clinical reasoning to promote health, as well as psychosocial and physiological integrity.
- Apply quality improvement processes to improve patient care.
- Collaborate with the interdisciplinary team, the patient, and the patient’s support persons when managing patient care.
- Apply management theories and legal, ethical, and professional standards in practice as a practical nurse.
- Maximize the use of information management systems and patient care technology to communicate, update knowledge, avoid error, and support decision making.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (9 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (35 CREDITS)

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 104B or 120 or above (except MATH 122, 123)	3	_____	HHP 123B* Introduction to the Human Body	4	_____
COMMUNICATIONS ENG 100 or 101 or 113	3-5	_____	HHP 124B* Introduction to the Human Body Computer Lab	1	_____
HUMAN RELATIONS PSY 101	3	_____	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 Requirements

Completion of an approved nursing assistant course and current nursing assistant certification 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.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Military Medic/Corpsman to LPN

REQUIRED CREDITS: **44**

DEGREE CODE: **MMCLPN-CT**

PROGRAM DESCRIPTION

The Military Medic/Corpsman to LPN 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 Council Licensure Examination-Practical Nurse (NCLEX-PN) to become a licensed practical nurse (LPN). The Practical Nursing Program has full approval status by the Nevada State Board of Nursing, 4220 South Maryland Parkway, La Plaza Business Center, Building B, Suite 300, Las Vegas, NV 89119, 702-486-5800; and is accredited by the Accrediting Commission for Nursing Education, Inc., (formerly the National League for Nursing Accrediting Commission, Inc.), 3343 Peachtree Road NE, Suite 850, Atlanta, GA 30326, (404) 975-5000.

This is a limited entry program. Military medical background

STUDENT LEARNING OUTCOMES

- Apply knowledge of safe, quality, evidence-based, patient-centered nursing care in a variety of environments to diverse patient populations and cultures across the lifespan.
- Exercise clinical reasoning to promote health, as well as psychological and physiological integrity.
- Apply quality improvement processes to improve patient care.
- Collaborate with the interdisciplinary team, the patient, and the patient’s support persons when managing patient care.
- Apply management theories and legal, ethical, and professional standards in practice as a practical nurse.
- Maximize the use of information management systems and patient care technology to communicate, update knowledge, avoid error, and support decision making.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS	3	_____	Military Medical Course(s)	26	_____
ENG 101			PN 106B Family Nursing	3	_____
			PN 107B Adult Health Nursing 1	4.5	_____
			PN 109B Adult Health Nursing 2	4.5	_____
			PN 111B Practical Nursing Leadership/Management	3	_____
			Computation included in PN 106B, 107B, 109B		
			Human Relations included in PN 106B, 107B, 109B, 111B		

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Ophthalmic Technology – Ophthalmic Dispensing Technician Emphasis

REQUIRED CREDITS: 68

DEGREE CODE: OPHT-AAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (46 CREDITS)

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 104B or higher (except MATH 122, 123)	3	_____	OPHT 102B Introduction to Contact Lenses	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____	OPHT 105B Introduction to Contact Lens Lab	1	_____
COMMUNICATIONS BUS 108; COM 101, 102, 215; JOUR 102; THTR 105	3	_____	OPHT 112B Anatomy and Physiology of the Eye and Related Structures	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 101 or above	3	_____	OPHT 121B Ophthalmic Optics I	5	_____
NATURAL SCIENCE AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above	3	_____	OPHT 123B Ophthalmic Optics II	5	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113	3	_____	OPHT 155B Geometric Optics	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217	4-6	_____	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	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105	3	_____
HUMAN RELATIONS ALS 101; ECE 202; HIST 105, 106, 107, 150, 151, 210, 247, 260; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113	3	_____
NATURAL SCIENCE ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; ET 131B; GEOG 103, 104, 116, 117; GEOL 100 or above; HHP 123B, 124B; MT 102B, 110B; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; DAN 101; ECON 100 or above; ENG 223 or above; GEOG 106, 109; International Languages 101B or above; MUS 101 or above; THTR 100 or above (except 105)	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (29 credits)		
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	_____
ELECTIVES (choose 9 credits)		
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	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (29 CREDITS)

	CR	SEMESTER			CR	SEMESTER
COMMUNICATIONS	3-5	_____	IS 101	Introduction to Information Systems	3	_____
COM 101, 102, 115, 215; ENG 100, 101, 102, 113, 114, 205; JOUR 102; THTR 105			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

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Paramedic Medicine

REQUIRED CREDITS: 65

DEGREE CODE: EMS-AAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (24 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (41 CREDITS)**

	CR	SEMESTER		CR	SEMESTER	
MATHEMATICS MATH 104B or above (except MATH 122, 123)	3	_____	EMS 125B	Pharmacology for Paramedics	3	_____
			EMS 127B	Paramedic Clinical Practice I	2	_____
			EMS 129B	Paramedic Fundamentals	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____	EMS 130B	Paramedic Assessment I	1	_____
			EMS 145B	Essentials of Paramedic Medicine	3	_____
COMMUNICATIONS BUS 107, 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105	3	_____	EMS 165B	Pathophysiology for Paramedics	3	_____
			EMS 166B	Paramedic Technology	4	_____
HUMAN RELATIONS HMS 130, 135B, 265B; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above	3	_____	EMS 167B	Paramedic Clinical Practice II	2	_____
			EMS 168B	Electrophysiology/Electrocardiography	3	_____
NATURAL SCIENCE HHP 123B and 124B	5	_____	EMS 169B	Advanced Cardiac Life Support (ACLS)	1	_____
			EMS 171B	Prehospital Trauma Life Support (PHTLS)	1	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113	3	_____	EMS 172B	Vehicle Extrication for Paramedics	2	_____
			EMS 173B	Paramedic Field Internship	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217	4-6	_____	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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (46 CREDITS)

	CR	SEMESTER		CR	SEMESTER	
COMMUNICATIONS	3-5	_____	HHP 123B	Introduction to the Human Body	4	_____
ENG 100 or 101 or 107 or 113			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	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	_____
				Computation included in EMS 125B		
				Human Relations included in EMS 129B		

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



PROGRAM DESCRIPTION

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.

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, emails: aoc@shore.intercom.net or acpha@atlanticbb.net. Also accredited by the American Culinary Federation (ACF), 180 Center Place Way, St. Augustine, FL 32095, (904) 824-4468 | (800) 624-9458, Fax: (904) 940-0741, www.acfchefs.org.

STUDENT LEARNING OUTCOMES

- Integrate basic cooking skills including: product identification, knife skills, and cold food production.
- Demonstrate baking skills including: variety of breads, puff pastry, cookies, and restaurant quality pastries and decorated cakes.
- Optimize best practices of a retail bakery through the operation of Campus Sweets.
- Enhance chocolate and sugar art techniques in the production of candies and showpieces.
- Practice food service sanitation and nutrition standards.
- Investigate purchasing and receiving practices, standards, and governing regulations for food service operations.
- Explore overall workings, structure of the hospitality industry, and pastry arts through work experience.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (45 CREDITS)**

	CR	SEMESTER			CR	SEMESTER
MATHEMATICS	3	_____	CUL 110	Basic Cookery	4	_____
MATH 104B or above (except MATH 122, 123)			CUL 125	Principles of Baking	3	_____
ENGLISH COMPOSITION	3-5	_____	CUL 135	Breads of the World	3	_____
ENG 100 or 101 or 107 or 113			CUL 175	Cake Design	3	_____
COMMUNICATIONS	3	_____	CUL 215	Plated Desserts	3	_____
BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105			CUL 225	Advanced Baking	3	_____
HUMAN RELATIONS	3	_____	CUL 230	Pastry Arts	3	_____
MGT 283			CUL 255B	Retail Bakery Management	3	_____
NATURAL SCIENCE	3	_____	CUL 260	Introduction to Chocolate	3	_____
ANTH 102; AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above			CUL 265	Introduction to Sugar Arts	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES	3	_____	CUL 280B	Principles of Quantity Baking	3	_____
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106, 109; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113			CUL 295	Work Experience in Culinary Arts	1	_____
U.S. AND NEVADA CONSTITUTIONS	4-6	_____	FAB 102	Food Service Sanitation II	2	_____
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217			FAB 160	Hospitality Purchasing	3	_____
			FAB 167	Food Service Nutrition	2	_____
			HMD 101	Introduction to the Hospitality Industry	3	_____

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Pastry Arts

REQUIRED CREDITS: **33**

DEGREE CODE: **CULPAS-CT**

PROGRAM DESCRIPTION

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

- Integrate basic cooking skills including: product identification, knife skills, and cold food production.
- Demonstrate baking skills including: variety of breads, puff pastry, cookies, and restaurant quality pastries and decorated cakes.
- Optimize best practices of a retail bakery through the operation of Campus Sweets.
- Enhance chocolate and sugar art techniques in the production of candies and showpieces.
- Practice food service sanitation and nutrition standards.
- Investigate purchasing and receiving practices, standards, and governing regulations for food service operations.
- Explore overall workings, structure of the hospitality industry, and pastry arts through work experience.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (30 CREDITS)

	CR	SEMESTER		CR	SEMESTER	
COMMUNICATIONS	3-5	_____	CUL 110	Basic Cookery	4	_____
BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105			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**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Pharmacy Technician

REQUIRED CREDITS: **39**

DEGREE CODE: **PHARM-CT**

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (9 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____
COMMUNICATIONS COM 101	3	_____

SPECIAL PROGRAM REQUIREMENTS (30 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	4	_____
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

- NOTE**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Philosophy Emphasis

REQUIRED CREDITS: 62

DEGREE CODE: PHIL-AA

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (35 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)**

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 120 or 124 or above	3	_____	CORE REQUIREMENTS (3 credits) PHIL 101 Introduction to Philosophy	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____	HUMANITIES COM 101; and one course from the following: ENG 223 or above; HIST; International Languages 111 or above	6	_____
LITERATURE ENG 223 or above	3	_____	FINE ARTS ART; DAN 101; MUS; THTR	6	_____
ANALYTICAL REASONING PHIL 102	3	_____	ELECTIVES (choose 12 PHIL credits) PHIL		_____
NATURAL SCIENCE (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 SCIENCE (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	_____	_____	_____	_____

VALUES AND DIVERSITY

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

- NOTE**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Photography -
Commercial Photography Emphasis**

REQUIRED CREDITS: 60

DEGREE CODE: PHOTO-AAS

PROGRAM DESCRIPTION

The Photography program offers instruction in commercial photographic skills and creative photographic processes. In addition to learning beginning and intermediate skills, students receive advanced training in photographic capture, digital asset management, studio and location lighting.

STUDENT LEARNING OUTCOMES

- Produce professional quality commercial images using digital camera systems.
- Employ Digital Asset Management workflows for image inventory.
- Produce a photographic portfolio exemplifying skills in at least one of the following areas: Portraiture, Studio Product, Wedding, Editorial, Sports and Entertainment, Photojournalism, Forensics, and Fashion.
- Create studio and location lighting schemes based upon client specifications.
- Produce professional quality marketing materials suitable for commercial photographic business.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 104B or above	3	_____	CORE REQUIREMENTS (28 credits)		
ENGLISH COMPOSITION ENG 101 or 107	3	_____	PHO 101B Beginning Photography	3	_____
COMMUNICATIONS BUS 108; COM 101, 102, 115, 215; THTR 105	3	_____	PHO 102B Digital Photographic Imaging I	3	_____
HUMAN RELATIONS ALS 101; ANTH 101, 112, 201; HMS 135B, 265B; MGT 100B, 283	3	_____	PHO 103B Intermediate Photography	3	_____
NATURAL SCIENCE CHEM 105; ENV 101; PHYS 110; MT 102B	3-4	_____	PHO 195 Photographic Lighting	4	_____
FINE ARTS/HUMANITIES/SOCIAL SCIENCES ART 101, 102, 107; ECON 100; GEOL 105; PHIL 102; PSY 102, 206; SOC 101, 261; THTR 204	3	_____	PHO 208B Large Format Photography I	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____	PHO 225 Photographic Commercial/Illustration I	3	_____
			PHO 235 Photographic Portraiture I	4	_____
			PHO 260B Photographic Business Practices	3	_____
			PHO 295B Portfolio	2	_____
			ELECTIVES (choose 10 credits)		_____
			PHO or up to 6 credits from GRC or VID		_____
			_____		_____
			_____		_____
			_____		_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Photography -
Videography and Film Emphasis**

REQUIRED CREDITS: 60

DEGREE CODE: PHOTVIDAAS

PROGRAM DESCRIPTION

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 software applications.

STUDENT LEARNING OUTCOMES

- Operate a digital video camera and light meter.
- Create treatments and storyboards to shoot basic video sequences.
- Communicate effectively with actors.
- Identify story elements as they script, produce, light, direct, and edit a short documentary movie.
- Apply concepts of photographic composition and creative expression to pictures.
- Develop creative story concepts and script ideas for professional standard scripts.
- Analyze different editing styles used by various filmmakers.
- Develop a professional portfolio.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or above	3	_____
ENGLISH COMPOSITION ENG 101 or 107	3	_____
COMMUNICATIONS BUS 108; COM 101, 102, 215; ENG 205; THTR 105	3	_____
HUMAN RELATIONS ALS 101; ANTH 101, 112, 201, 205; HMS 135B, 265B; MGT 100B, 283; PHIL 216, 245	3	_____
NATURAL SCIENCE BIOL 101; CHEM 105; ENV 101; PHYS 110; MT 102B	3-4	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCE ART 101, 105, 107; ECON 100; GEOG 109; PHIL 101; PSC 231; PSY 206; SOC 101, 261; THTR 204	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (38 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (30 credits)		
VID 100B Movies and Media	3	_____
VID 101B Film Directing Styles	3	_____
VID 110B Videography and Film I	3	_____
VID 111B Film Screenwriting I	3	_____
VID 115B Video Editing I	3	_____
VID 116B Documentary Film Production I	3	_____
VID 200B Cinematography I	3	_____
VID 210B Videography and Film II	3	_____
VID 213B Lighting for Video and Film	3	_____
VID 290B Video Portfolio	3	_____
ELECTIVES (choose 8 credits)		
Any courses with VID prefix, THTR 105, 204		
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Physical Therapist Assistant

REQUIRED CREDITS: 72

DEGREE CODE: PT-AAS

PROGRAM DESCRIPTION

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 clinical education affiliation experiences in hospitals and clinics affiliated with the program. Requirements for participation in these clinical 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; 6) an appropriate drug and alcohol screen; and 7) an appropriate background check.

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, (CAPTE) 1111 North Fairfax St., Alexandria, VA 22314, (703) 706-3245, www.capteonline.org, email: accreditation@apta.org.

STUDENT LEARNING OUTCOMES

- Demonstrate competencies necessary to successfully complete the national licensure exam.
- Provide competent, safe and ethical patient care under the supervision of a licensed physical therapist.
- Demonstrate effective, respectful and culturally sensitive communication and interpersonal skills.
- Use critical thinking skills to appropriately assess patient response to treatment interventions and respond appropriately.
- Educate patient, family, other providers and the community about physical therapy.
- Implement self-assessment and self-directed lifelong learning.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (24 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 116 or 120 or 124 or above	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS COM 101 or 102 or 115 or 215	3	_____
HUMAN RELATIONS PT 122	3	_____
NATURAL SCIENCE HHP 123B and 124B; or BIOL 223 and 224	5-8	_____
FINE ARTS/HUMANITIES/SOCIAL SCIENCES PHIL 101 or above; PSY 101 or above; SOC 101 or above	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (48 CREDITS)

	CR	SEMESTER
PT 100 Introduction to Physical Therapy	3	_____
PT 105 Musculoskeletal Anatomy Review	1	_____
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	_____

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Political Science EmphasisREQUIRED CREDITS: **60**DEGREE CODE: **PSC-AA****PROGRAM DESCRIPTION**

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

- Demonstrate knowledge and understanding of the U.S. Constitution and the Bill of Rights, the Nevada Constitution, the role of the various branches of government, America's diverse political values and beliefs, political parties, interest groups, the electoral process, and the development of our civil liberties and rights.
- Analyze and compare domestic politics within each of several diverse countries, including analysis of various types of political systems and institutions, political culture, the impact of ethnic and religious diversity within countries, and competing political and economic ideologies.
- Explore and evaluate competing theoretical approaches to international relations, including an analysis of arguable causes and consequences of war, relations between regions of the world, the role of diverse international actors, and the role of the United States in world politics.
- Examine major political theories and philosophies and explain how they informed the creation of the U.S. Constitution and reforms that have transpired over time.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (33 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or 124 or above	3	_____
ENGLISH COMPOSITION (with a C or better) ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102 or 114	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____
HUMANITIES COM 101	3	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____
U.S. AND NEVADA CONSTITUTIONS HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	6	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (15 credits)		
PSC 101 Introduction to American Politics	4	_____
PSC 200 Survey of Political Theory	3	_____
PSC 211 Introduction to Comparative Politics	3	_____
PSC 231 Introduction to International Relations	3	_____
PSC 297 Capstone in Political Science	2	_____
ELECTIVES (choose 12 credits)		
PSC 201 Politics of Minority Groups	3	_____
PSC 205 Latino Politics and Society	3	_____
PSC 208 Survey of State and Local Government	3	_____
PSC 210 American Public Policy	3	_____
PSC 222 Terrorism and Political Violence	4	_____
PSC 246 Politics of Developing Nations	3	_____
PSC 251 Introduction to Campaign Management	3	_____
PSC 252 Elements of Political Communication	3	_____
PSC 253 Online Campaign Strategies	3	_____
PSC 257 Political Parties and Interest Groups	3	_____
PSC 259 Lobbying and Issue Advocacy	3	_____
PSC 260 Grassroots Politics	3	_____
PSC 261 Introduction to Survey Research and Demographics	3	_____
PSC 295 Topical Issues in Political Science	3	_____
PSC 299 Government Internship	3	_____

- NOTE**
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 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Psychology Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: PSY-AA

PROGRAM DESCRIPTION

The Associate of Arts in Psychology is primarily designed for students who plan to transfer to a baccalaureate degree level college in psychology or a related field. This degree program offers students an essential foundation in the theoretical perspectives and social science research methods of psychology, as well as options to explore more specialized topics in psychology or closely-related fields.

STUDENT LEARNING OUTCOMES

- Describe the major theories, historical trends, perspectives, and research findings of psychology.
- Discuss the range of fields and careers in psychology and the respective educational, ethical, experiential, and credential requirements.
- Utilize basic statistical techniques used in psychological research.
- Employ basic principles of research design, methodology, and report writing used in psychology.
- Demonstrate fundamental concepts in specialized and applied areas of psychology.
- Apply basic principles of behavior and mental processes.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

	CR	SEMESTER
MATHEMATICS	3	_____
MATH 120 or 124 or above; or STAT 152		
ENGLISH COMPOSITION	6-8	_____
ENG 100 or 101 or 113; and 102 or 114		
LITERATURE	3	_____
ENG 223 or above		
ANALYTICAL REASONING	3	_____
PHIL 102 or 114		
NATURAL SCIENCE	6-7	_____
(Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS		
HUMANITIES	6	_____
COM 101; and one course from the following: HIST; International Languages 111 or above; or PHIL 101, 119, 129, 201, 202, 203; RST		
FINE ARTS	3	_____
ART; DAN 101; MUS; THTR		
U.S. AND NEVADA CONSTITUTIONS	4-6	_____
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217		
VALUES AND DIVERSITY		
All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.		

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

See a counselor/advisor to select 26 transferable credits.

	CR	SEMESTER
CORE REQUIREMENTS (12 credits)		
Choose one from the following (3 credits)		
PSY 101 General Psychology	3	_____
PSY 101H General Psychology – Honors	3	_____

SPECIAL PROGRAM REQUIREMENTS CONTINUED

	CR	SEMESTER
PSY 200 Introduction to the Psychology Major	1	_____
PSY 210 Introduction to Statistical Methods	4	_____
PSY 240 Introduction to Research Methods	3	_____
PSY 298 Capstone Course	1	_____
ELECTIVES (choose 14 credits)		
MHDD 103 Psychopathology and Developmental Disabilities	1	_____
MHDD 107 Medication Fundamentals	2	_____
MHDD 109 Introduction to Therapeutic Interventions	2	_____
MHDD 127 Positive Behavior Supports	2	_____
MHDD 130 Teaching Life Skills	3	_____
MHDD 150 Issues in Substance Abuse	1	_____
MHDD 154 Advanced Therapeutic Interventions	2	_____
MHDD 160 Understanding Mental Illness	2	_____
MHDD 210 Autism Spectrum Disorders	3	_____
PSY 102 Psychology of Personal and Social Adjustment	3	_____
PSY 130 Human Sexuality	3	_____
PSY 201 Lifespan Development	3	_____
PSY 203 Advanced General Psychology I	3	_____
PSY 206 Business/Industrial Psychology	3	_____
PSY 207 Psychology and the Family	3	_____
PSY 224 Introduction to Latino Psychology	3	_____
PSY 228 Psychology of Dreams	3	_____
PSY 233 Child Psychology	3	_____
PSY 234 Psychology of Adolescence	3	_____
PSY 241 Introduction to Abnormal Psychology	3	_____
PSY 261 Introduction to Social Psychology	3	_____
PSY 270 Understand Psychology Through Film	3	_____
PSY 276 Aging in Modern American Society	3	_____
PSY 299 Special Topics	3	_____

Up to 9 credits from the following courses may also be used as part of the 14 elective credits if needed to meet specific program requirements at UNLV, UNR, or NSC.

* Up to nine credits in three different disciplines, from ANTH 101; ECON; PSC; SOC; WMST 101, 113

* Up to three credits from ART; DAN; MUS; THTR

* Up to three credits from International Languages

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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Radiation Therapy TechnologyREQUIRED CREDITS: **82**DEGREE CODE: **RADTHR-AAS****PROGRAM DESCRIPTION**

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 examination 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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (31 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (51 CREDITS)**

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS	3	_____	RDTP 101B	2	_____
MATH 116 or above (except MATH 122, 123)			Introduction to Radiation Therapy		
ENGLISH COMPOSITION	3-5	_____	RDTP 102B	2	_____
ENG 100 or 101 or 107 or 113			Methodologies I		
COMMUNICATIONS	3	_____	RDTP 103B	1	_____
BUS 108; COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105			Introduction to Oncology		
HUMAN RELATIONS	3	_____	RDTP 105B	2	_____
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 101 or above			Principles and Practice of Radiation Therapy		
NATURAL SCIENCE	12	_____	RDTP 115B	1	_____
BIOL 223 and 224; and either EGG 131 and EGG 131L; or PHYS 110 or above			Caring for the Patient at the End of Life		
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES	3	_____	RDTP 125B	2	_____
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113			Radiographic Process		
U.S. AND NEVADA CONSTITUTIONS	4-6	_____	RDTP 150B	2	_____
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217			Introduction to Radiation Physics		
			RDTP 180B	3	_____
			Radiobiology		
			RDTP 202B	3	_____
			Radiotherapy Physics		
			RDTP 210B	3	_____
			Treatment Planning I		
			RDTP 211B	2	_____
			Radiographic Analysis		
			RDTP 212B	2	_____
			Cross Sectional, Topographic and Radiological Anatomy		
			RDTP 213B	3	_____
			Radiation Oncology		
			RDTP 214B	2	_____
			Methodologies II		
			RDTP 215B	3	_____
			Treatment Planning II		
			RDTP 216B	2	_____
			Methodologies III		
			RDTP 219B	2	_____
			Advanced Radiation Therapy Techniques		
			RDTP 220B	1	_____
			Treatment Planning Lab		
			RDTP 221B	2	_____
			Ethics/Law/Professionalism		
			RDTP 229B	1	_____
			Radiation Therapy Board Review		
			RDTP 230B	1	_____
			Clinical Applications I		
			RDTP 231B	1	_____
			Clinical Applications II		
			RDTP 232B	3	_____
			Clinical Practicum III		
			RDTP 233B	1	_____
			Clinical Practicum IV		
			RDTP 234B	4	_____
			Clinical Practicum V		

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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS BUS 109B; or MATH 104B or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS COM 101, 102, 115, 215; ENG 102, 114, 205; JOUR 102; THTR 105	3	_____
HUMAN RELATIONS ALS 101; ECE 202; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 100B, 283; PHIL 135, 210, 216, 245; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above; WMST 113	3	_____
NATURAL SCIENCE ANTH 102; AST; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; ET 131B; GEOG 103, 104, 116, 117; GEOL 100 or above; MT 102B, 110B; PHYS 110 or above	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; CRJ 104; DAN 101; ECON; ENG 223 or above; GEOG 106, 109; International Languages 101B or above; MUS 101 or above; THTR 100 or above (except 105)	3	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (36 credits)		
BUS 101 Introduction to Business	3	_____
FT 125 Building Construction for Fire Protection	3	_____
IS 101 Introduction to Information Systems	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	_____
RE 295B Work Experience I	3	_____
Choose one from the following (3 credits)		
MKT 210 Marketing Principles	3	_____
RE 102B Real Estate Math	3	_____

- NOTE**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (6 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (24 CREDITS)

	CR	SEMESTER			CR	SEMESTER
COMMUNICATIONS	3-5	_____	RE 101	Real Estate Principles	3	_____
BUS 108; COM 101, 102, 215; ENG 100, 101, 102, 107, 113, 114, 205; JOUR 102; THTR 105			RE 102B	Real Estate Math	3	_____
			RE 103	Real Estate Law and Practice	3	_____
HUMAN RELATIONS	3	_____	RE 199	Real Estate Investments	3	_____
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			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**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

	CR	SEMESTER
COMMUNICATIONS	3	_____
BUS 108		

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (24 credits)		
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	_____
Choose one from the following (3 credits)		
ACC 135B Bookkeeping I	3	_____
ACC 201 Financial Accounting	3	_____

Computation included in ACC 135B or ACC 201
Human Relations included in MGT 212

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- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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)

REQUIRED CREDITS: 60

DEGREE CODE: AS

PROGRAM DESCRIPTION

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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

	CR	SEMESTER
MATHEMATICS (For Sciences) MATH 181 (For Health Sciences) MATH 120 or 124 or above	3-4	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
HUMANITIES COM 101; and one course from the following: ENG 223 or above; HIST; International Languages 111 or above; PHIL	6	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____
SOCIAL SCIENCE (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
NATURAL SCIENCE CREDITS (Thirteen credits from the following, one must include a lab): AST; BIOL; CHEM; ENV; GEOG 103, 104, 117; GEOL; PHYS	13	_____
ELECTIVES (choose 13 credits)		_____
_____		_____
_____		_____
_____		_____
_____		_____

_____	_____
Counselor Signature	Date
_____	_____
Student Signature	Date

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Biological Science EmphasisREQUIRED CREDITS: **60**DEGREE CODE: **BIOL-AS****PROGRAM DESCRIPTION**

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 degree.

STUDENT LEARNING OUTCOMES

- Summarize and explain biological diversity and similarity of organizational levels ranging from molecules to communities.
- Integrate knowledge of biology, biological methods and contextual issues, and be able to articulate these in verbal and written form.
- Incorporate knowledge of scientific methods and the relationships among theory, experiments and analyses and apply these to a problem or issue in biology.
- Demonstrate knowledge of basic laboratory safety procedures and experimentation skills.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (32 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 181	4	_____
ENGLISH COMPOSITION (with a grade of C- or better) ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
HUMANITIES COM 101; and one course from the following: ANTH 105, 204, 206, 211, 216, 217; ENG 223 or above; HIST; International Languages 111 or above; PHIL 101, 119, 129, 201, 202, 203; PSY 270	6	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____
SOCIAL SCIENCE Two of the following (both cannot be in the same discipline): ANTH 101, 104, 106, 112, 201, 202, 205, 207, 209, 212, 214, 215, 225; CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246, 249; PSC; PSY (except 270); RST; SOC	6	_____
U.S. AND NEVADA CONSTITUTIONS PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

VALUES AND DIVERSITY

All students **MUST** fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

A single course cannot be used to satisfy more than one General Education requirement.

SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (24 credits)		
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	_____

ELECTIVES (choose 4-6 credits)

BIOL 101 or higher (except 299)*

***For students transferring to a university:**

BIOL 251H General Microbiology - Honors is highly recommended

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Physical Sciences Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: PHYS-AS

PROGRAM DESCRIPTION

The Associate of Science Degree is a general transfer program for students who are planning to transfer to a baccalaureate or pre-professional institution. A secondary objective may be employment upon completion of the AS degree.

STUDENT LEARNING OUTCOMES

- Demonstrate knowledge of Scientific Methods and the relationship of theory, experiment, data analysis and general knowledge.
- Demonstrate the ability to analyze data and perform dimensional and graphical analysis of collected data.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (35 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 126 and 127; or 128; or 181 or above	4-6	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223	3	_____
HUMANITIES COM 101; and one course from the following: ENG 224 or above; HIST; International Languages 111 or above; PHIL	6	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____
SOCIAL SCIENCE (Nine credits must be from three different disciplines): ANTH; CRJ 104; ECON; PSC 200 or above; 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	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (4 credits) CHEM 121 General Chemistry I	4	_____
Choose one group (4 credits)		_____
<i>Group 1:</i> PHYS 151 General Physics I	4	_____
<i>Group 2:</i> PHYS 180 Physics for Scientists and Engineers I	3	_____
PHYS 180L Physics for Scientists and Engineers Lab I	1	_____

SPECIAL PROGRAM REQUIREMENTS CONTINUED

	CR	SEMESTER
PHYSICAL SCIENCES ELECTIVES (17 credits) (Choose from the following, two must include a lab):		_____
AST 103 Introductory Astronomy The Solar System <i>May choose AST 103 or AST 104 – NOT BOTH</i>	3	_____
AST 104 Introductory Astronomy: Stars and Galaxies <i>May choose AST 103 or AST 104 – NOT BOTH</i>	3	_____
AST 105 Introductory Astronomy Laboratory	1	_____
CEE 241 Statics	3	_____
CHEM 122 General Chemistry II	4	_____
CHEM 241 Organic Chemistry I	4	_____
CHEM 242 Organic Chemistry II	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	_____
GEOL 102 Earth and Life Through Time	4	_____
MATH 182 Calculus II	4	_____
MATH 283 Calculus III	4	_____
ME 242 Dynamics	3	_____
PHYS 152 General Physics II <i>May choose PHYS 152; or PHYS 181 and PHYS 181L – NOT BOTH</i>	4	_____
PHYS 181 Physics for Scientists and Engineers II <i>May choose PHYS 152; or PHYS 181 and PHYS 181L – NOT BOTH</i>	3	_____
PHYS 181L Physics for Scientists and Engineers Lab II <i>May choose PHYS 152; or PHYS 181 and PHYS 181L – NOT BOTH</i>	1	_____
PHYS 182 Physics for Scientists and Engineers III <i>Choosing PHYS 182 requires also taking PHYS 182L</i>	3	_____
PHYS 182L Physics for Scientists and Engineers Lab III <i>Choosing PHYS 182 requires also taking PHYS 182L</i>	1	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Sociology Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: SOC-AA

PROGRAM DESCRIPTION

The Associate of Arts Degree with an Emphasis in Sociology offers basic skills in critical thinking, data analysis, writing, and oral communication to career oriented students and those preparing for advanced undergraduate study in sociology.

STUDENT LEARNING OUTCOMES

- Investigate individual and collective experiences of social life using the theoretical and methodological tools of sociology.
- Synthesize information from trends within sociology concerning culture, social structure, cultural diversity, and social inequality.
- Evaluate research findings in sociology by examining methods of sampling, measurement, data collection, analysis and interpretation, as well as ethical considerations in the research process.
- Formulate research questions, explanations or policy recommendations based on major sociological perspectives that address problems of behavior and interaction, social structure and social change.
- Develop an understanding of viable career choices in the application of sociological concepts, theory, and methods directed at improving social life.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (36 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or 123 or above; or STAT 152	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102 or 114	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____
HUMANITIES COM 101; and one course from the following: HIST; International Languages 111 or above; or PHIL 101, 119, 129, 201, 202, 203; RST	6	_____
FINE ARTS ART; DAN 101; MUS; THTR	3	_____
U.S. AND NEVADA CONSTITUTIONS HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217	6	_____
VALUES AND DIVERSITY All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.		

SPECIAL PROGRAM REQUIREMENTS (24 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (3 credits) SOC 289 Applied Skills in Sociology	3	_____
Choose one from the following (3 credits) SOC 101 Principles of Sociology SOC 101H Principles of Sociology – Honors SOC 102 Contemporary Social Issues	3 3 3	_____ _____ _____
Choose two from the following (6-7 credits) SOC 207 Introduction to Sociological Theory SOC 210 Introduction to Statistical Methods SOC 240 Social Science Research Methods SOC 241 Introduction to Research Methods	3 4 3 3	_____ _____ _____ _____
ELECTIVES (choose 6-7 credits) Choose from each group		
<i>Group 1</i>		_____
SOC 205 Ethnic Groups in Contemporary Societies SOC 207 Introduction to Sociological Theory SOC 210 Introduction to Statistical Methods SOC 222 Terrorism and Political Violence SOC 225 Media and Society SOC 240 Social Science Research Methods SOC 241 Introduction to Research Methods SOC 261 Introduction to Social Psychology SOC 270 Introduction to Deviant Behavior SOC 275 Introduction to Marriage and Family SOC 276 Aging in Modern Society SOC 295 Sociology of the Future SOC 298 Selected Topics in Sociology	3 3 4 4 3 3 3 3 3 3 3 3 3 3	_____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____
<i>Group 2</i>		_____
COM 217; ENG 107, 205; JOUR 102; PHIL 102; SOC		
NOTE: SOC 207, 210, 240; and 241 may only be counted once.		
SOCIAL SCIENCE ELECTIVES (Six credits must be from two different disciplines): ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; PSC; PSY; WMST 113	6	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Surgical TechnologyREQUIRED CREDITS: **61.5**DEGREE CODE: **SURG-AAS****PROGRAM DESCRIPTION**

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (34.5 CREDITS)**

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 104B or 120 or above (except MATH 122, 123)	3	_____	CLS 125B Microbiology for Surgical Technicians	2	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113	3-5	_____	CLS 126B Applied Microbiology for Surgical Technicians	1	_____
COMMUNICATIONS COM 101	3	_____	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 101 or above	3	_____	SRGT 101B Introduction to Surgery Technology	1	_____
NATURAL SCIENCE BIOL 223 and 224	8	_____	SRGT 103B Pharmacology for the Surgical Technologist	2	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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**
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 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Theatre Studies Emphasis

REQUIRED CREDITS: 60

DEGREE CODE: THTR-AA

PROGRAM DESCRIPTION

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

- Identify theatre terminology.
- Explain the social and historical relevance of the central themes and fundamental philosophies of theatrical literature from classical to contemporary.
- Compare and contrast theatre's various genres.
- Analyze scripts in both oral and written form.
- Explain the impact of scenery, property, lighting, costuming, and sound on a theatrical production.
- Construct at least one of five components of technical theatre for a college production.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (34 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or 123 or above; or STAT 152	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 223 or above	3	_____
ANALYTICAL REASONING PHIL 102 or 114	3	_____
NATURAL SCIENCE (Two courses from the following, one must include a lab): ANTH 102; AST; BIOL 101 or above; CHEM 105 or above; EGG; ENV; GEOG 103, 104, 117; GEOL; PHYS	6-7	_____
SOCIAL SCIENCE (Nine credits must be from three different disciplines): ANTH (except 102); CRJ 104; ECON; PHIL 135, 205, 207, 216, 244, 245, 246; 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; or HIST 111 and HIST 102; or HIST 111 and HIST 217	4-6	_____

SPECIAL PROGRAM REQUIREMENTS (26 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (23 credits)		
THTR 100 Introduction to Theatre	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	_____
ELECTIVES (choose 3 credits)		
Recommended Transferable Electives		
DAN 132 Jazz Dance (Beginning)	1	_____
DAN 135 Ballet (Beginning)	1	_____
DAN 138 Modern Dance (Beginning)	1	_____
THTR 102 Introduction to Stage Voice	3	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

- NOTE**
- Course numbers with the "B" suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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.

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

STUDENT LEARNING OUTCOMES

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS	3	_____
MATH 104B or 120 or above (except MATH 122, 123)		
ENGLISH COMPOSITION	3-5	_____
ENG 100 or 101 or 107 or 113		
COMMUNICATIONS	3	_____
BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105		
HUMAN RELATIONS	3	_____
ALS 101; ANTH 101, 112, 201, 205; HIST 105, 106, 107, 150, 151, 210, 247, 260; HMS 130; MGT 283; PHIL 135; PSC 201; PSY 101, 102, 207, 208, 261; SOC 101 or above		
NATURAL SCIENCE	3	_____
AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; PHYS 110 or above		
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES	3	_____
AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106, 109; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; WMST 113		
U.S. AND NEVADA CONSTITUTIONS	4-6	_____
PSC 101; or HIST 101 and HIST 102; or HIST 101 and HIST 217; or HIST 111 and HIST 102; or HIST 111 and HIST 217		

SPECIAL PROGRAM REQUIREMENTS (39 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (24 credits)		
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	_____
ELECTIVES (choose 15 credits)		_____
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	_____

- NOTE**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

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 (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (24 credits)		
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	_____
ELECTIVES (choose 3 credits)		_____
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**
- Course numbers with the “B” suffix may be non-transferable for a NSHE baccalaureate degree.
 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (27 CREDITS)**SPECIAL PROGRAM REQUIREMENTS (47 CREDITS)**

	CR	SEMESTER		CR	SEMESTER
MATHEMATICS MATH 104B or 116 or 120 or above (except MATH 122, 123)	3	_____	VETT 101B Introduction to Animal Health Technology	1	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____	VETT 105B Veterinary Medical Terminology	1	_____
COMMUNICATIONS BUS 108; COM 101, 102, 215; ENG 102, 114, 205; JOUR 102; THTR 105	3	_____	VETT 110B Clinical Anatomy and Physiology I	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 101 or above	3	_____	VETT 112B Clinical Anatomy and Physiology II	4	_____
NATURAL SCIENCE BIOL 189 and 251	8	_____	VETT 125B Veterinary Office and Clinical Procedures	2	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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	_____

- NOTE**
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 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.
 - 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.



Water/Wastewater Treatment

REQUIRED CREDITS: 60

DEGREE CODE: WWT-AAS

PROGRAM DESCRIPTION

This program prepares students for a career in water and/or wastewater treatment maintenance. Students learn to maintain and operate machinery and equipment used in facilities for the treatment of water supplies in urban areas and/or for wastewater treatment that is released back into the environment. Academic skills emphasizing math, science and human relations are stressed to prepare students to meet challenges common in the workplace.

STUDENT LEARNING OUTCOMES

- Describe the fundamentals of water and/or wastewater treatment.
- Identify the laws and regulations that apply to water and/or wastewater treatment.
- Differentiate the various treatment methodologies and technologies applicable to water and/or wastewater treatment.
- Explain pump operation and maintenance for water and/or wastewater treatment operation.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (22 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 104B or above (except MATH 115B, 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
COMMUNICATIONS COM 115	3	_____
HUMAN RELATIONS ALS 101 or MGT 100B	3	_____
NATURAL SCIENCE EGG 131 or ENV 101	3	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES PSY 101 or SOC 101 or SPAN 101B	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 (38 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (29 credits)		
AIT 205B Industry Customer Service	1	_____
WWT 103B Environmental Laws and Regulations	3	_____
WWT 110B Introduction to Hazardous Materials Management	3	_____
WWT 115B Water/Wastewater Mathematics I	3	_____
WWT 120B Pump Operation and Maintenance	3	_____
WWT 210B Industrial Pretreatment Inspections	3	_____
WWT 215B Water/Wastewater Mathematics II	3	_____
WWT 220B Water Quality Analysis	4	_____
WWT 225B Wastewater Collection Systems	3	_____
WWT 230B Current Issues	3	_____
Choose one from the following (0-3 credits)		
IS 100B Core Computing Competency	0	_____
IS 101 Introduction to Information Systems	3	_____
SPECIALTY COURSES (9 credits)		
Choose one concentration		
Water Treatment		
WWT 105B Water Treatment Operations I	3	_____
WWT 106B Water Treatment Operations II	3	_____
WWT 205B Water Distribution	3	_____
Wastewater Treatment		
WWT 101B Wastewater Treatment I	3	_____
WWT 102B Wastewater Treatment II	3	_____
WWT 201B Wastewater Treatment III	3	_____

- NOTE**
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 - Course numbers with the "H" suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

This program prepares students for a career in water and/or wastewater treatment maintenance. Students learn to maintain and operate the machinery used in facilities for the treatment of water supplies in urban areas and/or for wastewater treatment that is released back into the environment.

STUDENT LEARNING OUTCOMES

- Describe the fundamentals of water and/or wastewater treatment.
- Identify laws and regulations that apply to water and/or wastewater treatment.
- Differentiate the various treatment methodologies and technologies applicable to water and/or wastewater treatment.
- Explain pump operation and maintenance for water and/or wastewater treatment operation.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (28 CREDITS)

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS	3	_____	CORE REQUIREMENTS (19 credits)		
COM 115			WWT 115B Water/Wastewater Mathematics I	3	_____
			WWT 120B Pump Operation and Maintenance	3	_____
			WWT 215B Water/Wastewater Mathematics II	3	_____
			WWT 220B Water Quality Analysis	4	_____
			WWT 225B Wastewater Collection Systems	3	_____
			WWT 230B Current Issues	3	_____
			Choose one from the following (0-3 credits)		
			IS 100B Core Computing Competency	0	_____
			IS 101 Introduction to	3	_____
			SPECIALTY COURSES (9 credits)		
			Choose one concentration		
			Water Treatment		_____
			WWT 105B Water Treatment Operations I	3	
			WWT 106B Water Treatment Operations II	3	
			WWT 205B Water Distribution	3	
			Wastewater Treatment		_____
			WWT 101B Wastewater Treatment I	3	
			WWT 102B Wastewater Treatment II	3	
			WWT 201B Wastewater Treatment III	3	
			Computation included in WWT 115B		
			Human Relations included in WWT 230B		

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



Welding Technology - Advanced Level Welder Emphasis

REQUIRED CREDITS: 66

DEGREE CODE: WELDADVAAS

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (25 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or above (except MATH 122, 123)	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 107 or 113	3-5	_____
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 101 or above	3	_____
NATURAL SCIENCE AST 101 or above; BIOL 101 or above; CHEM 103 or above; EGG 131, 132; ENV 101 or above; GEOG 103, 104, 117; GEOL 100 or above; HHP 123B, 124B; PHYS 110 or above	6	_____
FINE ARTS/HUMANITIES/ SOCIAL SCIENCES AM 145 or above; ANTH 101 or above (except 102); ART 101 or above; COM 101 or above; ECON 100 or above; ENG 223 or above; GEOG 106 or above; HIST 101 or above; International Languages 101B or above; MUS 101 or above; PHIL 101 or above; PSC 101 or above; PSY 101 or above; SOC 101 or above; THTR 100 or above; 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	_____

- NOTE**
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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



**Welding Technology -
Entry Level Welder Emphasis**

REQUIRED CREDITS: **30**

DEGREE CODE: **WELDENT-CT**

PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (3 CREDITS)

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER		CR	SEMESTER
COMMUNICATIONS	3-5	_____	ALS 101 College Success	3	_____
ENG 100 or 101 or 107 or 113			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		

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 - Course numbers with the “H” suffix are designated Honors-level courses and can be used to fulfill equivalent general education requirements. For more information visit www.csn.edu/honors.
 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.



PROGRAM DESCRIPTION

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

- 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.

PLEASE NOTE - The courses listed below may require a prerequisite or corequisite. Read course descriptions before registering for classes. All MATH and ENG courses numbered 01-99 must be completed before reaching 30 total college-level credits. No course under 100-level counts toward degree completion.

GENERAL EDUCATION REQUIREMENTS (35 CREDITS)

	CR	SEMESTER
MATHEMATICS MATH 120 or 124 or above	3	_____
ENGLISH COMPOSITION ENG 100 or 101 or 113; and 102 or 114	6-8	_____
LITERATURE ENG 231 or 232	3	_____
ANALYTICAL REASONING PHIL 102	3	_____
NATURAL SCIENCE (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 SCIENCE (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	_____

VALUES AND DIVERSITY

All students MUST fulfill this requirement. Course chosen may also be used to fulfill the corresponding general education or special program requirements. See page 44 for list of choices.

SPECIAL PROGRAM REQUIREMENTS (27 CREDITS)

	CR	SEMESTER
CORE REQUIREMENTS (6 credits)		
WMST 101 Introduction to Women's Studies	3	_____
WMST 113 Gender, Race, and Class	3	_____
ELECTIVES (choose 9 credits)		
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	_____
HUMANITIES	6	_____
COM 101 and ENG 223 or above; HIST; International Languages 111 or above		
FINE ARTS	6	_____
ART; DAN; Music; THTR		

- NOTE**
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 - In no case, may one course be used to meet more than one requirement except for the Values and Diversity general education requirement (only AA, AS, and AB degrees) which may be used to fulfill the corresponding general education or emphasis requirement.
 - 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.

