SCHOOL OF ADVANCED AND APPLIED TECHNOLOGIES

The School of Advanced and Applied Technologies is comprised of three departments. They offer a wide variety of programs leading to...

- Associate of Applied Science (AAS) degree
- Certificates of Achievement (CoA)
- Certificates of Completion (CoC)

...and preparing students to meet the high-tech training demands of Southern Nevada’s workforce.

The School offers courses on all CSN campuses, both during the day and evening with selected Saturday offerings. All programs emphasize hands-on learning along with theory and are offered in well-equipped classrooms and laboratories. Computer laboratory facilities, open seven days a week, are also available.

Departments:

- Applied Technologies
- Computing and Information Technology
- Media Technologies

Programs, Degrees, and Certificates:

DEPARTMENT OF APPLIED TECHNOLOGIES

Air Conditioning Technology Program

- AAS Air Conditioning ..................................................51
- CoA Air Conditioning Technology ....................................53
- AAS Air Conditioning – Central Plant ..............................54
- CoA Air Conditioning – Central Plant ..............................55
- AAS Air Conditioning – Critical Systems ...........................56
- CoA Air Conditioning – Critical Systems ...........................58
- AAS Air Conditioning Technology – Food Service Refrigeration.............................................59
- CoA Air Conditioning Technology – Food Service Refrigeration.............................................61

Architectural Design Technology Program

- AAS Architectural Design Technology – Interior Design ..................................................82
- AAS Architectural Design Technology – Residential Design ..................................................83

Automotive Technology Program

- AAS Automotive Technology – Alternative Fuels and Hybrid Technician..........................87
- AAS Automotive Technology – Collision Repair ...............................................................88
- CoA Collision Repair ........................................................89
- CoA Automotive Technology – Diagnostic Specialist .......................................................90
- CoA Automotive Technology – Heavy-Line Specialist .....................................................91
- AAS Automotive Technology – Master Technician .......................................................92
- AAS Automotive Technology – Performance Technician ................................................93
- AAS Automotive Technology – Service Technician .........................................................94
- CoA Auto Maintenance and Light Repair .................................................................95

Aviation Technology Program

- AAS Aviation Technology – Flight Operations .........................................................96
- AAS Aviation Technology – Professional Pilot .............................................................97
- CoA Aviation Technology ..........................................................98

CADD Technology Program

- CoA CADD Technology ..................................................106

Construction Management Program

- AAS Construction Management ........................................138

Diesel Heavy Equipment Program

- AAS Diesel Heavy Equipment Master Technician ................169
- CoA Diesel Heavy Equipment Maintenance Technician ................170

Engineering Technology Program

- AAS Engineering Technology – Bench Technician ..................189
- AAS Engineering Technology – Biomedical Equipment Technician ............................191
- AAS Engineering Technology – Defense Contractor Technician .......................................193
- CoA Engineering Technology – Electronics .........................................................195
- AAS Engineering Technology – Industrial .........................................................196
- CoA Engineering Technology – Industrial .........................................................197
- CoA Engineering Technology – Management .....................................................198
- AAS Engineering Technology – Operations ......................................................199
- CoA Engineering Technology – Operations ......................................................200
- AAS Engineering Technology – Power Utility – Electrical Maintenance ..........................201
- CoA Engineering Technology – Power Utility – Electrical Maintenance ..........................203
- AAS Engineering Technology – Power Utility – Mechanical Maintenance ..................204
- CoA Engineering Technology – Power Utility – Mechanical Maintenance ..................206
- AAS Engineering Technology – Power Utility – Plant Operation ..................................207
- CoA Engineering Technology – Power Utility – Plant Operation ..................................209
- AAS Engineering Technology – Self-Service Device Technicians ..................................210
- CoA Engineering Technology – Slot Repair .........................................................212
- AAS Engineering Technology – Slot Technology Technicians ....................................213
- AAS Telecommunications .........................................................215
- CoA Telecommunications .........................................................217
- AAS Engineering Technology – Theatre Technology ...........................................218
- CoA Engineering Technology – Theatre .........................................................220

Floral Design Technology Program

- AAS Floral Design Technology ..................................................228
- CoA Floral Design Technology ..................................................230

Water/Wastewater Treatment Program

- AAS Water/Wastewater Treatment – Water Treatment ..................................................312
- CoA Water/Wastewater Treatment – Water Treatment ..................................................313
- AAS Water/Wastewater Treatment – Water Treatment ..................................................314
- CoA Water/Wastewater Treatment – Water Treatment ..................................................315

Welding Technology Program

- AAS Welding Technology – Advanced Level Welder ...........................................316
- CoA Welding Technology – Entry Level Welder ...................................................318
The School of Arts and Letters offers transferable general education courses through which you can explore a variety of courses and training necessary to prepare students to be successful in their chosen career field. In addition, the School offers programs for transfer students along with self-enhancement courses, all designed to meet the diverse needs of students. The School also provides certification programs and internship opportunities to better serve students and the community.

Included in the broad range of educational opportunities offered through the School are Associate of Business and Associate of Arts degrees for transfer students, Associate of Applied Science degrees in 15 occupational areas as well as a number of certificate programs.

School of Business, Hospitality, and Public Services

Through studies in the School of Arts and Letters, you can explore foreign language and culture, literature, fine arts, and oral and written communication – while discovering a new world within yourself.

Whether your interest is in improving a skill for work, to expand your sensibilities about art, or to prepare for transfer to a four-year institution, the School of Arts and Letters will provide you with myriad options from which to choose. We want students to understand and value their cultural and intellectual heritages and those of others. We do so to foster an appreciation for lifelong learning, to enable students to be better prepared for changing work environments, and to encourage students to knowledgeably and responsibly contribute to society.

The School of Arts and Letters offers transferable general education courses through which you can explore a variety of interests and hone your oral and written communication skills with the guidance of highly skilled, creative faculty.
Departments:
Accounting, Finance, and Computer Office Technology
Business Administration
Hospitality Management
Public Safety and Human Services

Programs, Degrees, and Certificates:

DEPARTMENT OF ACCOUNTING, FINANCE, AND COMPUTER OFFICE TECHNOLOGY

Accounting
AAS Accounting .................................................. 48
CoA Bookkeeping .................................................. 50

Computer Office Technology Program
AAS Computer Office Technology ...................... 115
CoA Computer Office Technology ......................... 117

DEPARTMENT OF BUSINESS ADMINISTRATION

Business Program
AB Associate of Business .................................. 102

Business Management Program
AAS Business Management ................................. 103
CoA Business Management ................................. 105

Marketing Program
AAS Marketing .................................................. 255

Retail Management Program
CoA Retail Management .................................. 299

Paralegal Program
AAS Paralegal Studies .................................... 271
CoA Paralegal Studies .................................... 273

Real Estate Program
AAS Real Estate ............................................... 297
CoA Real Estate ............................................... 298

DEPARTMENT OF HOSPITALITY MANAGEMENT

Casino Management Program
AAS Casino Management ................................. 111
CoA Casino Management ................................. 113

Culinary Arts Program
AAS Culinary Arts ........................................... 148
CoA Culinary Arts ........................................... 150
AAS Pastry Arts ............................................. 151
CoA Pastry Arts ............................................. 153

Food and Beverage Management Program
AAS Food and Beverage Management ............... 231
CoA Food and Beverage Management ............... 233

Hotel Management Program
AA Hospitality Management .......................... 244
AAS Hotel Management .................................. 245
CoA Hotel Management .................................. 247

Tourism, Convention, and Event Planning Program
CoA Concierge Management ................................ 306
AAS Tourism, Convention, and Event Planning ....... 307
CoA Tourism, Convention, and Event Planning ....... 309

DEPARTMENT OF PUBLIC SAFETY AND HUMAN SERVICES

Criminal Justice Program
AA Criminal Justice .......................................... 142
AAS Criminal Justice .......................................... 144
CoA Criminal Justice .......................................... 145
AAS Criminal Justice – Law Enforcement Training Academy .......................................... 146
CoA Criminal Justice – Law Enforcement Training Academy .......................................... 147

Fire Technology Program
BAS Fire and Emergency Administration .............. 223
CoA Fire Science Technology – Fire Fighting ......... 225
AAS Fire Technology Management ..................... 226

SCHOOL OF EDUCATION, BEHAVIORAL AND SOCIAL SCIENCES

The School of Education, Behavioral and Social Sciences is comprised of three departments and offers courses in a variety of disciplines as part of the social sciences and pre-professional education curriculum of the institution. Students may take introductory courses in many of the disciplines as they work towards the Associate of Arts, and Associate of Applied Science degrees, and Certificates at CSN or towards a bachelor’s degree in one of the NSHE comprehensive universities, colleges, or elsewhere. In addition to these, the School provides junior and senior level courses in education, philosophy, and economics in support of CSN’s Bachelor of Science Degree in Dental Hygiene.

This School is multi-disciplinary and dedicated to meeting local, state, and national needs, while maintaining a global focus. It takes the view that many of the issues we face will find resolution not within the narrow confines of a particular discipline, but at the boundaries of the disciplines.

You will come to interact with professors and instructors who will challenge, assist, engage, instruct, and guide you as you make the journey to self-discovery, and local, state, national, and global awareness. We promise you a challenging and exciting curriculum that will change you and enable you to change your community and our world for the better.

Departments:
Education
Human Behavior
Social Sciences

Programs, Degrees, and Certificates:

DEPARTMENT OF EDUCATION

Early Childhood Education Program
AA Early Childhood Education ...................... 171
AAS Early Childhood Education – Director .......... 173
AAS Early Childhood Education – Early Care and Education ...................... 175
DEPARTMENT OF HUMAN BEHAVIOR

Anthropology Program
- AA Anthropology ........................................... 62
- AA Anthropology – African Culture .................... 64

Applied Psychology
- AAS Applied Psychology – Addiction Services ....... 66
- AAS Applied Psychology – Aging Services .......... 68
- AAS Applied Psychology – Child/Family Services .... 70
- AAS Applied Psychology – Community Social Services ...... 72
- AAS Applied Psychology – Disability Services ...... 74
- AAS Applied Psychology – Mental Health Services .... 76
- AAS Applied Psychology – Supervisory Services ...... 78
- CoA Applied Psychology – Mental Health Services .... 80

Psychology Program
- AA Psychology ............................................. 293

Sociology Program
- AA Sociology .................................................. 300

DEPARTMENT OF SOCIAL SCIENCES

Economics Program
- AA Economics .................................................. 179
- AA Economics – Applied Financial Economics ....... 181

Global Studies Program
- AA Global Studies ........................................... 234

History Program
- AA History ..................................................... 242

Philosophy Program
- AA Philosophy ............................................... 279

Political Science Program
- CoA Applied Politics/Political Management .......... 287
- AA Political Science ........................................... 288

Women’s Studies Program
- AA Women’s Studies ........................................ 319

RALPH AND BETTY ENGELSTAD SCHOOL OF HEALTH SCIENCES

The Ralph and Betty Engelstad School of Health Sciences offers a Bachelor of Science degree in Dental Hygiene as well as Bachelor of Applied Science degrees in Medical Laboratory Science and Cardiorespiratory Sciences. There are 12 Associate Degree programs; 8 Certificates of Achievement; and 9 Certificates of Completion. While the majority of health program pre-requisites and general education requirements may be taken at any of the three main campus locations, health program coursework is held primarily at CSN’s Charleston campus.

Entrance into many of the Health Sciences Programs is limited. The Health Programs Advisement Office holds weekly orientation on the step-by-step procedures for admission. Attending a Health Programs Orientation and meeting with a Health Programs Advisor is required of all students interested in applying to a Limited-Entry Program. The Health Advisement Offices are located at the Charleston, Cheyenne, and Henderson campuses.

Departments:
- Dental Sciences, Diagnostic Evaluation and Rehabilitation Services
- Health Related Professions
- Nursing

Programs, Degrees, and Certificates:

DEPARTMENT OF DENTAL SCIENCES, DIAGNOSTIC EVALUATION, AND REHABILITATION SERVICES

Dental Hygiene Program
- AS Dental Hygiene ........................................... 160
- BS Dental Hygiene – Education Specialist .......... 162
- BS Dental Hygiene – Public Health Specialist ....... 163

Dental Assisting Program
- CoA Dental Assistant – Clinical Emphasis .......... 159

Diagnostic Medical Sonography Program
- AAS Diagnostic Medical Sonography – Cardiac/Vascular Ultrasound Track .......... 165
- AAS Diagnostic Medical Sonography – General/Vascular Ultrasound Track .......... 167

Medical Laboratory Program
- BAS Medical Laboratory Scientist ................. 257
- AAS Medical Laboratory Technician ............... 259

Ophthalmic Technology Program
- AAS Ophthalmic Technology – Ophthalmic Dispensing Technician .......... 269

Physical Therapist Assistant Program
- AAS Physical Therapist Assistant ................. 285

Radiation Therapy Program
- AAS Radiation Therapy Technology ............... 295
DEPARTMENT OF HEALTH RELATED PROFESSIONS

Cardiorespiratory Sciences Program
- BAS Cardiorespiratory Sciences ......................................... 107
- AAS Cardiorespiratory Sciences ........................................... 109

Health Information Technology Program
- AAS Health Information Technology .................................. 238
- CoA Medical Coding ......................................................... 240
- CoA Medical Transcription .............................................. 241

Medical Office Assisting Program
- CoA Medical Office Assisting ............................................. 261

Paramedic Medicine Program
- AAS Paramedic Medicine .................................................. 274
- CoA Paramedic Medicine .................................................. 276

Pharmacy Technician Program
- CoA Pharmacy Technician ................................................ 278

Surgical Technology Program
- AAS Surgical Technology .................................................. 302

Veterinary Technology Program
- AAS Veterinary Technology ............................................... 310

DEPARTMENT OF NURSING

Nursing Program
- AAS Nursing ................................................................. 265
- AAS Nursing – LPN to RN ............................................... 267

Practical Nursing Program
- CoA Practical Nursing ...................................................... 290
- CoA Practical Nursing – Military Medic/Corpsman to LPN .......... 292

SCHOOL OF SCIENCE AND MATHEMATICS

The School of Science and Mathematics provides excellence in instruction and learning in mathematics and sciences to a diverse student body. The School’s curriculum is designed to develop students’ critical thinking skills and to promote their scientific and mathematical knowledge and understanding. The School offers 2 different emphases of the Associate of Science degree–Biology and Physical Science.

School faculty provide outstanding teaching in classrooms, lab-settings, and via online courses. These faculty not only have outstanding academic backgrounds, but they also have proven records of outstanding teaching. Many are also active in their professional organizations to keep current in their fields.

Departments:
- Biological Sciences
- Mathematics
- Physical Sciences

Programs, Degrees, and Certificates:

DEPARTMENT OF PHYSICAL SCIENCES

Physical Sciences Program
- AS Physical Sciences .................................................... 283
- AS Associate of Science ................................................. 100

DIVISION OF APPRENTICESHIP STUDIES

CSN has formed credit granting partnerships with several area registered apprenticeship programs. These programs are required to adhere to a set of standards as developed by the United States Department of Labor, Bureau of Apprenticeship and Training. The specific requirements for the standards are listed in Nevada Revised Statute 610, and each program’s standards are reviewed and approved by the Nevada State Apprenticeship Council. Additionally, program curriculum is reviewed and approved by the Nevada Department of Education. A minimum of 144 hours of related instruction is required for each year of apprenticeship, and the period of indentureship ranges from a minimum of two to a maximum of five years depending on the particular apprenticeship program. Individuals become indentured through the Joint Apprenticeship and Training Committee selection process. A specific Associate of Applied Science (AAS) and/or Certificate of Achievement are available to any enrolled, registered apprentice. College credit is awarded for the special program courses taught and paid for by the apprenticeship partner. Individual apprentices are required to enroll in general education courses required for completion of the AAS and/or Certificate.

For information about the qualifications necessary for entering the various programs, please contact the CSN Division of Apprenticeship Studies office at 702-651-4163.

Degrees/Certificates by Approved program partnerships include:

BRICKLAYERS AND ALLIED CRAFTSMEN
- AAS Bricklayers .............................................................. 462
- CoA Bricklayers ............................................................. 463
- AAS Tile Setter .............................................................. 519
- CoA Tile Setter .............................................................. 520

CARPENTERS
- AAS Carpentry .............................................................. 464
- CoA Carpentry .............................................................. 465
- AAS Drywall Applicator .................................................. 468
- CoA Drywall Applicator .................................................. 469
- AAS Millwright .............................................................. 490
- CoA Millwright .............................................................. 491
- AAS Pile Driver ............................................................. 496
- CoA Pile Driver ............................................................. 497
- AAS Scaffold Erector ..................................................... 507
- CoA Scaffold Erector ..................................................... 508

ENVIRONMENTAL AND CONSTRUCTION LABORERS
- AAS Environmental and Construction Laborer ................. 470
- CoA Environmental and Construction Laborer ................. 471
Students seeking educational opportunities, other than specific credit degrees offered at CSN main campuses, have access to additional options through the Division of Workforce and Economic Development Programs.

The Division of Workforce and Economic Development offers non-credit classes and programs in a format to meet the needs of business and industry, local government, and educational institutions through customized training programs and curricula. Training programs and workshops are tailored to fit the specific needs of clients so students are able to quickly apply what they have learned.

The Division of Workforce and Economic Development offers continuing education in the following program specialty areas:

**Adult Literacy and Language Program:** The College of Southern Nevada’s Adult Literacy and Language program is the largest of its kind in Nevada, and has served the greater Las Vegas Valley and surrounding area for more than twenty years. The program provides classes for those learning English as a Second Language (ESL), English Language Civics (EL/Civics) and those desiring to obtain a High School Equivalency credential (HSE Prep).

**American Heart, Healthcare and Emergency Medical Services (EMS):** CSN’s American Heart Association Authorized Training Center provides continuing education and certifications such as CPR, Basic, Pediatric, and Advanced Life Support. The Healthcare program provides a variety of continuing education courses needed for upgrading ones skills, and also for entry level healthcare professions in Southern Nevada. Examples of these are Dialysis Patient Care Technician (PCT) and Health Unit Coordinator (HUC), and Home Care Aid.

**Community and Personal Enrichment:** This program offers ongoing fee-based, non-credit classes every semester to assist individuals in their personal development and plays a significant role in increasing job readiness skills. Classes address a broad variety of personal growth courses including but not limited to arts and crafts, recreational and leisure interests, professional and personal development programs, software and computer skills, test preparation, theatre, and language courses. The Professional Development classes focus on individuals seeking to enhance employment skills, advance their careers, those unemployed returning to the workforce and military members transitioning into the civilian lifestyle. Many classes provide the opportunity to earn
Continuing Education Units (CEU’s)/certificate of completion. Classes are listed in the Community and Personal Enrichment Program Schedule distributed three times a year and available at all CSN campuses and online at www.csn.edu/workforce.

Business Services: This program works in conjunction with Nevada companies and organizations to assess and disseminate the skills necessary for students and employees to be successful in today’s job market. This includes foundational skills development, and a variety of professional training programs and assessments designed to increase skill levels and assist with employment and/or career changes. The program provides customized training, and job skill assessments such as ACT WorkKeys, which results in a National Career Readiness Certificate (NCRC). The NCRC is a portable, evidence-based credential that documents essential skills needed for workplace success. The program also provides access to public services for Nevada citizens through a partnership with the Department of Employment, Training and Rehabilitation at the Nevada Workforce Development Center.

Math Prep: CSN’s Division of Workforce and Economic Development, in partnership with the Department of Mathematics, offers non-credit Math Prep courses. These courses are designed to prepare students, who have not met the criteria for Math 095 or higher, with the skills to be successful in entry level mathematics courses.

Facilities Maintenance & Operation Training Program: The Facilities Maintenance & Operation Training Program offers accelerated training with entry level skills in Safety, Plumbing, Electrical and HVAC by working with area businesses and industries in the design and implementation of customized training programs. Upon successful completion of the course work in each craft area, students receive portable industry recognized credentials.

Workplace Safety Program: This program provides a wide variety of workplace and personal safety courses including OSHA 10 and 30 classes, state required OSHA 10 and 30 updates, Motorcycle Rider Safety classes, Rape Aggression Defense (RAD) classes and other personal and workplace safety classes, as needed. CSN and the Division’s Workplace Safety Program now offer the Fire Service Joint Labor Management Wellness/Fitness Initiative Program-Candidate Physical Ability Test (CPAT). The CPAT has been developed as a fair and valid evaluation tool to assist in the selection of fire fighters, and to ensure that all fire fighter candidates possess the physical ability to complete critical tasks effectively and safely.