

CCC breaks the manufacturing mold

Classes are well under way in Clackamas Community College's new Industrial Technology Center, the second of four major bond projects, which opened in September.

With this new facility, the college is challenging people to rethink the fields of manufacturing and machining. Once thought of as hard-labor jobs in dirty workshops, the college is flipping the ideology of the industry with this state-of-the-art facility.

The 44,424-square-foot building is the home of the college's manufacturing, computer numerical control (CNC) machining and renewable energy programs, along with other in-demand career technical education programs. The ITC will increase access to affordable education programs, allowing students training for family-wage jobs or transfer to four-year universities.



The facility features expansive manual and CNC lab space, a maker space/flex lab, partner space, state-of-the-art machine tool technology, a large renewable energy outdoor field lab and indoor/outdoor event space.

"This is not your grandfather's workshop," Cynthia Risan, dean of technology, applied science and public services, said. "Our students learn from industry-knowledgeable instructors on modern equipment in a state-of-the-art facility."

Students who complete a certificate or degree in manufacturing have a quick path to middle-income jobs. According to WorkSource, the average manufacturing wage is \$44,650 a year. The field currently has 94,110 jobs with the prediction of another 26,315 new jobs by 2025.

"The demand for employees in machining, welding and renewable energy is extremely high right now," Mike Mattson, chair of the

college's manufacturing technology department, said. "Employers are at our door seeking qualified employees. Our employment rates are essentially 100 percent."

To celebrate the completion of the ITC, the college hosted activities all day on National Manufacturing Day on Oct. 5. In the morning, high school students from neighboring school districts toured the facility, watched demonstrations and learned about career possibilities. In the afternoon, the college hosted a vendor fair and completed the day with a grand opening event.

The \$28-million project was funded through a bond as well as an \$8-million match from the state of Oregon. Voters approved a \$90-million bond measure in November 2014 to expand opportunities for students and to increase the skilled workforce in the community.



Science expansion

Work continues on the expansion of DeJardin Hall on the Oregon City campus. This building, which broke ground last spring, will house the college's science programs.

As of April, the structure of the building is complete with windows and sheetrock finished and most of the mechanical work done. Landscaping, trim, cabinets, display cases, flooring and restrooms will be completed soon.

The building will feature a lot of science on display. A replica of a baby

beluga whale will be suspended from the ceiling of the large open lobby and business partner Miles Fiberglass is making a large penicillin molecule to hang in the entry. One exterior wall of the building features brickwork that mimics Cougar (CCC's mascot) DNA.

The expansion will be completed by late spring/early summer and the college will move in over the summer with classes beginning in the fall. A grand opening celebration is being planned for late September/early October. We hope you can join us!



Economical choices have an ecological impact

By reusing the asphalt grindings from the demolished parking lot in the new design, 4,000 tons of asphalt avoided going to the dump. This reuse avoided 5.4 metric tons of CO₂ emissions.

- The project salvaged 32 boulders found below ground and worked them into the landscape design.
- 84 of the removed trees were salvaged for local stream habitat building, allowing for happy fish and critters.
- Choosing a local brick manufacturer saved 2.9 metric tons of CO₂ in travel distance alone.

These changes of avoiding 8.3 metric tons of CO₂ is the equivalency of 20,343 miles driven by an average passenger vehicle.

Find your way at the Harmony Community Campus



New wayfinding was the final part of the construction of Harmony West on the Harmony Community Campus in Milwaukie, which opened in January 2018

The college worked with the North Clackamas Parks and Recreation District, who shares the campus with the college, to develop signage for patrons of both facilities. The signage package addresses both vehicular and pedestrian needs for navigating the campus.

Components of the new wayfinding include a monument sign on Harmony Road, which includes a digital reader board; parking lot identification; and kiosks that show building information such as rooms and services.

Students and community members are now able to easily navigate the Harmony Community Campus and find the resources and amenities they need. A new wayfinding system is currently in the works for the Oregon City campus, which will have a similar look and feel as the Harmony Community Campus.



One place for all students

Planning and design is progressing for the college's new student services center on the Clackamas Community College Oregon City campus. The building will be connected to the current community center, creating a large hub for students to receive the resources they need to be successful at CCC. Creating an easy-to-use one-stop center for student services will improve student retention and completion.

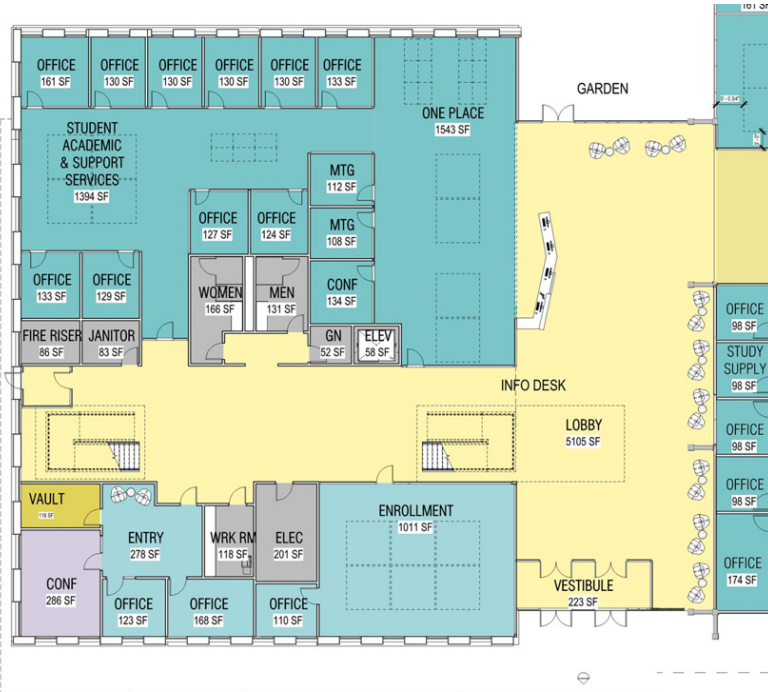
Opsis Architecture is providing the design services for the new building along with a refresh of the community center. The design team has been working with college staff on programming since November 2018. As of March, six workshops have been held with key stakeholders to identify program adjacencies.

Currently, the college is considering placing enrollment and student academic and support services on the first floor of the new student services center with education partnerships, the testing center, counseling and

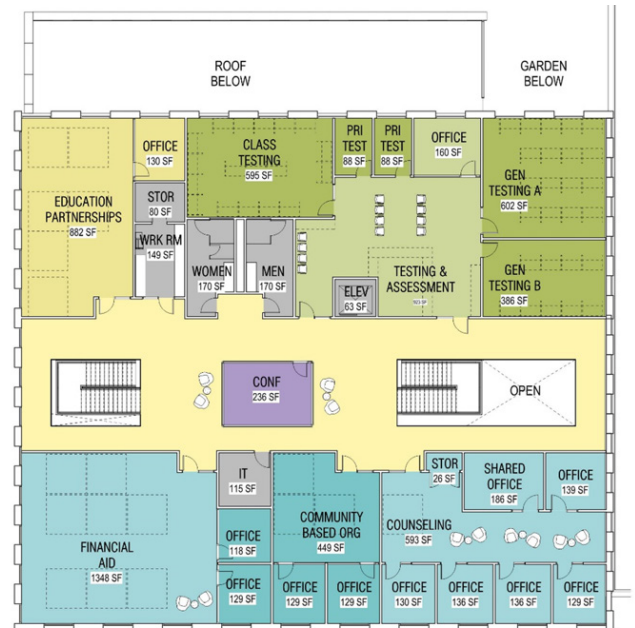


financial aid on the second floor. Resources such as the veterans and disability resource centers, associated student government, the food pantry and the cafeteria will be in the community center.

The college will break ground on the new student services center in spring 2020 with project completion in the summer of 2021.



First floor



Second floor