

# Public University Collaboration Efforts

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### Statewide Partnerships with K-12

Focused collaboration on college credit in high school occurred amongst Oregon’s public universities and 17 community colleges in 2018-2019 and 2019-2020. The HECC convened an Oversight Committee for High School Based College Credit Partnerships and an Advanced Placement (AP) and International Baccalaureate (IB) Policy Workgroup. Implementing ORS 340.310, OAR 715-017-0005, Senate Bill 207 (2017) and Senate Bill 160 (2019), the groups ensure that college credit earned in high school is transferrable and supports student pathways to post-secondary degrees and certificates.

The mechanism of state approval of high school-based college credit partnership programs promotes transparency, educational equity, and comprehensive advising so that students may access, earn, and transfer credits smoothly. State approval, through peer review, confirms that a college course taught on post-secondary campus and the course taught in a high school are essentially the same, and treated the same when transferred. When another institution does not adhere to the State’s expectations for credit transfer, HECC staff facilitates dialogue between institutions and/or departments to resolve concerns. HECC staff have support at all levels at institutions when they work on resolving concerns. As a result of these conversations, public universities have achieved transfer alignment as expected by the state statutes and standards.

In 2019-2020, the mapping of higher education credit articulated for AP and IB exams was coordinated and published by HECC and advised by the AP/IB Policy Workgroup. This process led to a more transparent and better-aligned articulations list, with the expectation that over time articulations will become increasingly similar among community colleges, comprehensive regional universities and larger research universities. Several important factors contributed to Oregon’s statewide policy re-design, including action by the Oregon Legislature, advancement of Oregon’s Transfer Agreements, and increased focus on transparency

for students around course articulations in K-12 to post-secondary transition. The AP/IB Statewide Course Credit Policy now provides full transparency with course articulations available at community colleges and public universities. In the online table, a student can find out how a particular AP exam subject and score articulates to all 24 public post-secondary institutions in Oregon as well as to which core transfer map 25 content area that articulation applies. The AP/IB Statewide Course Credit Policy serves as a reference point to compare and align course articulations for specific subjects and exams, as well as inclusion in the Core and Major Transfer Maps.

Under [Senate Bill 233](#) (2021), the common course numbering system that is being developed must consist of introductory and other lower division courses with similar learning outcomes that are taught in accelerated college credit programs. Therefore, it is expected that the transfer of those K-12 credits will mirror the transfer of post-secondary credits.

### ***Western Oregon University***

Through Willamette Promise, WOU has provided assessment-based learning college credit opportunities in Oregon since 2014. Looking at three years of data (2016-2017, 2017-2018, 2018-2019) from Salem-Keizer (SKSD), which is WOU's largest partner school district, data trends emerge showing the impact that WOU's assessment-based learning has had on equitable realization of dual credit. Specifically, the following groups in SKSD were more equitably served by WOU's assessment-based learning credits than by traditional dual credit: American Indian/Alaska Native students, Black students, Hispanic/Latino students, multi-racial students, Native Hawaiian/Pacific Islander students, students of color, students who have ever been eligible for the Free and Reduced Price Lunch program, English language learners (when they were in K-8), English language learners (in grades 9-12), students who have ever received an Individualized Education Program (IEP), and male students. WOU, through Willamette Promise, continues to innovate in the interest of serving increasingly diverse Oregon students.

### ***Oregon State University***

OSU works in collaboration with schools, partners, and communities to provide statewide Outdoor School program for all of Oregon's 5th and 6th graders. More specifically, they work with K-12 school systems and education service districts to host Outdoor School which is a week of effective, inquiry-based science education for K-12 students. The program was launched in 1957 and has been a popular and continuing place for students to learn about the natural world through interactive and engaging experiences.

OSU also works with the Oregon Department of Education, Head Start, school districts and teachers to implement SNAP-Ed (Supplemental Nutrition Assistance Program Education). SNAP-Ed is a federal program funded by the USDA. The goal is to improve the likelihood that persons eligible for SNAP will make healthy food choices within a limited budget and choose physically active lifestyles. OSU Extension contracts with Oregon Department of Human Services to bring evidence-based nutrition education to limited-income adults and youth in all Oregon counties, including through in-school programming.

## Economic Impact and Connections to Industry

### ***Eastern Oregon University***

EOU's annual \$45 million budget promotes and supports the regional economy. An essential part of the fabric of northeast Oregon, EOU plays a unique role as an economic engine, driving workforce development and providing resources and expertise not otherwise available. In 2020, EOU partnered with Willowa Resources to create the Rural Engagement and Vitality Center (REV Center). The REV was created to develop and facilitate partnerships between EOU and communities and organizations in eastern Oregon with the principal aim to enhance the vitality of the region and to develop tomorrow's rural workforce and leaders. In its third year, the REV has been instrumental in realizing EOU's strategic goals of experiential learning, transformational education, and career-oriented partnerships for our students. To date, the REV has worked with every college at EOU, engaged 12 different faculty in 11 partner-driven projects (six paid contracts), facilitated 13 paid student internships, and supported two EOU course integrations with community partners. The REV works with over 30 different regional and statewide partner organizations, and is a member of EPIC-N, Oregon's Sustainable City Year Program, and Community Engagement Fellows through Western Washington University.

EOU is also the third-largest employer in Union County. Of the 10,000 jobs in Union County, 439 of those are direct employees of the university. These jobs paid on average \$87,274 in wages and benefits and produced \$58.7 million in economic output. Campus operations also supported important secondary impacts such as 98 local vendors and small business jobs who contract with EOU (indirect) as well as the spending by both direct and indirect employees in the local economy, which supported 633 jobs in the county. In total, EOU supported 1,169 jobs in Union County.

### ***Southern Oregon University***

Based in Ashland with an additional satellite campus in downtown Medford, SOU is an important driver of the regional economy in Southern Oregon. Of the 1,224 jobs in the colleges and universities sector, 63 percent of those are direct SOU operations jobs. During the 2017-2018 academic year, SOU operations supported 775 direct jobs, which includes salaried professors and administrators. These jobs paid on average about \$79,259 in salaries and benefits and produced \$92.7 million in economic output.

SOU is a continuing member of the Medford Chamber of Commerce and the Medford Chamber Forum, Ashland Chamber of Commerce, Grants Pass Chamber of Commerce, Medford and Ashland Rotary Clubs, SOREDI, and the Rogue Workforce Partnership (similar to RAIN).

In November 2018, the presidents of SOU, Oregon Tech, Rogue Community College (RCC) and Klamath Community College (KCC) formed the Southern Oregon Higher Education Consortium (SOHEC), Oregon's first regional coalition of colleges and universities. Partners established the consortium to prompt discussion about what kinds of economic growth are needed in southern Oregon, what industries the institutions should help support or attract, and how higher education can best align to meet those needs. During the past few years SOHEC has created a website, shared housing, explored collaborative academic programming, worked on developing dual admission, improved transfer and developed or implemented additional programs.

### ***Western Oregon University***

WOU makes up a large share of the total college and university jobs in its region. During the 2017-2018 academic year, the university supported 929 direct university jobs, paying on average \$69,362 in wages and benefits and produced \$108 million in economic output. Campus operations also supported important secondary impacts such as 133 local vendors and small business jobs who contract with WOU (indirect) as well as the spending by both direct and indirect employees in the local economy, which supported an additional 724 jobs in the county.

### ***Oregon Institute of Technology***

Oregon Tech's mission has a strong focus on excellence in instruction but also expects applied research and industry engagement. The practical application of theory in real world situations underscores all Oregon Tech academic programs. Many Oregon Tech faculty also have long established ties to various industries and research laboratories. Students experience hands-on learning through labs, projects, internships, externships, and research, guided by faculty and staff who retain their professional connections to applicable industries and disciplines. Oregon Tech programs lead to careers in health professions, renewable energy, environmental science, information technology, engineering, engineering technology, communication, psychology, and management. Due to the degree emphases and educational methodologies, 96 percent of graduates report employment in their degree field or enrollment in graduate programs within six months of graduation (Career Services, 2017-2019). Oregon Tech is known for employing technology directly on campus. Its Klamath Falls campus has two on-site power plants, including a large solar array and geothermal power station that provide both electric power and heat for campus, significantly reducing the university's "carbon footprint."

Oregon Tech supports 487 direct jobs, paying on average \$107,462 in wages and benefits and producing \$82.2 million in economic output. Campus operations also supported important secondary impacts such as 95 local vendors and small business jobs who contract with Oregon Tech (indirect) as well as the spending by both direct and indirect employees in the local economy, which supported 991 induced jobs in the county.

### **Oregon Manufacturing Innovation Center (OMIC R&D)**

OMIC R&D is an ambitious industry-university collaboration aimed at shaping the future of manufacturing in the State of Oregon. This applied research center brings together industry, government and academia as partners. Ten founding institutions—seven industry and three university members—signed a multi-year collaboration agreement in June 2017. Industry partners include Boeing, Daimler, Hangsterfer's, Vigor, ATI, Silver Eagle and Blount. University partners include the Oregon Tech, PSU, and OSU. Each member brings financial investment to the table to support shared research projects.

The wider OMIC community includes a variety of government and private entities as stakeholders and key partners in the initiative including: UO as an education partner, the Oregon Legislature, the Office of the Governor, Oregon Employment Department, Business Oregon, Greater Portland Inc., AFL-CIO, Columbia County, and the City of Scappoose among others. The State of Oregon has made a significant investment in the past legislative session to support the work of OMIC R&D. OMIC has grown to 27 industries and three universities today, with great potential for further growth.

The university partners are working on applied research projects as directed and funded by the member manufacturing companies. In addition, the academic partners are providing learning opportunities and

pathways for students and professionals. Significant machinery has already been donated by new members toward OMIC R&D. All partners benefit from the sharing of equipment, space and inter-institution expertise.

OMIC is a demonstration of Oregon Tech's leadership in applied research that supports its teaching mission. Oregon Tech had the flexibility and drive to work through complex logistical obstacles and relationships to collaborate with industry, government and academic partners to bring OMIC to fruition. Oregon Tech has taken on a significant role as the host institution in support of the operation of OMIC R&D, as well as the co-owner of the Scappoose industrial site that will house the R&D activity.

#### Oregon Renewable Energy Center (OREC)

The OREC mission is to enhance development and promote availability of renewable energy through energy systems engineering, applied research, technical assistance and information dissemination, academic degree programs and industrial training and development. The vision is to grow the OREC into a vibrant, globally recognized preeminent center that expands the use of renewable energy and serves the needs of local, state and regional renewable energy industries and people.

Oregon Tech and OREC focus on applied research that falls within Technology Readiness Levels 3 – 7, and combines the capabilities of faculty, graduate and undergraduate students working with companies that want to move beyond basic research to prototype development, testing and simulations in relevant environments, and applicability of designs to manufacturing processes. OREC is a perfect demonstration of Oregon Tech's support of faculty professional development through applied research that supports its teaching mission.

#### ***Portland State University***

Recognized by U.S. News and World Report as one of America's most Innovative Universities, PSU's Center for Entrepreneurship is home to Oregon's Cleantech Challenge and InventOR: two programs that introduce inventive new student ideas to the market. Targeting Biosciences, Advanced Manufacturing, Healthcare, Construction, Technology and Software Development -- six of the business clusters called out in the Oregon Talent Assessment -- the Portland State Business Accelerator (PSBA) is incubating the next generation of new entrepreneurs.

PSU's ongoing partnerships with regional entities including the City of Portland, Portland Public Schools, Metro, and the Oregon Department of Environmental Quality (DEQ) provide additional opportunities to faculty and student to engage in research. For example, PSU researchers working in collaboration with Portland Public Schools are studying the effect of mindfulness on teaching and learning outcomes in kindergarten classrooms in Portland. PSU's Community Environmental Services unit is working with Oregon DEQ to assess consumer, commercial, industrial and agricultural food waste across the state. In collaboration with Metro, PSU researchers are assessing the potential economic impacts of a proposed bus rapid transit system along Portland's Powell Blvd.

Key partnerships with public, private and non-profit partners, including Intel, Daimler, PGE, City of Portland, Multnomah County, Oregon Health Sciences University (OHSU), Mercy Corps, and Oregon Museum of Science and Industry (OMSI), provide students and faculty with outstanding opportunities to contribute to the physical, social, cultural, and economic development of the Portland metro region. In 2017 (the last

year the count was completed) PSU students contributed 942,000 service hours, worth \$23 million to the local economy.

In partnership with the City of Portland, OHSU and others, PSU is building the University District, while meeting regional goals for retail and commercial development, transit planning, housing and small business development. Since its 2014 impact report, PSU has spent \$142 million on the renovation of three campus buildings: the Karl Miller Center, Peter Stott Center/Viking Pavilion and Neuberger Hall. In 2019, they begin construction of the \$70 million dollar Fourth and Montgomery Building in partnership with Oregon Health Sciences University, Portland Community College and the City of Portland. This state-of-the-art facility continues a tradition of collaborative development and will host the PSU College of Education; the PSU-OHSU School of Public Health; Portland Community College's Dental Program; and the City of Portland's Bureau of Planning and Sustainability.

Using a nationally-accepted methodology for calculating the economic impact of universities, PSU's economic impact was over \$1.52 billion dollars in FY18.1 PSU graduates have an enormous economic impact on the region, as around 66 percent of PSU resident graduates and 29 percent of non-resident graduates from the 2008-2009 cohort remain in Oregon, investing their energy, skills, talents, and tax dollars in the state.

PSU is also a top-ten employer, providing over 7,000 family wage jobs (762 employees have a Doctorate or other terminal degree) to employees who contributed \$14.2 million in employer-based taxes to pay for local and state services in FY18. According to the annual NAFSA Association of International Educators' report on student spending, international students who attended PSU in 2019-20 contributed \$59.8 million to the regional economy.

### ***University of Oregon***

UO remains a significant force in the Oregon economy. The estimated economic impact of the university was \$1.5 billion in the 2017-2018 fiscal year. The estimated economic footprint—a measure of the aggregate economic activity affected by UO and comparable to the definition of economic impact commonly used in impact studies—was \$2.2 billion.

Thanks to a \$500 million gift from Phil and Penny Knight to create the Knight Campus for Accelerating Scientific Impact, UO is undertaking a \$1 billion initiative designed to fast-track scientific discoveries that improve the quality of life for people in Oregon, the nation and beyond and train a highly capable scientific workforce for the jobs of tomorrow. When the billion-dollar initiative is fully operational, UO envisions the campus to have three new buildings outfitted with cutting edge laboratories, advanced life sciences technical and imaging facilities, human subject interaction spaces, flexible pedagogical environments for engineering and applied sciences and an innovation center with leasable labs and desk/meeting space. UO estimates that when fully underway the Knight Campus will drive the creation of some 750 jobs and produce nearly \$80 million in total economic activity statewide annually.

### ***Oregon State University***

OSU is the State's land grant university and is only one of two universities in the U.S. to also have Sea Grant, Space Grant and Sun Grant designations. OSU is the only university in Oregon to hold both the Carnegie Foundation's top designation for research institutions and its prestigious Community Engagement classification. It has 11 colleges, 13 Agricultural Experiment Stations and the Forest Research Laboratory

(several sites and collaboratives), 35 county offices of OSU Extension Services, the Hatfield Marine Sciences Center in Newport, OSU-Cascades in Bend and the newly opened Portland Center.

As a result of the activities of the university's faculty, staff and students, OSU ranked as Oregon's largest public research university with a record \$449.9 million external funding (including multi-year contracts) for fiscal year 2019-20. Federal funding of \$301.3M accounts for 67% of OSU's FY2020 research grants and contracts. OSU's engagement with business and industry in FY2020 totaled \$36.8M — the fifth consecutive year that exceeded \$30M. Sources include technology licensing, contracts for testing, support through the Agricultural Research Foundation and research gifts through the OSU Foundation.

The research activities carried out at OSU bring significant benefits to the state, the Nation, and the world. For example, research results play a key role in Oregon's agriculture and forestry industries, support K-12 teacher success, benefit the "blue" economies of Oregon and neighboring states, offer innovations in the realm of alternative clean energy production, aid in disaster mitigation planning. OSU's research programs also inform national and international policies related to managing resources on a changing and evolving Earth. Further, OSU's researchers have made various discoveries, from new pigments to transparent transistors, and their work plays a key role in emerging industries related to, for example, the outdoor recreation industry.

OSU's impact as a major internationally recognized public research university carries an increasing and significant impact on Oregon's economy. In 2017, economists from ECONorthwest estimated that OSU's annual economic footprint was \$2.714 billion – and increase of 35 percent from 2011. Half of OSU's economic impact occurs outside of the Corvallis area and the university's activities in 2014 were responsible for 31,660 jobs statewide. OSU's statewide economic impact is unique, as OSU has a physical presence and operations in each of Oregon's 36 counties.

## Partnerships with Community Colleges

### ***Eastern Oregon University***

EOU's work with community colleges over several decades underscores a commitment to the transfer adult learner population trying to complete their post-secondary studies while working full time. Over half of EOU's 11 Regional Centers are housed on Oregon community college campuses: EOU Gresham (MHCC), EOU Hermiston (BMCC's Eastern Oregon Higher Education Center), EOU Ontario (TVCC), EOU Pendleton (BMCC), EOU Portland (Clackamas Community College—Harmony Campus), EOU Salem (Chemeketa Community College), EOU Central Oregon Community College (COCC) and EOU Roseburg (UCC and SWOCC). Each center has a director who serves as a professional advisor for EOU students in the region, who are enrolled in one of 23 online majors or one or more of 21 online minors. In addition, EOU offers three online graduate programs and eight online certificates, as well as face-to-face and/or hybrid instruction for its onsite programs in Education (Gresham, Ontario, and Pendleton). The most recent pathway partnerships are in the online Fire Services Administration-Emergency Medical Services Administration degree programs that articulate with Klamath Community College, Blue Mountain Community College, Treasure Valley Community College EMT, structural fire, and wildland fire associate degrees. Municipal, state and federal fire agencies are informing the direction of this work.

In 2012, EOU embarked on an ambitious project, The Eastern Promise, to develop valuable partnerships with regional school districts and community colleges to provide a one-stop shop for early college credit, dual credit, and educational professional development for educators. With initial funding from the State of Oregon, the Eastern Promise has shown promising results for students and educational partners. It has grown into a financially sustainable program, earning accolades as a successful replication model throughout the state and beyond. Eastern Promise is built upon five pillars: (1) equity; (2) college-going culture; (3) accelerated college credit; (4) cross-sector partnerships; and (5) cross-sector professional learning communities (Pierson & Hodara, 2016).

In 2021-22, EOU reviewed its Eastern Promise program and is engaged in an update of how dual credit might be more clearly framed for students and parents. Early conclusions have arisen from research and review of evidence-based best practices for recruitment, retention, and completion of first-generation rural students. EOU has engaged in stakeholder input and commitments to Eastern Promise, has done a thorough analysis of gaps in serving regional rural students, and is currently seeking alignment with Eastern Promise partners' existing strategies to create an eastern Oregon alliance of ESDs and Community Colleges committed to (1) rural student recruitment onto Eastern Oregon Career Pathways, (2) early outreach, (3) pre-college guided aptitude and career exploration opportunities, (4) dual credit integration with career learning areas, and (5) career pathways for economic success. EOU believes that framing dual credit with career orientation will help create regional career-oriented systems for EOU and its partners, addressing both the needs of rural students from elementary school through high school and meeting the needs of workforce ready and post-secondary career attainment in and for the eastern Oregon region.

EOU also has a long-term partnership with Treasure Valley Community College to operate an undergraduate teacher education program. Students complete 100 hours of lower division program requirements through the community college and then complete the upper division requirements onsite. Students have no residential requirement in La Grande and are not required to take online courses. 100 percent of graduates from EOU Education programs find employment in the rural regions of the state.

Attracting and retaining qualified teachers in these regions is a high priority. The Oregon Teacher Pathway program focus for Eastern Promise together with development of +2 para to teacher programs will help assure opportunities for residents of Oregon rural counties to serve as teachers.

### ***Western Oregon University***

WOU has an 11-year running dual enrollment partnership with Chemeketa Community College by which students may readily enroll in coursework at both institutions and have their financial aid managed by a home campus. Through this partnership, the two institutions have been meeting to update and streamline degree program transfer pathways between the two schools. Of note are very strong relationships that have been established by the faculty in Education (both for K-12 and early childhood tracks), computer science and information systems and psychology to advise and facilitate transfer of associate degree level students into degree tracks at WOU. During the past four academic years additional joint work has been engaged with multiple division chairs and advising/registrar staff to discuss collaborative models to streamline the transfer of Chemeketa students to WOU.

### ***Southern Oregon University***

SOU and Rogue Community College partnered with the Higher Education Coordinating Commission (HECC) in support of the Adult Promise Program, led through the State Higher Education Executive Officers Association (SHEEO) and Lumina Foundation, to receive a \$50,000 grant to do targeted joint marketing and outreach to “some college-no-credential” adults -- particularly those from communities of color -- using dual-branded postcards, television, social media, and digital advertising to direct them to low-cost educational opportunities.

SOU entered into a facility sharing agreement with Rogue Community College upon completion of the capital construction project called the Higher Education (HEC) Building in 2008. The facility, located in Medford, includes teaching classrooms, specialty classrooms, presentation halls, and teaching computer labs. An example of cooperation and collaboration between two institutions, the HEC is a model of environmental stewardship having received the U.S. Green Building Council award’s platinum certificate in the Leadership in Energy and Environmental Design (LEED) program, the first Platinum LEED building within Oregon public universities.

Employees and their dependents at SOU, Rogue Community College (Grants Pass/Medford area), and Klamath Community College (Klamath Falls) can all participate in a reduced tuition agreement between the three institutions, a program that was modeled after the original public university’s staff tuition benefit.

### **Southern Oregon Higher Education Consortium (SOHEC)**

In November 2018, the presidents of SOU, Oregon Tech, Rogue Community College (RCC) and Klamath Community College (KCC) formed the Southern Oregon Higher Education Consortium (SOHEC), Oregon's first regional coalition of colleges and universities. Partners established the consortium to prompt discussion about what kinds of economic growth are needed in southern Oregon, what industries the institutions should help support or attract, and how higher education can best align to meet those needs. Since its inception, SOHEC has created a website, shared housing, explored collaborative academic programming, worked on developing dual admission, improved transfer and developed or implemented additional programs.

In AY 2020, SOU hosted a Title IX training at the Ashland campus for the SOHEC faculty and staff. In July 2020, leaders from SOU and RCC partnered with Representative Pam Marsh, K-12 superintendents, and leaders in the business community and the Rogue Workforce Partnership to form the Southern Oregon Education Leadership Council (SOELC) with the goal of establishing an integrated, student-centered system of education that supports each student from kindergarten through adulthood, including the appropriate higher education and career pathways. The primary focus of the group's work is developing flexible dual enrollment and equitable transfer policies, and accessibility to education and career pathways. SOU has joined with RCC and KCC to develop transfer agreements that are unique to Southern Oregon, including but not limited to 2+2 degrees and synchronous remote instruction. In addition, RCC and SOU jointly provide ongoing development of internship/apprenticeship and other forms of workplace learning and opportunities for paid work and continue to create career pathways through stackable certificates and micro-credentials, and degree programs.

### ***Oregon Institute of Technology***

Oregon Tech has dual enrollment agreements with the several community colleges including Chemeketa, Clackamas, Klamath, Linn-Benton, Mt. Hood, and Portland. Through these agreements students can co-enroll at each institution and combined credits to receive full-time financial aid status. Students who are dually enrolled can view their degree audit, have access to advisors, utilize library and other services at each institution.

Oregon Tech works closely with community college partners to develop articulation agreements. These formal agreements require faculty at each institution to align curriculum to maximize credit transfer for students. These agreements are reviewed and renewed yearly to reflect curricular changes. This also allows the alignment discussions to be on-going and robust. Oregon Tech collaborates with partner Community Colleges in creating articulation agreements that student-centered by maximizing course transfer. Agreements and general transfer guides are easily accessible on the Oregon Tech website.

### ***Portland State University***

PSU maintains co-admission programs with Chemeketa Community College, Clackamas Community College, Clatsop Community College, Mt. Hood Community College and Portland Community College. Co-admitted students have an opportunity to use both schools to accomplish their academic goals. Students in the program also have access to PSU services that can support a healthy transition from a community college to PSU.

### ***University of Oregon***

UO has ongoing relationships with community college partners, especially Lane Community College, Portland Community College, and Southwestern Oregon Community College. They are actively updating a consortium agreement with Lane Community College and discussing a new transfer program with them. The "transfer credits" website provides a wealth of information on transferring to UO and a number of tools to ease that process, such as Transferology and the Transfer Evaluation System.

In addition, UO has participated in the Oregon Strong Start steering committee, an effort to improve student success in early math courses through co-requisite education; the PDX Career Pathways Collaborative, an effort coordinated by Education Northwest to improve pathways from high school to post-secondary education to careers; and Guided Pathways work of community colleges, an effort

coordinated by the Oregon Community College Association to create clearer educational pathways for community college students.

***Oregon State University***

OSU partners with all Oregon community colleges and three community colleges in Hawaii to allow students to enroll jointly in the community college partner institution and OSU, providing a clear and affordable pathway to an OSU credential.

OSU offers credit and non-credit classes and programs developed in collaboration with Oregon community college and K-12 partners, with the aim of meeting specific community needs in college and career readiness, degree completion, and economic and community development. Participating community colleges include Portland, Tillamook Bay, Chemeketa, Central Oregon, Clatsop, Klamath, Blue Mountain, Columbia Gorge.

In partnership with Oregon community college and K-12 partners, the Juntos program provides families with culturally-responsive knowledge, skills, and resources to prevent youth from dropping out of high school and encourages families to work together to gain access to college. OSU provides this program in collaboration with Oregon community colleges, K-12 partners, and SOU.

## Partnerships with Post-Secondary Institutions

### ***Eastern Oregon University***

On the La Grande campus, EOU maintains longstanding partnerships with OHSU's BS in Nursing and OSU's 2021 strategic focus on Agriculture Sciences and Rangeland Sciences programs at their La Grande site. EOU provides general education ramps into OHSU's and OSU's programs. As the partnership evolves, space needs and barriers to access are reviewed regularly as Memoranda of Understanding between the institutions are updated.

### ***Western Oregon University***

WOU continues to work closely with OHSU in providing non-medical-related curricular offerings in support of nursing students completing the BSN at the WOU campus. Further, WOU facility services provides support for the facilities that house the OHSU nursing program and the WOU's computing services provides desktop and installation support and smart room support to the OHSU nursing facility.

### ***Oregon Institute of Technology***

Described above, OMIC R&D is an industry-university applied research center that brings together industry, government and academia as partners. There are ten founding institutions and three participating university members that include Oregon Tech, PSU and OSU.

### ***Southern Oregon University***

The SOU campus includes the OHSU's School of Nursing in Ashland. Three pathways are offered to OHSU students to complete their Bachelor of Science with a major in nursing exist and include: 1) the Oregon consortium for nursing education or OCNE, 2) a three-year undergraduate nursing program, and 3) an accelerated bachelor for those with an undergraduate degree in another field and as associate degree in nursing from an OCNE community college.

### ***Portland State University***

PSU continues to develop research collaborations with OSU, UO, OHSU, and other institutions, creating opportunities for faculty and students to engage in cutting-edge research in a variety of areas including health and sustainability-related fields, business, urban planning, engineering, the physical and life sciences, and social work. These collaborations capitalize on each institution's strengths. For example, PSU and OSU researchers collaborate on studying microplastic contamination along Oregon's shores, reflecting the complementary nature of OSU's sea-grant mission and PSU's dedication to sustainability and environmental management. PSU houses the \$45 million Transportation Research and Education Center (TREC), one of five national centers funded by the U.S. Department of Transportation. UO is a partnering institution on a TREC pooled fund grant studying methods to modernize transit agencies' fare payment systems. PSU researchers, meanwhile, make use of an OHSU microscopy suit located in the Robertson Life Science Building where their research has resulted in discoveries that may transform approaches to treating diseases like heart disease, Alzheimer's, and macular degeneration. Concrete evidence of the major research universities working together is the recent signing of an MOU between PSU, UO, OSU, OHSU and Oregon Tech to allow access to core research facilities to faculty at all institutions using internal rates, effectively sharing research infrastructure across the state.

PSU's ties to its sister universities as well as regional partners also include innovation, economic development, and entrepreneurship. This work includes the Innovation Quadrant (IQ). PSU, OHSU, OMSI, Portland Community College, and the City of Portland are collaborating to establish and create programming and career pathways to support this vision for a thriving metro area.

In 2015, PSU and UO entered into an agreement to allow "Joint Campus" graduate enrollment. The former Oregon University System (OUS) first created the "Joint Campus" in the 1960s to allow graduate students at UO, OSU, and PSU to access courses at the three universities by registering and paying tuition at their home campus. The registrars on each campus worked together to arrange the course registrations, and the financial services offices ensure a financial settle up on a quarterly basis. This new "Joint Campus" agreement will allow students to access a broader range of courses, while maintaining registration at their home campus for the purposes of financial aid and degree requirements. (OSU elected not to participate in this effort because of low demand for PSU courses from their students).

PSU has focused efforts on expanding a collaborative research portfolio including the launch of two new university-wide research centers, the Homelessness Research and Action Collaborative, the Digital Cities Testbed Center, and joint PSU-OHSU seed funding grant to spur inter-institutional research collaborations.

### ***University of Oregon***

UO collaborates and participates in shared services related to information technology. The former Network for Education and Research in Oregon (NERO) service center administered by the UO, has joined Link Oregon, a consortium of the State of Oregon and the state's four research universities—UO, OSU, OHSU, and PSU. Link Oregon seeks to enhance research, education, healthcare, and access to public services and information across the state. They support K-12 and higher education, university research, libraries, public healthcare organizations, and Native Tribal facilities statewide.

The Oregon Gigapop (OGIG) provides network connectivity to Internet2, the premier research and education network that connects research universities across the United States. Member institutions are UO, Oregon Health & Science University, OSU and PSU. UO is also strengthening ties with OHSU through partnerships in developmental biology and exploring opportunities associated with the Phil and Penny Knight Campus for Accelerating Scientific Impact.

The UO Libraries participates in several regional and national library consortiums to share library collections, resources, and expertise, and to realize cost discounts for a variety of services and resources. Among these is the Orbis Cascade Alliance, a consortium of 39 academic libraries located in Oregon, Washington, and Idaho, including Oregon's seven public universities and 17 other higher education institutions, community colleges and private, across the state. Orbis members share an integrated library management platform that offers access to over 9.5 million items to its collective user community. Orbis also provides consortial electronic resource purchasing for its members for over \$9 million dollars in products.

## Emergency Management

UO has played a role in higher education emergency management since 2005, when it started the National Disaster Resilient Universities (DRU) Network. The goal of the DRU Network is to facilitate open communication, discussion, and resource sharing among university and college practitioners responsible for making America's campuses more disaster resilient. As of January 2019, the DRU Network has more than 2,200 members. In 2009 the university assisted several other Oregon campuses to develop their natural hazard mitigation plans. UO Emergency Management (UOEM) recognized the benefit of bringing together institutions of higher education in Oregon and the Pacific Northwest to discuss successes and challenges. Since 2010, UOEM has hosted annual Disaster Resilient Universities (DRU) Higher Education Summits. The DRU Summits ranged from those that are topic specific (e.g., pandemic illness, earthquakes, enterprise risk management) to more general sessions aimed at sharing best practices and networking among those charged with making their campuses safe and resilient.

In late 2019, UO worked with the partners to form the Oregon Campus Resilience Consortium to advance the 2016 Campus Safety Working Group recommendations. Due to the COVID-19 pandemic in early 2020, the UO has been working with the Oregon Campus Resilience Consortium partners to share information and resources to assist post-secondary institutions in Oregon to navigate the COVID-19 response.

## ***Oregon State University***

Students in eastern Oregon and beyond may take classes at EOU and earn an OSU undergraduate degree majoring in agricultural sciences, crop and soil science or rangeland sciences, as well as six possible minors. Students are admitted to both OSU and EOU.

Students spend two years at OSU in Corvallis building a foundation in pharmaceutical sciences, one year at OHSU in Portland building skills in pharmacy practice and clinical pharmacy, and one year around the state in various practice settings, including OHSU—on campus and at three locations within the OHSU Campus for Rural Health (Coos Bay, La Grande, Klamath Falls). College of Pharmacy faculty participate in the teaching mission of OHSU by providing lectures in the OHSU schools of Medicine, Dentistry, and Nursing, and in the OHSU/PSU School of Public Health. Both faculty and students in the College of Pharmacy participate in the patient-care mission of OHSU by serving as drug experts during rounds with medical teams on several services within the OHSU Hospital and outpatient clinics. College faculty are also involved in leadership positions in the OHSU Interprofessional Education program, and many College faculty have joint appointments at OSU and OHSU. The Dean of Pharmacy serves on the councils of deans at both OSU and OHSU.

OSU's colleges of Forestry and Engineering and UO's College of Design collaborate in the Tallwood Design Institute through research, educational programming, and public engagement focused on the advancement of structural wood products and mass timber design.

OHSU, OSU and PSU jointly operate the Robertson CLSB. The building was purpose built for collaboration through an original ownership agreement between OHSU and the OUS and an investment of \$110M in state-paid bonds, \$175 million in OHSU funds and \$10 million in funding from TriMet. OSU directly occupies 16,000 square feet of the 650,000 square foot facility. OSU's space includes offices, classrooms and laboratories used to deliver the Portland component of the Pharmacy degree program. Other degree programs, including a hybrid-delivery MBA, have utilized classroom space and the building serves as a place for some research collaborations.