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Groundbreaking for Columbus residence hall, page 2.

THE CHRONICLE

2009 GREAT COLLEGES TO WORK FOR®

National newspaper names CCC a great college to work for, page 3.



McPhillips receives alumni award from state association, page 4.



Grand Island Industrial Academy ribbon-cutting, page 5.

## Program displays new equipment

### 15 CNC machines added to plastics and design center

More than 270 people visited one of the nation's best-equipped machine tool technology education programs on Oct. 29 when the Hastings Campus sponsored an open house for its Midwest Center for Plastics and Design.

A big draw for representatives of some 50 businesses and industries who attended the open house was 15 new CNC machine tools recently added to the campus machine tool technology program, including mills, lathes, a surface grinder, vertical machining centers and sinker and wire electrical discharge machines, as well as CNC classroom simulators.

Alan Hartley, CCC dean for trade and industry programs, said it is unusual for a community college to have that much CNC equipment.

"I've visited a lot of machine tool programs during my 10 years as dean and I've never seen one as well-equipped as this one. I'm sure there's nothing like it in the Midwest," Hartley said. "Not only do we have a lot of equipment but it is brand new, state-of-the-art. The faculty did an outstanding job of selecting the equipment needed to meet local industry needs."

The new equipment was provided through a \$2.1 million Community-Based Job Training grant from the U.S. Department of Labor awarded to the college to develop a program in design technology and to establish the Midwest Center for Plastics and Design.

See 'Machine tool' on page 2.



Machine tool technology instructor Bruce Bartos demonstrates a Haas VF-2 vertical machining center during the open house Oct. 29 for the Midwest Central for Plastics and Design on the Hasting Campus. The addition of 15 CNC machine tools costing a total of about \$525,000 makes the center one of the best-equipped machine tool technology education programs in the country, according to Alan Hartley, dean for trade and industry programs. Funds for the equipment came from a U.S. Labor Department grant.

## Naming rights available to donors

# Center to expand Columbus Campus housing

More students will be living on the Columbus Campus next fall, thanks to an 18-room residence hall currently under construction.

Campus President Dr. Matt Gotschall said the new residence center will help meet a growing demand for on-campus housing.

In recent years the campus has resorted to arranging for some students to live with local families because of limited housing opportunities on the campus and a shortage of rental housing in the community. The new residence center will house 36 students with two students per room or 54 with three to a room. The campus currently has one residence center that houses 106 students.

In addition to student rooms, facilities will include a computer lab, a commons area, a kitchen, a study room and a laundry.

Groundbreaking ceremonies were conducted Oct. 15 for the 11,360-square-foot building. Construction cost for the building is \$1,877,900. Total cost when furniture, equipment and architectural and other professional services are included is estimated at \$2.3 million.

Benefactors have several options to contribute to the project and claim naming rights for the building or its facilities. Contribution levels include \$600,000 for naming rights to the entire hall and \$20,000 for naming rights for individual student rooms. Other opportunities are available.

For more information about the residence hall and naming rights, go to [www.cccneb.edu/ResidenceHall](http://www.cccneb.edu/ResidenceHall).



This artist's rendering shows the design of the new residence center under construction at the Columbus Campus. In the inset photo, Campus President Dr. Matt Gotschall points out details of the design during groundbreaking ceremonies for the building on Oct. 15. The center is scheduled for completion June 15. For more information, go to [www.cccneb.edu/ResidenceHall](http://www.cccneb.edu/ResidenceHall).

## Machine tool program additions make it one of best equipped in nation

### Continued from page 1

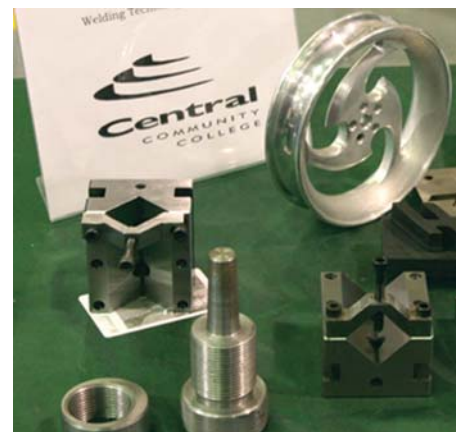
The new design technology program will combine elements from CCC's existing drafting and machine tool technology programs to give program graduates an in-depth understanding of product design.

Project director Becky Utter said faculty currently are rewriting some drafting and machine tool courses and developing new courses for the design technology program, which should be available beginning with the fall 2010 semester, pending approval by the Nebraska Coordinating Commission for Postsecondary Education. Students can get started in design technology through curriculum options offered in CCC's drafting and machine tool programs.

The Community-Based Job Training grant also is providing funds to develop an emphasis in plastic injection molding, a commonly used manufacturing process, from the initial design phase through plastic mold-making and production of the finished product.

Hartley said the goal of the project is to educate people for future high tech jobs in industry that he views as critical to the economy of central Nebraska.

"Because of this equipment and the new program we are developing, we will be able produce the kind of workforce central Nebraska needs to stay competitive," Hartley said.



Metal components produced on new CNC machine tools were on display at the open house for the Midwest Center for Plastics and Design Oct. 29 on the Hastings Campus.



## 'Attitude Master' is keynoter for foundation, in-service

Attitude master Sam Glenn created this chalk drawing to illustrate his points about the power of a positive attitude during his keynote presentation Oct. 19 at the 19th annual Central Community College Foundation Appreciation Dinner in Columbus. Glenn used humor to share his insights about giving himself a "kick in the attitude" after a business failure. In addition to his career as a speaker, Glenn has written 17 books and founded Attitude Digest Magazine. He gave an encore performance Oct. 20 at the in-service for all CCC employees. More photos from the foundation appreciation dinner can be viewed on CCC's Facebook fan page.

## Selected by Chronicle of Higher Education

# CCC a great place to work

Central Community College is one of 28 community colleges nationwide recognized by The Chronicle of Higher Education's 2009 Great Colleges to Work For program.

CCC was cited for two employee benefits: its 403(b) plan and its tuition reimbursement plan, which waives tuition for employees and their dependents who take classes from the college. Employees pay student fees for classes.

The Chronicle of Higher Education is a national newspaper for colleges and universities. The Great Colleges to Work For program recognizes small groups of colleges (based on enrollment size) for specific best practices and policies, such as compensation and benefits, faculty-ad-

ministration relations, and confidence in senior leadership.

Survey results are based on responses from nearly 41,000 administrators, faculty members and staff members at those institutions. The primary factor in deciding whether an institution received recognition was the employee feedback collected from the faculty and staff.

Among two-year institutions, 28 were recognized in at least one category. Among four-year colleges, 122 institutions were recognized in at least one category.

More than 300 four- and two-year colleges signed up for this year's program and 247 went through the entire survey process this spring, nearly triple last year's number of participants.

THE CHRONICLE

2009 GREAT COLLEGES TO WORK FOR®

## For more information

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## Nebraska Community College Association honors graduate

Bonnie McPhillips of Columbus received a Distinguished Alumni Award Nov. 3 from the Nebraska Community College Association at its annual conference in Lincoln.

McPhillips graduated from the Columbus Campus in 1980 with an academic transfer degree. She graduated from Wayne State College with a bachelor's degree in counseling in 1982.

She has been employed by Nebraska Workforce Development since 1982, holding several positions including employment interviewer, employment counselor and employment services manager. For the last five years, she has been re-

gional manager for northeast Nebraska which includes the cities of Columbus, Fremont and Norfolk.

McPhillips is a member of the Columbus Economic Council; Columbus Area Chamber of Commerce Board, including leading the Workforce Development Task Force; Habitat for Humanity Advisory Committee; Statewide FutureForce Nebraska Committee; Central Community College Business Cluster Advisory Committee; and Columbus Community Hospital Board.

For more information, go to [www.ccneb.edu/McPhillips](http://www.ccneb.edu/McPhillips).



Bonnie McPhillips of Columbus with her Distinguished Alumni Award.

## Students to get high-fidelity mannequins

High-fidelity mannequins will help CCC nursing students prepare for any patient care or emergency situation — even ones they might not encounter during student clinical rotations.

The mannequins are being purchased through a grant from the U.S. Department of Health and Human Services' Health Resources and Services Administration. The project is recommended for a three-year grant totaling \$757,844.

First-year funding of \$228,988 is being used to purchase an adult male mannequin and a pediatric mannequin. They will join "Noelle," an adult female mannequin, and "Baby Hal," a maternal birth infant mannequin.

The mannequins can be programmed to simulate various health care scenarios that student nurses might not encounter during clinical rotations.

The grant also will pay for a full-time nursing simulation instructor

position at CCC and a half-time simulation trainer at St. Francis Medical Center in Grand Island to support the development of scenarios for students and nurses for the development of critical thinking skills.

The mannequins currently are housed at St. Francis and will be moved to the simulation laboratory that will be part of a 44,000-square-foot Health-Science Education Center under construction at the Grand Island Campus. The project is scheduled for completion in July 2010. The simulation laboratory will be used by CCC students and will be available to the area health care community.

Breathing, heart rate, blood pressure and other vital signs can be programmed into the mannequins through a laptop computer to simulate various types of medical emergencies. Scenarios are videotaped so instructors can critique student performance and students can see how they handled a situation.

Dr. Deb Brennan, CCC executive vice president, said the goal of the project is to improve identified skill sets and critical thinking skills for students and nurses. She said the college is working with St. Francis Medical Center to identify both high-risk, high-volume and high-risk, low-volume cases that nurses are likely to encounter in central Nebraska hospitals.



Nursing instructor Pam Bales demonstrates high-fidelity mannequins to CCC nursing students. The mannequins can be used to simulate scenarios that student nurses might not encounter during clinical rotations.

# Enrollment increase hits the double digits

Central Community College had a record enrollment in 2008-09 and could be set for a repeat if fall enrollment figures are any indication.

Enrollment reported at the end of 2008-09 was 25,961, amounting to 3,949 FTE – both at record levels for the college. FTE or full-time equivalent equals 30 semester-hours of credit and is a production measurement commonly used in higher education.

Enrollment was up by 10.11 percent at the beginning for the 2010 fall semester. Enrollment in college credit courses at CCC's three campuses and the practical nursing program at the Kearney Center was up 12.73 percent over the beginning of the 2009 fall semester, including a 14.32 percent increase in full-time students. FTE was up by nearly 13 percent.

"We're extremely pleased to see this growth," College President Dr. Greg

Smith said. "Although strong enrollments in the fall are no guarantee that we will have another record year, they certainly indicate that we are off to a great start."

Dr. Deb Brennan, CCC executive vice president, said that while the downturn in the economy undoubtedly plays a role in the increased enrollment as people upgrade their job skills or prepare for new careers, she believes much of the growth is because of more students deciding to attend CCC for their first two years of college.

Students in CCC's academic transfer program attend for two years and receive an associate of arts or associate of science degree before transferring to a four-year college or university to complete their bachelor's degree. Brennan said 1,061 students currently are enrolled in the academic transfer program.

In addition, Brennan said, more people are realizing that they can start a good career after earning an associate of applied science degree in one of CCC's 34 career and technical programs.

"We prepare graduates to enter good-paying jobs in some of today's fastest-growing career fields after two years of college," Brennan said.

She believes many students and parents are more aware of the quality of CCC's programs and advantages including small class sizes and one-on-one help from faculty. They also realize that CCC is a great value. Tuition and fees cost \$77 a credit this year and many students live at home and commute to college.

"As families become more concerned about jobs and finances, many are realizing that Central Community College is a great place to start college," Brennan said.



## Grand Island Campus shows off Industrial Academy

The Grand Island Campus got to show off its new Industrial Academy during a ribbon-cutting on Sept. 15.

The program provides education in machine tool technology, welding and related topics for students from Grand Island Senior High School who are interested in preparing for careers in manufacturing. For a complete story about the academy, go to [www.cccneb.edu/IndustryAcademy](http://www.cccneb.edu/IndustryAcademy).

### Photos

**Top left and center:** Industrial Academy students learn a variety of skills that prepare them for manufacturing careers including welding and machining.

**Bottom left:** Bob Niemann, associate dean of instruction for trade and industry, prepares to cut the ribbon for the Grand Island Campus Industrial Academy. Also shown are (left to right) Tracy Watts, campus instructional technology director; Dr. Greg Smith, college president; Wayne Sasges, CCC board chairman; Dr. Steve Joel, superintendent of Grand Island Schools; Dr. Kent Mann, Grand Island Senior High School principal; and Dr. Lynn Black, Grand Island Campus president.

**Right:** Dr. Eric Jones, dean of educational services at the Grand Island Campus, takes State Senator Kate Sullivan of Cedar Rapids, representing legislative District 41, on a tour of the Industrial Academy.

## Grants focus on dental education, Native Americans, collaborations

Central Community College has received several grants.

### Dental Hygienists' Association

Students in the dental hygiene program at the Hastings Campus are able to bring educational and preventive programs to preschool children, thanks to a grant from the American Dental Hygienists' Association (ADHA) through the National Children's Oral Health Foundation.

"We've already been seeing school-age children through our Sonrisa Project," said Wanda Cloet, director of the dental hygiene program. "We will now be able to reach younger children so we can teach them about preventive care."

The grant also allowed the dental hygiene program to hire a part-time faculty member, Deb Schardt, who will supervise the students when they visit preschools. Their first visit was to Hastings Head Start on Sept. 8.

### Endowment for the Humanities

Central Community College has been awarded a \$138,641 grant from the National Endowment for the Humanities to develop two one-week workshops titled "Legacies and Landmarks of the High Plains Native Americans" that will be open to 50 community college faculty members.

Dr. Dianna Parmley, campus dean of educational services, said the workshops will be a scholarly study of High Plains Native American history and culture from the 18th century to modern times. The Columbus Campus will be home base for the two workshops, scheduled for June 20-25 and June 27-July 2, 2010, but the workshops will include visits to several sites including the former Genoa Indian Industrial School, now the Genoa U.S. Indian School Museum and the site of a large fortified village of the Kitkehaki Pawnee near Republic, Kan.

### National Science Foundation

Central Community College has received a \$870,156 grant from the National Science Foundation (NSF).

CCC's partners for the three-year Project SHINE (Shaping High-quality Integrated Nebraska Education) grant include several state agencies, the University of Nebraska; Columbus Public Schools; and several Nebraska businesses.

The project will bring high school and CCC instructors together to focus on applied science and mathematics skills, problem-based learning and student recruitment.

Middle and high schools students will have an opportunity to learn about technical career opportunities and the importance of math and science classes through camps that will be sponsored as part of the project.

## 'The Mousetrap' on Columbus Campus stage



Agatha Christie's mystery, "The Mousetrap," was the fall production for the Columbus Campus theater department. In the play, a murderer lurks among the guests at a country house run by Giles and Mollie Ralston, a young couple new to the guest house business. Tensions rise when a huge blizzard leaves them snowed in with their five other guests, and a police sergeant arrives to tell them that a murderer lurks among them. Who is the murderer, and who will survive? The action unfolds in these photos from the production. For more photos, go to the CCC Facebook fan page.



## Wind turbine added to Hastings Campus skyline

The newest structure at the Hastings Campus doesn't have any classrooms but it will help students learn about alternate energy.

A 1.7 kilowatt wind turbine that went up on the campus in August will support new curriculum the college is developing in alternate energy sources. Alan Hartley, CCC dean for trade and industry programs, said the college also plans to add a 1.5 kilowatt solar-electric installation and a geothermal heat pump.

"These demonstration projects are the size that could be put on homes, used on farms and provide more efficient heating and air conditioning," Hartley said.

CCC is developing an alternate energy certificate that will include a general alternate energy course and courses in wind, solar and geothermal energy. Students in CCC's electrical, electronics, industrial technology and heating and air conditioning programs can earn the certificate.

The courses will be offered at CCC's campuses at Columbus and Grand Island in addition to the Hastings Campus and will be available online, Hartley said. Students at all locations will have access to data from the Hastings Campus alternate energy installations.

"Data acquisition will be available on the Web so all students will be able to look at data logs, check efficiency data and compare solar to wind generation on any given day," Hartley said. Local high schools also will be able to use the data in physics, science and math classes.

Hartley said that although the CCC alternate energy equipment is sized for residential applications, the students completing the certificate will have job skills that apply to large-scale commercial operations.

The new certificate should be available in fall 2010, Hartley said.



This 1.7 kilowatt wind turbine on the Hastings Campus will help students learn about alternate energy sources.

## College is expanding services in Ord

Central Community College is expanding its educational services in the Ord.

In partnership with the Greater Loup Valley Activities Inc. (GLVA) and Valley County Economic Development (VICED), CCC is remodeling a building in Ord to provide additional classroom space and an expanded learning center.

Karin Rieger, associate dean of Extended Learning Services, said the building should be in full operation for the 2010 fall semester.



Remodeling is underway in this Ord building to provide space for expanded services to the community and the surrounding area. The facility is expected to be fully operational for the 2010 fall semester.

"We've had a strong presence in Ord for a long time, thanks to such partners as the Ord Township Library and Valley County Hospital," Rieger said.

She said the partnership and new facilities give the college new opportunities to meet the diverse educational needs of people living in the Ord area by providing career and technical training, academic and career planning services, professional and continuing education classes, and easier access to higher education.

"We're looking forward to taking our services to a whole new level while still being able to offer quality education at an affordable price," Rieger said.

Along with expanded educational opportunities, more extensive partnerships with economic development will be implemented over the next year. A federal grant was submitted for the creation of a rural entrepreneurship academy, that if awarded, would be developed in 2010.

"This announcement is a tremendous economic development opportunity for Valley County and central Nebraska. Education and advanced economic opportunities go hand in hand, and we're thrilled to be working in partnership with CCC," said VICED Executive Director Caleb Pollard. "GLVA was instrumental in this effort and without their involvement this project would have never moved forward in 2009. Without GLVA, there would be no expanded learning center in Ord."

Lu Lansman, business development and education coordinator, will play a key role in the expansion of services in the area. She is a former Ord High School guidance counselor.

# Columbus Campus unveils new Raider

The Columbus Campus unveiled a new look for its Raider logo Nov. 17 during a basketball game against Iowa Western Community College.

Athletic Director Jack Gutierrez said this is the first major makeover for the CCC Raider since the early 1980s.

“When I started at the college in 1980, the Raider was a Viking figure. We really didn’t have any image or identification with him and decided to change to a Civil War Raider, a cowboy figure,” Gutierrez said. “A student designed it and we’ve touched it up five or six times. This year we decided it was time for a new look.”

The new Raider was designed by Beam Team Design of Arlington, Texas, a firm that specializes in sports logos and offers special rates for colleges like CCC that are members for the National Junior College Athletic Association.

“We decided to do what a lot of schools are doing and go with a retro look, with just the head and shoulders of the Raider instead of a full-length figure,” Gutierrez said.

The new logo retains the cowboy theme, depicted as confident, aggressive, strong and bold-looking, with the words “Central Raiders.”

“We think the new Raider represents what our athletic programs are all about, and when people see it they will identify it

with us right away,” Gutierrez said.

The new Raider will be used for all intercollegiate sports at the Columbus Campus: basketball, golf, softball and volleyball.

