

**COMMUNITY COLLEGE OF SOUTHERN NEVADA**  
**Strategic Objectives and Plan for Academic Affairs**  
March 10, 2006

**BACKGROUND**

Activities leading to the revision of the Academic Plan in 2005 were grounded in the college's mission and values, and in its strategic planning framework. The plan also was intended to respond to developing circumstances and to questions that required answers. CCSN operates on the principles and values described within the strategic planning framework, that, in turn, the academic plan extends and affirms. Those beliefs and practices underlie the efforts of faculty and staff to meet the needs of all students, respond to the needs of the community, and remain responsive to the needs of business and industry. The College values and maintains close partnerships with local businesses and with the counties and sites it serves.

Prior to revision of the academic master plan, CCSN experienced extremely rapid growth, outpacing projections. As a result of this precipitous growth curve, large numbers of classes and programs were added, many new faculty and staff were hired, and the campuses of the College began to experience increasingly crowded conditions. It became clear that new planning efforts were needed to attend to the future of College programs, facilities, and services.

Related to the planning process were studies on population and enrollment growth, assessments of information technology, student services, and specialized programming for business and industry. Several questions related to the educational programs and services of the College required answers, such as:

- How residential growth of future students should be accommodated on the current campuses and sites;
- Whether programs should be offered in additional locations throughout the four county area;
- Whether partnerships could be used to provide certain services and/or programs;
- Whether current programs would grow more slowly than, in equal proportion to, or more rapidly than the College's overall growth;
- Which programs or courses might be added in response to new developments in business, industry, or subject matter;
- Which courses or programs might be offered through alternative delivery systems;
- How a comprehensive use of distance technology might assist CCSN with growth.

**PLANNING PROCESSES**

Development of the educational plan began at the departmental level. The planning team interviewed nearly one hundred lead faculty and/or staff members to determine the following for each department or office:

- the current status of the program or service;
- new or additional courses or services planned for the short-term (3-5 years);
- the characteristics and quantity of any new space needed by the program or service;
- technology needs;
- staffing needs.

Concurrently, the planning team collected data on each field of study, beginning with Fall 2002 figures. The information included student numbers, weekly student contact hours (WSCH), lecture and laboratory offerings, numbers of faculty for each teaching department and numbers of staff for service or support departments. Projections for future needs were translated into numbers and reviewed by the Vice President of Academic Affairs, and the Divisional Deans.

**ORGANIZATION OF THE EDUCATIONAL PLAN**

Information gathered on each department or program is included in the following sections. These descriptions are supplemented by general discussions of anticipated future program changes, growth and development. While this material is presented as a forecast, rapid changes in technology and in the subject areas themselves make completely accurate predictions impossible.

Goal/Objectives	Strategy	Fiscal Impact	Responsible Office	Timeline
<b>GOAL 1: Restoring Public Confidence</b>				
1.1 Restore Public Confidence in the Management and Operations of CCSN (Input to CFO)	Implement a philosophy of openness and transparency.	None	Academic Affairs and other CCSN offices	From plan adoption
	Use internal audit to review college operations and make recommendations	None is positions are staffed	Administrative Services	Fall 2005
	Improve internal communications; establish taskforce to provide recommendations on communications	None	Institutional offices	Spring 2006 and on-going
1.2 Establish College-wide CCSN Accountability Measures, Standards and Expectations (Input to VP for Planning)	Develop Key Performance Indicators (KPIs) for academics	None	Academic Affairs and the assessment office	Fall Semester 2006
1.4 Establish Uniform and Consistently Applied Administrative Policies and Procedures (Input to VP for Administration)	Work with the Faculty Senate on developing essential policies	None	Academic Affairs and Faculty Senate	Fall Semester 2005 and on-going.
	Engage a general communications plan for disseminating new policy and procedure information	None, include in newsletters and electronic correspondence	Academic Affairs & President's Office	Fall Semester 2005 and on-going.
1.6 Establish Budgetary and Pre-Audit Controls (Input to CFO)	Introduce the budget/productivity model	None	Academic Affairs	Spring Semester 2006 with faculty input and full implementation with next bienium.
	Extend use of internal audit	None	Administrative Services & Academic Affairs	Fall Semester 2005 and on-going.
1.9 Effectuate Efficiencies in Operations and Non-duplication of Program and Service Efforts (Input to VP for Planning)	Charge the curriculum committee with review & placement "audit" of courses and programs	None	Faculty Senate and Academic Affairs	Spring Semester 2006 and on-going.
<b>GOAL 2: Resourcing CCSN</b>				
2.2 Develop Alternative Revenue Streams (Input to VP for Planning)	Encourage grants and contracts in each division	Seed funding	Academic Affairs and Grants Office	Fall Semester 2005 and on-going.
2.4 Establish Managed Growth	Update the academic master plan with	None	Academic Affairs and	Spring Semester 2006

and Cost Containment Parameters (Input to CFO)	data-driven strategies		other CCSN offices	
2.5 Increase Gifts, Grants and Contracts (Input to VP for Planning)	Enhance visibility of development office and of gift and grant opportunities.	None for gifts. Future seed funding for grant development.	Academic Affairs, Development Office, Grants Office	Fall Semester 2005 started with Development Office presentation.
2.6 Establish Long-term Profitable Partnerships with Business and Industry (VPAA lead)	<p>Expand opportunities for Workforce Development Division</p> <p>Improve the responsiveness to small and mid-size businesses in manufacturing, retailing, computing and other service-oriented enterprises by providing tailored workshops for corporate clients.</p> <p>Enhance the visibility of CCSN as a major player in economic development in Southern Nevada by active participation in the local and state office of Economic Development and the Nevada Development Authority.</p>	None. Strategies can be addressed within existing resources.	Division of Workforce and Economic Development	Began Fall Semester 2005
2.7 Achieve More Equitable Share of State Appropriation Support (Input to President)	Quantify the case from an academic perspective, as needed, with peer comparisons, Key Performance Indicators (KPIs) and accountability reporting.	None	Academic Affairs	Spring Semester 2006
<b>GOAL 3: Improving CCSN's Student Success</b>				
3.1 Build Early Intervention and Developmental Support Systems (Input to VPSS)	Reinvent developmental education	Use appropriated funds for new site at UNLV	Academic Affairs & Student Services	Fall Semester 2005
	Improve the opportunity and quality of developmental education to equip students with the skills necessary for academic success.	None. Redeploy as needed.	Academic Affairs & Student Services	Fall Semester 2006
	Assist student services with retention,	TBD	Academic Affairs &	Spring Semester 2006

	<p>advisement initiatives</p> <p>Expand CCSN presence in high schools to include mentoring, tutoring students in the sciences and other disciplines, and encouraging job shadowing.</p> <p>Provide college credit opportunities in the high schools and work with the K-12 system to articulate new opportunities to meet the high employment demand areas of the workforce.</p> <p>Expand articulation agreements with local school districts so that students may enter career programs with advanced standing.</p>	<p>STEP program needs resource support.</p> <p>TBD</p> <p>TBD</p>	<p>Student Services</p> <p>Academic Affairs &amp; Student Services</p> <p>Academic Affairs &amp; Student Services</p> <p>Academic Affairs</p>	<p>Fall Semester 2005</p> <p>Fall Semester 2005</p> <p>Fall Semester 2005</p>
3.2 Integrate Academic Advising/ Mentoring and Counseling Functions (Input to VPSS)	Develop an internal and external monitoring system to assess program and departmental effectiveness in order to enhance student success.	None for internal program review; an institutional program review software will require funding.	Academic Affairs & Student Services	Fall 2006 after regional accreditation.
3.3 Make Recruitment, Retention and Graduation Everyone's Business at CCSN (Input to VPSS)	<p>Formed recruitment and retention working group with Student Services</p> <p>Continue to raise visibility of this objective at Convocation and in division meetings</p> <p>Continue to develop course offerings to accommodate the needs of the community such as weekend college, expanded operating hours, intensive courses, and additional sites.</p> <p>Engage more flexible scheduling to meet market and student demand.</p>	<p>None</p> <p>None</p> <p>Instructional and support costs for expansion and new models.</p> <p>None</p>	<p>Academic Affairs &amp; Student Services</p> <p>Academic Affairs &amp; Student Services</p> <p>Academic Affairs &amp; Student Services</p> <p>Academic Affairs &amp; Student Services</p>	<p>Fall Semester 2005</p> <p>Fall Semester 2005 and on-going</p> <p>Fall Semester 2005 and on-going</p> <p>Fall Semester 2005 and on-going</p>

	Expand distance education offerings by 25% to make training available to “place-bound” students.	Engage Collegis agreement to assist faculty	Academic Affairs & Student Services	Spring Semester 2006 and on-going
3.4 Establish Longitudinal Student Track Systems (Input to VP for Planning)	Improve Institutional Research (IR) databases and systems.  Assess students' experiential learning previous to and during their tenure at CCSN to determine the value of the experience and explore credit value for such experiences.	Issue RFP  None	Academic Affairs and IR  Deans and Chairs	Spring Semester 2006  Fall Semester 2005 and on-going
3.5 Link Outcomes with Student Educational Attainment and Employer Career Preparation Needs (VPAA lead)	Ensure that each program has explicit student learning outcomes.  Conduct institutional-level assessments	None  Funding in place FY06	Deans and chairs  IR Office & Academic Affairs	Fall Semester 2005 and on-going  Fall Semester 2005 and on-going
3.6 Increase Access to Baccalaureate Program Completion (VPAA lead)	Develop BS/BA articulation agreements  Revised NSHE transfer articulation policy	None  None	Academic Affairs, Deans, Departments  Academic Affairs	Spring 2006 and on-going  Spring 2006
3.7 Create new service-learning models (Input to VPSS)	Reinvent service learning at CCSN and coordinate with Student Services.	TBD	Academic Affairs & Student Services	Fall Semester 2005 and on-going
<b>GOAL 4: Enhancing CCSN's Academic Reputation</b>				
4.1 Advance National Ranking and Recognition (VPAA lead)	Obtain specialized accreditation in all areas where available  Continue to fulfill the occupational needs of the community and promote economic diversification.  Conduct regular surveys of business and industry stakeholders to assess program viability for existing programs.  Ensure all technical programs have active advisory committees.	One-time & on-going funding is need. Each program will request and budget for this.  None  TBD  Limited hosting support	Deans and Chairs  Workforce and Economic Development  Workforce and Economic Development  Deans	Fall Semester 2005 and on-going  Fall Semester 2005 and on-going  Fall Semester 2005 and on-going  Fall Semester 2005 and on-going

	Expand faculty development opportunities for regional and national presentations	More funding for faculty development	Academic Affairs	Spring 2006 announced to faculty
4.2 Incentivize teaching and learning innovation (VPAA lead)	Invest more heavily in faculty development	Increase funding	CCSN and Academic Affairs	Fall Semester 2005
4.3 Attract and Retain a Diverse, world-class Faculty (Input to VP for Administration)	Encourage faculty to have links with industry by documented work experience, externships, and internships by offering additional IUs or sabbaticals.	Funding support for IUs	Institutional support and Academic Affairs	Fall Semester 2006
	Create a database and dissemination mechanism for faculty scholarship and creative endeavors.	TBD	Academic Affairs	Explore in Fall 2006
	Review and revise as needed the faculty evaluation and sabbatical programs.	None	Faculty Senate and Academic Affairs	Fall Semester 2006
	Regularly assess hiring processes and practices for improved recruiting	Increase faculty recruiting allowances	Academic Affairs, HR Diversity office, Faculty Senate	Spring 2006
4.4 Establish the Center for Academic and Professional Excellence (Input to President)	Completed Fall 2005	Budget established	CAPE Office	Fall Semester 2005
4.5 Establish Outcomes Assessment and Academic Performance and Productivity Benchmarking (Input to VP for Planning)	Implemented Fall 2005.	None	Academic Affairs, Deans and Chairs, Assessment/IR Office	Fall Semester 2005
4.6 Establish CCSN niche programs of Excellence and Distinction (VPAA lead)	CCSN will develop baccalaureate degree programs for specific educational programs that have a regional need as demonstrated by market and student demand, consistent with CCSN's mission.	TBD on a program basis	Departments	Fall Semester 2005 and on-going
	Appendix B lists certificate and associate degree programs under	TBD on a program basis	Departments and Divisions	Fall Semester 2005 and on-going

	<p>consideration.</p> <p>Help meet the region’s needs for the cultural, social, intellectual, and recreational experiences to expand knowledge, cultural awareness, and quality of life for both the student population and the community at large.</p> <ul style="list-style-type: none"> <li>▪ Offer a wide range of courses in the humanities, designed to deepen and broaden cultural sensibilities and reinforce the importance of the arts to an educated, informed citizenry.</li> <li>▪ Continue to offer and update course offerings to respond to changing community needs and interests in cultural, professional, personal, and recreational activities.</li> <li>▪ Promote cultural experiences and literacy through enhanced offerings of lectures, plays, art exhibits, literary readings, and concerts.</li> <li>▪ Serve as an academic and artistic cultural center for the community, providing an array of cultural activities, classes, and events that reflect CCSNs commitment to a diverse cultural and artistic institution.</li> <li>▪ Integrate diversity—ethnic, gender, cultural, philosophic, intellectual—into campus culture and educate students not only as residents of Nevada and the United States, but also as</li> </ul>	<p>TBD on a program basis</p>	<p>Departments and Divisions and campus administrators</p>	<p>Fall Semester 2005 and on-going</p>
--	--	-------------------------------	--	--

	<p>members of a global community.</p> <ul style="list-style-type: none"> <li>▪ Develop recreational enrichment activities.</li> <li>▪ Increase the number of students in science, technology, engineering and mathematics (STEM) fields of study.</li> <li>▪ Increase course success rate.</li> </ul>			
4.7 Establish CCSN Honors Program (VPAA lead)	Draft a proposal for a new Honors program	TBD	Academic Affairs, Honors Council, PTK advisors	Redesign in Spring semester 2006; implement Spring 2007
<b>GOAL 5: Promoting CCSN's Role in Economic and Workforce Development</b>				
5.1 Launch new Division for Workforce and Economic Development (Input to President)	Completed Fall 2005, now institutionalize	None	Academic Affairs and CCSN	On-going
5.2 Establish CCSN as hub of Southern Nevada Workforce Consortium—Workforce Colleges of Southern Nevada (VPAA lead)	Expand partnerships with Nevada Commission on Economic Development to assist in providing training programs.	None	Workforce and Economic Development & Academic Affairs	Fall 2005 and on-going
	Continue to provide contract continuing education programs for the present industries within the CCSN service areas. (e.g. gaming, office automation, medical) and identify delivery platforms to maximize access and enrollment.	None	Workforce and Economic Development & Academic Affairs	Fall 2005 and on-going
	Work with local economic development agencies to provide contract training for new industries or those expanding in the area.	None	Workforce and Economic Development & Academic Affairs	Fall 2005 and on-going
	Work with local industry to identify specific target training areas and provide quality education and training to provide a viable applicant pool for entry into the work force.	None	Workforce and Economic Development & Academic Affairs	Fall 2005 and on-going
				Fall 2005 and on-going

	Develop and expand apprenticeship programs in cooperation with local industries.	None	Workforce and Economic Development & Academic Affairs	
	Provide ESL, language and literacy training in the work place.	None	Workforce and Economic Development & Academic Affairs	Fall 2005 and on-going
	Continue development of certificate and credit options.	None	Workforce and Economic Development & Academic Affairs	Fall 2005 and on-going
	Develop a collaborative interdepartmental communication process to ensure efficient delivery of programs and services and avoid duplication.	None	Workforce and Economic Development & Academic Affairs	Fall 2005 and on-going
	Expand visibility of the ACT and WORK KEYS™ Service Center.	None	Workforce and Economic Development & Academic Affairs	Fall 2005 and on-going
	Develop process and procedures to provide information and referral to industry externships for teachers and students as a result of the existing outreach links.	None	Workforce and Economic Development & Academic Affairs	Fall 2005 and on-going
	Expand non-traditional, non-credit learning activities throughout southern Nevada.	None	Workforce and Economic Development & Academic Affairs	Fall 2005 and on-going
5.3 Establish new Industry-specific Advisory Boards in support of CCSN academic Programs (VPAA lead)	Establish advisory boards and support them.	None	Academic Affairs and WED Division	Fall 2006 and on-going
	Continue and strengthen use of Joint Technical Skills Committees	None	Technical areas in Academic Affairs	Fall 2005 and on-going
5.4 Establish CCSN Corporate College Learning Centers at Southern Nevada Worksites	Establish the centers and support them.	TBD	Academic Affairs and WED Division	2006-07 and on-going

(VPAA lead)				
5.5 Establish CCSN Clearinghouse for Linking Faculty Expertise with Emerging Business Needs (VPAA lead)	Create processes and procedures for matching programs and departments to business needs.	TBD	Academic Affairs and WED Division	Fall 2005 and on-going
5.6 Position CCSN as Workforce Provider of Choice for Grantsmanship Purposes (Input to VP for Planning)	Involve the division in grants processes.	TBD	Academic Affairs and WED Division Grants Office	Fall 2005 and on-going
5.7 Create Regional CCSN Entrepreneurial Centers (VPAA lead)	Establish the centers and support them.	TBD	Academic Affairs and WED Division	Fall 2006 and on-going
<b>GOAL 6: Extending CCSN's Distributed Learning</b>				
6.1 Establish new CCSN Virtual Learning Enterprise (VPAA lead)	Draft a proposal to define and describe a Virtual Learning Enterprise	None	Academic Affairs and Distance Education Office	Spring Semester 2006
6.2 Create Student-Centered, Quality Standards for Online Program Development (VPAA lead)	Complete and being reviewed Examine "Quality Matters" program for adaptation Adopt institutional policies and procedures	None	Academic Affairs and Distance Education Office	Spring Semester 2006
6.3 Establish Complete CCSN Online Degree and Certificate Programs (VPAA lead)	Courses will be available starting Spring 2006 Semester for online degrees in Business, Accounting, Computing Information Technology, and Criminal Justice. Need more sections of above courses to adequately meet the demand. Discussions are under way to develop online degrees in Hotel Management, Casino Management, and Travel and Tourism for Project SAIL.	Funds for online course development stipend	Academic Affairs, Division of Business, Industry and Public Safety, Distance Education Office with the assistance of Collegis	Spring Semester 2006
6.4 Expand Media Rich Programming (VPAA lead)	Partner with Collegis to develop media rich programming	Contract with Collegis	Academic Affairs, Information Technology, Distance Education	Spring Semester 2006
6.5 Expand CCSN Technical	Partner with Collegis to develop 24/7	Contract with Collegis	Academic Affairs,	Spring Semester 2006

Support Center for Students (Input to VP for Administration)	technical support for student and faculty		Information Technology, Distance Education	
6.6 Establish Online Student Support Services (Input to VPSS)	Partner with Collegis to develop comprehensive Online Student Support Services	Contract with Collegis	Academic Affairs, Student Services, Information Technology, Distance Education	Spring Semester 2006
6.7 Co-Brand CCSN Niche Programs Online with partners (Input to VP for Planning)	<p>CCSN has applied to be part of Project SAIL through the League for Innovation in the Community College.</p> <p>Project SAIL aims to create a national marketplace promoting access, exchange, and dissemination of specialized industry-driven programs anywhere and anytime for community college students.</p> <p>Discussions are under way to develop online degrees in Hotel Management, Casino Management, and Travel and Tourism for Project SAIL.</p>	Funds for online course development stipend	Academic Affairs, Division of Business, Industry and Public Safety, Distance Education Office	Spring Semester 2006
6.8 Incentivize Faculty Adoption of Technology Across CCSN Curriculum (VPAA lead)	Invest more heavily in faculty development		Academic Affairs, Center for Academic and Professional Excellence, Distance Education	Fall 2006
<b>GOAL 7: Celebrating CCSN's Diversity and Multi-Culturalism</b>				
7.1 Globalize CCSN Curriculum (VPAA lead)	Recruit under-represented populations (women and minorities) into applied science and technology fields.	TBD	Academic Affairs and HR Diversity Office	Fall Semester 2005 and on-going
	Integrate diversity--ethnic, gender, intellectual--into campus culture and educate students not only as residents of Nevada and the United States, but also as members of the international community.	TBD	Academic Affairs and HR diversity office	Fall Semester 2005 and on-going
	Pursue faculty exchange programs and participation in study abroad.	TBD	Academic Affairs and Student Services	Spring 2007

7.2 Internationalize CCSN Student Life and Campus Culture (Input to VPSS)	Improve/expand foreign language and ESL instruction	TBD	International Languages Department	Spring 2006 and on-going
	Support international student initiatives	TBD	Student Services	Summer/Fall 2006
<b>GOAL 8: Advancing CCSN's Grantsmanship and Development Agenda</b>				
8.5 Pursue CCSN Academic Program Endowment (Input to VP for Planning)	Explore grants and alternative funding sources to ensure faculty salaries are competitive with industry.	TBD		
<b>GOAL 9: Planning CCSN's Future</b>				
9.1 Employ College-wide, Systematic, Inclusive Planning Process (Input to VP for Planning)	Revise the academic plan with college-wide opportunities for input.	None	Academic Affairs	Spring 2006
	Establish an annual update process	None	Academic Affairs	Spring 2007
9.2 Identify CCSN's Institutional Performance Metrics (Input to VP for Planning)	Implement a monitoring reporting system within the college to report on workforce and economic development program success and accountability.	TBD	Academic Affairs and WED Division	Fall 2006
9.4 Establish a Uniform Performance Evaluation Process (Input to VP for Administration)	Review and revise as needed faculty evaluation policy and procedures	None	Faculty Senate	Fall 2006
9.6 Reorient CCSN's Executive and Academic Decision Making Process—Data-Driven Decisions (Input to VP for Planning)	Introducing resource allocation model	None	Academic Affairs	Test, Spring 2006
	Exploring Program Review and IRIS software/tools	TBD	IR office	Spring 2006
<b>GOAL 10: Building Out CCSN's Campus Infrastructure</b>				
10.1 Develop Long-Range Academic and Physical Plant Master Plan (Input to VP for Planning)	Revise the academic plan annually as a springboard for facilities planning.	None	Academic Affairs	Spring 2006 and on-going
10.6 Expand CCSN Virtual and Physical Library and Learning Resources (VPAA lead)	Maintain an adequate level of financial support to ensure universal patron access to information.	TBD	Academic Affairs	Spring 2006
	Develop ongoing financial support for newly created or expanded programs and increase professional and classified library staff proportionate	TBD	Academic Affairs and Library faculty	Spring 2006

	to CCSN population demands.			
--	-----------------------------	--	--	--

## APPENDIX A

Faculty/WSCH*	FTEF Full-time	FTEF Over-load	FTEF Part-time	FTEF Total	WSCH Total	WSCH/FTEF
<b>MATH</b>	33.5		24.0	57.5	25664	446.33
<b>Enrollment/Sections</b>				Fall 2002	Fall 2005	Fall 2008 (projected)
CCSN Headcount Enrollment				35,471	35,762	38,694
CCSN FTE Enrollment				16,454	18,105	19,921
CCSN WSCH				252,286	262,405	264,268
Program WSCH				22180	25664	25679.2
WSCH Percentages (Lecture/Lab/Distance Ed)						
Number of Sections (Lecture/Lab)				266/0	303	303
Average Number of Students per Section (Lecture/Lab)				27	27	27

**Division:** Science and Mathematics  
**Department Chair:** James Culliver

### Program Description

The Mathematics department provides general education courses. Approximately half of the students enrolled in mathematics courses are in developmental classes, and less than one-third are transfer-oriented. A growing number of students are majoring in math.

The future of the program will probably see a shift even more toward basic skills classes. The number of courses offered through mediated learning will most likely increase and a full evening program is needed. The department may offer more classes related to teacher training. Table xx shows the instructional load for the department using Full-time Equivalent Faculty (FTEF) and Weekly Student Contact Hours (WSCH) figures from Fall 2002. The first six rows of Table xx contain linear projections of program changes for 2004 and 2009, assuming overall WSCH growth of xx percent in Fall 2005 and xx percent in Fall 2008 based on actual Fall 2002 figures. With accommodation of an expanded developmental math role beginning in 2006, the department will experience more growth than the College projects.

### Program Needs

**Personnel** - The math tutorial now offered through Academic Support will need to grow and the department will need clerical support as well. It appears that at least five new faculty members will be needed in 2006, and at least one each year there after, as the college grows.

**Technology** - There is a growing need for "smart" classrooms for all classes, and for more classrooms to be equipped for mediated instruction. More math related software and equipment is needed for tutoring.

**Facilities** - With the department offering 300+ sections of classes, more classrooms will be needed as growth continues. Mediated math classrooms will be needed in the near future.

\*WSCH= *Weekly Student Credit/Contact Hours*

## **APPENDIX B ASSOCIATE PROGRAMS**

CCSN is currently considering degree programs, including but not limited to, the following fields of study:

Ornamental Horticulture (AS)

### **APPLIED SCIENCE AND TECHNOLOGY PROGRAMS**

CCSN is currently considering degree or certificate programs, including but not limited to, the following fields of study:

Building Technologies (AAS/CERT)  
Electrical Maintenance (CERT)  
Mechanical Maintenance (CERT)  
Mechanical Technician (CERT)  
Power Utilities (CERT)  
Aviation Dispatch Technology (CERT)  
Avionics (AAS/CERT)  
CADD (Architectural Emphasis) (AAS)  
CADD (Civil Emphasis) (AAS)  
Industrial Energy Efficiency (AAS)  
Information Technology (AAS/CERT)  
Environmental Horticulture (AAS/CERT)  
Golf Course Superintendent (AAS/CERT)  
Horticulture Business Management (AAS/CERT)  
Dental Lab Technician (AAS)  
Dialysis Technician (CERT)  
Dietetic Technician (AAS & CERT)  
Electroneurodiagnostic Technician (AAS/CERT)  
Health Services Coordinator (CERT)  
Medical Assistant (AAS)  
Medical Laboratory Assistant (CERT)  
Surgical Technology (AAS)  
Radiologic Technology (AAS)  
Cosmetology (AAS)  
Medical Interpreter (CERT)

Medical Staff Credentialing (CERT)  
Laboratory Assistant (CERT)  
Ophthalmic Medical Technician (AAS)  
Recreational Therapist Assistant (AAS)  
Alternative Fuel Technology (AAS/CERT)  
Craft Maintenance (CERT)  
Maintenance Multi-craft (AAS)  
OBD Emission Technology (AAS/CERT)  
Parts and Counterman Training (Automotive) (AAS/CERT)  
RV Service (AAS/CERT)  
Small Engine Repair (AAS/CERT)  
Boiler Service (CERT)  
Creative Writing (CERT)  
Motorcycle/Marine & Small Engine Repair (AAS/CERT)  
Parts and Service Management Training (Automotive) (AAS/CERT)