



The Oregon Community College Association (OCCA) strongly supports HB 4028 which would authorize lottery bonds to be issued for community college capital construction. Community colleges would use those funds for construction; remodeling; and, major equipment acquisitions that sustain much-needed science, technology, engineering and mathematics (STEM) programs. These STEM programs train Oregon's workers for jobs that will secure their future - and the future of Oregon's economy.

Programs that train and connect skilled workers directly to local businesses are critical. Oregon's 17 community colleges are at the forefront when it comes to meeting workforce needs. Career and technical education (CTE) programs and the facilities that house them must be expanded and upgraded to meet technological changes as well as the demand for a workforce that is well-trained.

OCCA recognizes that the funds for these capital construction projects represent a significant commitment by the Legislature in a tenuous economic climate. And Oregon's community colleges are poised and ready to continue to do what they do best – provide skilled workers for current and future jobs.

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Blue Mountain Community College

Veterinary Assistant Certificate Program

Existing and Expanded Program

Funding Requested: \$465,037

The project will provide for the addition of a veterinary examination room to an existing animal science building and the construction of an adjacent building with a new general-purpose classroom and an animal science wet laboratory. Equipment costs for the new facilities are included in the funding request. With the additional space, the college will be able to expand the animal science program by offering a new Veterinary Assistant certificate program with an emphasis in working with large animals. Veterinarian technicians are necessary to provide medical care for larger animals such as horses, cows, sheep and goats. This program is critical in northeastern Oregon where there are numerous large ranches.

Labor Market Data

The Oregon Labor Market Information System (OLMIS) projects that in Oregon, the need for veterinary assistants will increase by 24.2% from 2008 to 2018, ranging from 31.6% in Umatilla/Morrow counties to 13.6% in Grant/Harney/Malheur counties. The average 2011 wage for veterinary assistants in Oregon is \$23,717.



Central Oregon Community College

Math and Science Laboratories, Redmond Campus

New, Expanded and Existing Programs

Funding Requested: \$500,000

Funds for this project will allow the college to renovate existing space in Building 1 on the Redmond Campus and build an addition to house a new chemistry laboratory and a remodeled biology/anatomy and physiology laboratory, which are necessary for prep courses for health occupation programs. The space will also be remodeled to contain a S.M.A.R.T (Students Mastering Algebra through Revolutionary Techniques) computer laboratory. Currently, there are no laboratory science facilities on this campus and the classes to be available in the proposed labs are a requirement for all CTE programs. Additionally, there are long waitlists for math and science courses, which negatively impacts the “time to degree” completion for Central Oregon students. New and upgraded labs will enable the college to increase the number of graduates in Healthcare, Computer Occupations, Food Prep, Management and Business, and Vehicle Mechanics programs.

Labor Market Data

OLMIS reports that in the next 10 years there will be an increase in healthcare occupations of 23% and computer operations of 10%.



Chemeketa Community College

CTE/STEM Facilities Improvement Project

Expanded Program

Funding Requested: \$1,000,000

The project will include renovation, modernization, and instructional equipment upgrades to four CTE programs at the Salem campus. It will enable Chemeketa Community College to purchase new machining equipment and improve the program’s laboratory for the Machining Program certificate; double the instructional stations in the Computer Numerical Control Machining certificate, and renovate and modernize the facilities for Visual Communications and Drafting and Civil Technologies programs; and renovate and modernize the facilities for the Engineering Transfer programs. With these improvements, the college will be able to replace outdated equipment, improve student work areas, and increase the number of students enrolled in the programs.

Labor Market Data

OLMIS projects growth in the following CTE programs: Visual communications, drafting and civil technology, engineering transfer, and machining. In machining, opportunities are expected to be somewhat greater than the regional average due to the need to fill replacement positions. In addition the number of management and supervisory positions in machining is expected to be greater than average.



Clackamas Community College

Industrial Technology and Science Workforce Advancement

Existing and Expanded Program

Funding Requested: \$800,000

The funds would be used for extensive facility improvement and equipment upgrades/purchases in high wage/strong demand CTE programs. Facility upgrades would include renovation and repair to two automotive laboratories, extensive remodeling of an existing facility to house the Renewable Energy program (currently housed in a trailer), and renovation of existing nursing and dental labs to be used by local hospitals in the event of an emergency and for general community dental/medical clinic use when requested. Equipment would be purchased for programs in Automotive Technology, Welding, Renewable Energy, and Health Sciences such as Nursing and Emergency Medical Technicians. Facility improvements are required to support the advanced technology equipment necessary to prepare students for entry or re-entry into employment in family-wage jobs.

Labor Market Data

OLMIS ranks programs in industrial technology and the health sciences area in the top 10 high-demand occupations for Clackamas County and the state. These high-wage and high-demand programs have an average annual employment growth projection of at least 3% and up to 25%. The average wage per hour is greater than \$19.00.



Clatsop Community College

Welding and Fabrication Program

Expanded Program

Funding Requested: \$281,785

Equipment purchases and facility upgrades are necessary to expand the current American Welding Society certificate program into an Associate of Arts two-year degree in Fabrication. The program would include a pipe welding component and would expand into boat construction with connections to the Maritime and CAD/Historic Preservation programs.

Labor Market Data

Region 1 OLMIS data reports a 10.4% increase in the regional employment projections from 2008-2018 with a median hourly wage of \$17.32 per hour in the welding/fabrication field.



Columbia Gorge Community College

CGCC Rural Clinical Simulation Center Essential Capital Equipment Renovations

Existing Program

Funding Requested: \$297,193

The project will enable Columbia Gorge Community College to provide much needed new equipment for the Rural Clinical Simulation Center used to train students in the Health Occupations programs, specifically in the Registered Nurse program. The current equipment is outdated and replacement parts are no longer available. With upgraded equipment, the simulation experience will be enhanced to closely mirror health care scenarios in the nursing field. The simulation center is critical to provide students with realistic experiences which are difficult to obtain in rural settings because of limited clinical opportunities.

Labor Market Data

The U.S. Bureau of Labor Statistics projects the number of nursing jobs will increase by over half a million by 2019. OLMIS projects an increase in employment for RNs of 25.4% over the next 10 years. Locally, 164 Associate of Arts in nursing graduates have been employed at 95.7% over 9 years.



Klamath Community College

Culinary Arts, AAS; Foodservice Systems; Administration/Management

New Program

Funding Requested: \$300,000

The funding would enable Klamath Community College to provide a 2,000 square foot addition to Building One on the Klamath Falls campus, allowing the college to add a new CTE program in the culinary arts/food service area. The program would provide a number of distinct culinary arts focuses in a certificate program, an Associate of Arts degree program, or enrollment through articulation agreements with the K-12 district. The additional space will house two kitchens, a small dining area and room for equipment such as refrigerators, freezers, and storage.

Labor Market Data

OLMIS identifies 18% of the occupations in high demand in Klamath and Lake Counties in the culinary and food service area.



Lane Community College

Science, Technology, Engineering and Math Classrooms/Labs

Expanded Program

Funding Requested: \$1,000,000

The project will enable Lane Community College to add four classrooms/laboratories to Building 18 on the main campus for STEM related classes required for students enrolling in health, advanced technology and pre-engineering programs. Expanded enrollment in these programs will reduce the waiting time students currently endure to enroll in high-demand feeder courses. The classrooms and laboratories will also provide capacity for the current CTE programs in Building 11, which houses drafting and design programs.

Labor Market Data

Health occupations, manufacturing, and technology are key targets for Lane County economic development. The OLMIS high-wage, high-demand, top-20 list includes 14 health care occupations, four industrial/trades occupations and others that are supervisory related.



Linn Benton Community College

Advanced Transportation Technology Center

Existing Program

Funding Requested: \$800,000

The project is designed to accommodate new training work stations for alternative energy vehicles: electronic, natural gas, hybrids and bio-diesel. Technology in new vehicles (both cars and trucks) is changing rapidly and graduates should be able to master many of the complex electrical/computing systems found in today's vehicles. It would also significantly expand facilities housing the existing Automotive Technology and Diesel Technology programs at Linn Benton Community College. This would enable the college to add needed laboratory space and to replace badly outdated equipment such as diagnostic machines.

Labor Market Data

OLMIS projects an increase of 7.2% in the number of positions available for vehicle and mobile equipment mechanics. In addition, the local advisory board has indicated that the number one demand will be for graduates who are able to master the complicated computer/electronic systems of today's vehicles and understand how to repair alternative energy vehicles.



Mt. Hood Community College

Lab/Classroom Additions and Upgrades

Existing and Expanded Programs

Funding Requested: \$800,000

Mt. Hood Community college will expand and upgrade lab space for CTE and STEM programs. Projects include replacing the failing HVAC system in the Fisheries Technology Building, safety and technology upgrades in STEM and CTE labs, and developing new space for Hospitality, Tourism and Cosmetology programs.

Labor Market Data

Mt. Hood Community College offers more than 100 degree programs and 80 certificate programs and the two programs outlined in the request are in the top ten programs for completions or awards granted by the college. The outlook for both occupations in terms of gainful employment is positive. The growth in occupations related to culinary arts, cooking, and restaurant management range from 4% to 4.6% over the next three years. Cosmetology is also an occupation with a positive growth over the next three years projected to be 6.3%.



Oregon Coast Community College

Renovations to Allied Health Training Center/Science Laboratory

New and Expanded Programs

Funding Requested: \$273,235

Oregon Coast Community College will remodel and furnish the Waldport Center to become the Allied Health Training Center. The college would use this facility to house new Medical Assistant, Acute Care Nursing Assistant, and Home Health Aide programs. In addition, Basic Nursing Assistant and Emergency Medical Technician programs would be moved to the facility. The fully equipped classrooms and skills labs would serve over 100 allied health students and 18 CTE students per year. In addition, the college would develop a science instruction lab from an existing classroom to support students who aspire to enter Pre-Allied Health and Aquarium Science.

Labor Market Data

OLMIS has the following projections for the Oregon Coast Community College region: medical assistants - 30.9%; acute care nursing - 27.8%; home health aides - 27.8%; and emergency medical technicians - 21.3%. Placement is very strong for the graduates of the Aquarium Science program, currently at 85%.



Portland Community College

Trades Training Center

Existing Program

Funding Requested: \$1,000,000

The project will enable Portland Community College to remodel a surplus state facility on Swan Island to provide training for facilities maintenance technicians currently located at the Cascade Campus. The new Trades Training Center will be equipped to serve over 625 facilities maintenance students with a classroom, computer lab and four training rooms in addition to training equipment. The renovated center will provide the program with better facilities and equipment and will be more aligned with industry needs than the facility it currently occupies.

Labor Market Data

80% of program graduates achieve full-time employment within one year. The program's advisory board believes the Swan Island location will significantly improve job opportunities.



Rogue Community College

Manufacturing/Fabrication Flex Lab

New Programs

Funding Requested: \$500,000

The funds would be used to construct a Flex Technology Building, incorporating welding, that would enable the college to meet the needs of a consortium of local manufacturing companies. The building is very low cost because of the type of construction, with a combination of a long, divisible, high-bay shop space with adjacent storage, support and classroom spaces. A heavy lift helicopter business and numerous metals fabrication businesses are among the local manufacturing companies who would define the training curriculum to train much-needed workers with combined manufacturing and metals fabrication skills.

Labor Market Data

The Oregon Employment Department projects that metal fabrication jobs will increase modestly. However, Rogue Community College’s local advisory boards indicate there is a significant need for replacements as retirements continue to climb. In addition, Rogue’s current graduates receive between \$16.79 and \$26.21 per hour in starting wage rates.



Southwestern Oregon Community College

Renovate Labs/Classrooms for STEM and CTE Support

Existing Programs

Funding Requested: \$387,200

This funding will enable Southwestern Oregon Community College to address some significant facility and equipment shortcomings in older facilities that house many CTE and STEM programs. For a modest amount, Southwestern Oregon can modernize the Coaledo and Sumner buildings that house programs in Nursing, Allied Health, Emergency Medical Technician, Pharmacy Technician, Phlebotomy Technician, Medical Assistant, and Health Care Career Center Core programs. Outdated equipment will be replaced, including SimMan units and life-sized IPV systems, for use in health occupations classes.

Labor Market Data

OLMIS reports that the need for nursing aides, orderlies, and attendants, licensed practical and licensed vocational nurses, emergency medical technicians and paramedics, certified nurse aide, pharmacy technicians, phlebotomy technician and medical aide and assistant are growing at the state level, and are increasing at a lower rate locally. However, because of the isolated nature of southwestern Oregon, local graduates will be needed to replace existing health care providers.



Tillamook Bay Community College

Ag and Natural Resources Learning Lab

New Programs

Funding Requested: \$300,000

This funding would enable Tillamook Bay Community College to construct an Agricultural and Natural Resources learning laboratory that would be used to develop two new programs: one in agriculture and one in natural resources that would be offered in conjunction with three local high schools and with Oregon State University. These certificate/degree programs would enable students to be employed with major local employers, farms, and in state and county positions in land management.

Labor Market Data

Because of the rural nature of Tillamook County, the college has consulted with its local technical advisory board and they have said that employment opportunities will continue to be broad in nature and limited in openings that range from crest to coast: the Tillamook Forest and BLM management areas to Tillamook Creamery and its 100 farms to the marine fisheries and multiple estuaries of the county.



Treasure Valley Community College

Science and Technology Classrooms and Agriculture Livestock Center Classroom and Lab

New and Expanded Programs

Funding Requested: \$500,000

Treasure Valley Community College is in the initial phases of the Science Center construction project. Completion of the Science Center will prepare the institution for expansion of the Certified Nurse Assistants (CNA) program and new Physical Therapist Assistant and Occupational Therapist Assistant programs. Funding for the Ag Arena will assist in completing the project and will provide teaching space and restrooms to a recently expanded facility. Agriculture is the primary industry in western Treasure Valley, and the funds will help to provide an enclosed teaching space for the transitioning of a Horse Production program to an Equine Science program (transferability options), expansion of the Renewable Energy program, and Viticulture program to reach out to the agriculture community.

Labor Market Data

These programs have been identified as high-demand occupations for local health providers, as well as regionally and nationally. Projected job openings: Allied health medical and clinical lab tech – 18% increase; and certified nursing assistant – 24% increase.



Umpqua Community College

Douglas County CTE/STEM Centers

Expanded Programs

Funding Requested: \$400,000

The project will create two county CTE/STEM centers linked to a third facility on the Umpqua Community College main campus with high-bandwidth technology to implement a "tele-education" strategy: A new South County Tri-City location with manufacturing (CAD/CAM/CNC) and CTE tele-education/incubator facilities and on-site instruction facility; a renovated facility (located in Drain) for CTE/STEM tele-education and on-site instruction facility; and renovated main campus facilities equipped for CTE/STEM tele-education.

Labor Market Data

OLMIS labor market data varies with such a broad spectrum of programs that would benefit from the project. Some of the occupations being targeted include: machinists - \$18.85/hour; welders - \$17.32/hour; and electricians - \$25.78/hour.