

## **Opportunity and Challenge Profile**

*Washington State University  
Search for the Dean of the College of Agricultural, Human, and Natural Resource Sciences  
Pullman, Washington*

Washington State University (WSU), a research-intensive and innovative land grant university, seeks an ambitious, creative, and visionary leader to serve as Dean of the College of Agricultural, Human, and Natural Resource Sciences (CAHNRS). The CAHNRS Dean is a highly visible and influential leader in agricultural, human, and natural resource sciences in the State of Washington, nationally, and internationally and the school itself has been on an impressive upward trajectory for the last several years. CAHNRS serves the diverse and varied individuals, communities, businesses, agriculture systems, natural resources, and landscapes of the State of Washington. The incoming Dean will lead the College and WSU Extension in formulating the College's strategic vision and increasing its visibility, influence, and impact.

The Dean will play a critical and leading role as WSU expands its land-grant mission of serving the people of Washington and serving as the state's doorway to the global business and learning community. CAHNRS provides leadership in discovering, accessing, and disseminating evidence-based knowledge through high quality research, teaching, partnerships, and extension programs that contribute to a safe, abundant food and fiber supply; promotes the health, development, and wellbeing of people and communities; enhances sustainability of agricultural and economic systems; and promotes stewardship of natural resources and ecological systems. CAHNRS includes 16 academic units, 3 extension program units, 11 subject matter centers, four large research and extension centers, and one tribal and 39 county extension offices distributed across Washington, with approximately 550 faculty, 700 staff, 2,300 undergraduate students, and 600 graduate students.

The successful Dean will be a visionary leader and experienced administrator prepared to serve as a visible and vocal advocate and spokesperson for CAHNRS, WSU Extension, the College's external partners across the State, and the WSU system. The Dean will: (1) engage the College's stakeholders in formulating a strategic vision for the future of the College; (2) possess the ability to advance excellence in the fields within the College; and (3) build and grow mutually beneficial partnerships across the University system and throughout the State of Washington. To achieve these goals, the Dean will need to address the following opportunities and challenges that are central to CAHNRS's future success:

- Further increase the College's visibility, reach, and impact to advance its status as a thought leader in the State of Washington and beyond;
- Advance the University's land-grant mission by enhancing excellence in research, teaching, and extension;
- Sustain the future of agricultural, human, and natural resource sciences in Washington and beyond by improving access, increasing enrollment, and creating new academic programs;
- Lead resource generation and stewardship efforts for the College;
- Work collaboratively across campuses, colleges, and the state to create a strategic vision for the future of Extension and outreach at WSU; and
- Develop, recruit, and retain diverse research, teaching, and extension faculty and staff.

A list of the desired qualifications and characteristics for the Dean of CAHNRS can be found at the conclusion of this document, which was prepared by the search committee with the assistance of Isaacson, Miller, a national executive search firm, to provide background information and detail the key opportunities

and challenges related to the position. All confidential applications, inquiries, and nominations should be directed to the parties listed at the conclusion of this document.

### **About Washington State University**

Founded as the people's university, WSU embraces its land-grant heritage, seeking to transform lives through education, research, community engagement, and service. In the past 30 years, WSU has seen incredible growth—going from a single flagship campus in Pullman to an evolving system of interconnected campuses in the growing population centers of Everett, Spokane, Tri-Cities, and Vancouver. In 2015, WSU added a new medical school to the system within the Health Sciences campus in Spokane, and in 2018, Academic Outreach and Innovation was elevated as WSU's sixth campus (WSU Global) formally led by a Chancellor. The University is organized into 10 degree-granting academic colleges as well as the Honors College, Graduate School, WSU Libraries, and WSU Extension. These colleges include Agricultural, Human, and Natural Resource Sciences; Arts and Sciences; Carson College of Business; Edward R. Murrow College of Communication; Education; Voiland College of Engineering and Architecture; Elson S. Floyd College of Medicine; Nursing; Pharmacy and Pharmaceutical Sciences; and Veterinary Medicine. The Elson S. Floyd College of Medicine, the College of Nursing, and the College of Pharmacy and Pharmaceutical Sciences are housed on the Health Sciences Spokane campus.

The University places a high value on diversity, equity, and inclusion in all facets of the institution. Approximately 30 percent of the student body statewide identify as students of color, and first-generation students represent nearly 33 percent of the total enrollment. Campus Pride Index recently recognized WSU as one of the top 25 universities nationally with respect to LGBTQ-friendly policies, programs, and practices. About 15 percent of WSU students hail from outside the state of Washington and about 7 percent are international students. System-wide enrollment reached a record 31,607 students in fall 2019. The University annually awards more than \$310 million in scholarships and other financial aid to more than 20,000 undergraduate students. Intercollegiate athletics play an important role at WSU, and "Cougar Pride" is evident throughout the state of Washington and beyond (Coug Nation). More than 500 student athletes compete at the NCAA Division I level as members of the Pac-12 Conference, nicknamed the "Conference of Champions."

The university operates as an integrated university system with a single accreditation, with all campuses adhering to the same set of goals, practices, and policies – known as *OneWSU*. WSU has been redefining its administrative and operational structures to ensure delivery of an integrated set of services while allowing each campus autonomy via the leadership of the chancellor and a clearly defined identity. The university provides excellent opportunities for academic studies, offering 96 academic majors for undergraduates, graduate study in 80 master's degree programs and 64 doctoral degree programs, and four professional degree programs within the system's six campuses. To learn more about the University's *OneWSU* initiative, [click here](#).

A nationally respected leader in higher education, Dr. Kirk H. Schulz became the 11th president of WSU and a tenured professor in the Gene and Linda Voiland School of Chemical Engineering and Bioengineering on June 13, 2016. He previously served seven years as president of Kansas State University, where he guided KSU to significant achievements in research, enrollment, and fundraising.

The Dean of CAHNRS reports to the Provost and Executive Vice President, Dr. Elizabeth Chilton, who will also become the inaugural Chancellor of the flagship campus in Pullman in 2022. Dr. Chilton is also a Professor of Anthropology, with research and teaching expertise in the archaeology of pre-colonial North America. She joined the WSU system in July of 2020, having previously served as Dean of Arts and Sciences at Binghamton University (SUNY), as well as in several leadership positions at UMass Amherst.

The University's most recent system strategic plan was finalized in the spring of 2020 and is built on the foundational purposes of the land-grant university: to provide education to all, to conduct a scholarly inquiry that benefits society, and to share expertise that boosts the lives of individuals and communities. For more information on the University's strategic plan, please [click here](#).

## **About CAHNRS**

CAHNRS was formed from the two original land-grant Colleges of WSU, Agriculture and Home Economics. Today, it is much more than its legacy; it is the core of WSU and its programs and focus areas are as diverse and complex as the State of Washington itself. CAHNRS embraces fundamental and applied research, engineering, environmental science, business and economics, physical and biological sciences, animal and human-subject research, social and behavioral science, apparel, merchandising, design and textiles, nutrition and food, and community development. With 22 majors, 19 minors, and 27 graduate level programs along with 550 faculty and 700 staff, the College is one of the largest and most diverse at WSU.

The ideal CAHNRS learning experience has three major components: (1) a solid foundation of discipline-based content; (2) an application aspect that sets the context for bringing academic content to life; and (3) opportunities for students to communicate and engage effectively around that content with industry and agency professionals. This approach supports students with acquiring the full array of skills required for successfully navigating the college-to-career transition.

CAHNRS is a leading driver of research and engagement at WSU, securing more than 31 percent of the university's total extramural funding annually. CAHNRS research and extension faculty brought in more than \$84 million in FY2021 from competitive extramural funding sources. WSU's research and extension are directly relevant to many of the state and nation's most important industries. Nationally, Washington State University has ranked No. 1 in U.S. Department of Agriculture (USDA) research and development expenditures in two of the last four years. Locally, food and agriculture account for more than \$35 billion in the state's economy and CAHNRS has a direct relationship with businesses throughout the supply chain, keeping this sector among the most competitive in the world. Tree fruit, grains, cattle, potatoes, berries, and other producers rely upon, and provide supplemental funding for, WSU problem-solving research. Washington's wine and grape industry, second in the United States to California, has both a history and a future tightly linked to CAHNRS. The impact of CAHNRS extends beyond food and agriculture to human health, the retail and textile industries, research into how children, youth, adults, and families develop, change, and navigate challenges throughout their lifespan, and many other areas and systems that impact the world and how people live their lives.

The CAHNRS leadership team is responsible for managing nearly \$190 million in annual expenditures. Securing diversified funding sources is a key element to the fiscal well-being of the College. For more information on the College's achievements, please [click here](#).

## *WSU Extension*

With a statewide presence that includes 39 county extension offices and one tribal extension office, WSU Extension provides a robust suite of programming and applied research and is the front door to the University. Extension builds the capacity of individuals, organizations, businesses, and communities, empowering them to find solutions for local issues and to improve their quality of life. Extension collaborates with communities to create a culture of life-long learning and is recognized for its accessible, learner-centered, relevant, high-quality, unbiased, evidence-based educational programs. WSU Extension relies on partnerships across federal, state, tribal, county governments, and various private-sector entities. WSU Extension takes an entrepreneurial approach in its partnerships with businesses, communities, and volunteers, as well as federal and local government, to develop programs that drive innovation, invention,

and technology transfer. The partnerships result in programming which span a wide range of areas and include 4-H programs, agricultural production, communities and economic development, family services, food and nutrition, food safety, health promotion and disease prevention, gardening, and natural resources. As WSU focuses on the system-wide strategic plan and expands on the land-grant mission, Extension will play a critical role in advancing the mission of both CAHNRS and WSU. For more information, please [click here](#).

### *Industry Relationships*

CAHNRS has one of the most unique and productive relationships with its industry partners in the nation. Largely as a result of these partnerships, the College was able to raise over \$250 million in gift funds during WSU's \$1 billion fundraising campaign. The leadership and faculty of CAHNRS benefit from a number of partnerships that ensure relevance and assist in the implementation of external initiatives. These groups were exceptionally helpful during the fundraising campaign. As WSU embarks on its next capital campaign, these connections will be crucial in ensuring the continued fundraising success of CAHNRS and the University. Additionally, the State of Washington has a number of significant commodity commissions. CAHNRS partners with these commissions to attract world-class leaders and cutting-edge research facilities. In recent years, these commissions have contributed \$50 million to CAHNRS research in the form of direct support of research and endowments as well as support for infrastructure investments. Some of the key commissions include those focusing on grain, berries, hops, potatoes, tree fruit research, and wine. Through its apparel, merchandising, design, and textiles program, CAHNRS has built relationships with Nordstrom, Nike, REI, Cotton Incorporated, and many more top global brands.

### **Role of the Dean of CAHNRS**

The Dean reports to the Provost and Executive Vice President and directly supervises the Associate Deans for Academic Programs, Extension, and Research, and the new Assistant Dean of Diversity, Equity, and Inclusive Excellence, as well as 12 department chairs and school directors, 3 extension program unit directors, 11 research and extension center directors, four administrative directors, and an administrative assistant. As the principal administrative officer of CAHNRS and WSU Extension, the Dean will be responsible for providing overall strategic leadership in promotion, development, integration, and implementation of the College's plans, goals, and objectives consistent with WSU's mission. Other key areas of responsibility include the planning, development, implementation, and evaluation of the College's programs in addition to hiring, developing, and evaluating a diverse team of faculty and staff to ensure continued research and academic excellence.

### **Key Opportunities and Challenges for the Dean**

The overarching charge of the Dean of CAHNRS will be to capitalize on the success of CAHNRS and WSU Extension and build and increase its impact. The Dean will be the face and voice of CAHNRS, promoting and advocating for the College across WSU's campuses, the State of Washington, the nation, and the globe. They will develop an understanding and appreciation for the College's various departments and schools and will be attentive and responsive to stakeholder needs. To achieve these goals, the Dean will address the following opportunities and challenges:

### ***Further increase the College's visibility, reach, and impact to advance its status as a thought leader in the State of Washington and beyond***

The new Dean will play a crucial role as a highly visible spokesperson for the agricultural, human, and natural resources sciences at one of the nation's leading land-grant institutions. They will be responsible for working with, listening to, and learning from leading agricultural groups and businesses, and using those

conversations to craft a compelling and comprehensive narrative and shared identity for CAHNRS. By providing this clarity of mission and purpose, the Dean will help CAHNRS improve students' experiences, pursue more innovative research, expand Extension, reinvigorate teaching programs, and attract new resources. In recent years, CAHNRS has expanded its nationwide presence, becoming a key thought partner for industry leaders in the state and nation and government leaders at the local, tribal, state, and federal level. The new Dean will continue to advance the reputation of the College by actively participating in public debates about relevant issues; frequently engaging with government entities, elected officials, commodity groups, and industry partners; and sharing lessons and best practices that strengthen programs, policies, and human development initiatives with domestic and global partners. The Dean of CAHNRS serves as a convening voice for the food and agriculture industry throughout the country, so they must be seen as a fair, credible, and inspired leader.

***Advance the University's land-grant mission by enhancing excellence in research, teaching, and extension services***

CAHNRS works to solve complex societal problems that will enrich the quality of life for all, and the new Dean must foster an environment that celebrates high quality and high impact research, teaching, and extension programs. To be successful, these programs will require excellent people, facilities, and resources. Therefore, the new Dean will need to invest in diverse and talented faculty, staff, and students, update key infrastructure, lab spaces, and extension facilities, and carefully manage, increase, and invest resources. In keeping with the OneWSU system-wide focus, the new Dean will build partnerships across campuses and Colleges and ensure the organizational structure of CAHNRS is optimized to support excellence throughout the state.

***Sustain the future of agricultural, human, and natural sciences in Washington and beyond by improving access, increasing enrollment, and creating new academic programs***

As the academic leader for the College, the Dean will assess current programs and explore natural areas for growth within CAHNRS. They will encourage collaboration across disciplines, both within CAHNRS and throughout the University, to improve programming for undergraduate students and strengthen programs for graduate studies. To ensure students are receiving a comprehensive and competitive education, the Dean will leverage the College's expertise to produce well-prepare leaders in the workforce. The changing and evolving nature of the food and agriculture industry, as well as the other human and natural sciences industries, provides many opportunities for graduates of CAHNRS. However, these opportunities are not always readily apparent or understood by students; therefore, attracting and retaining quality students and making sure they are aware of the many and varied career options remains one of the most important activities facing CAHNRS.

In the face of a university-wide reduction in enrollment during the COVID pandemic and in anticipation of the changing demographics of potential students, the Dean must support development of messaging and recruitment methods that are effective in engaging students at both the undergraduate and graduate levels. This includes efforts to increase pipeline programs that target surrounding students at high schools, reservations, and community colleges to provide awareness of the diverse array of majors, options, and career opportunities offered through CAHNRS while thinking creatively about new ways to engage non-traditional students. Additionally, the Dean must prioritize retaining students once they enroll. In keeping with the College's commitment to diversify the future leadership of the agricultural, human, and natural resource sciences, the Dean will identify and understand historical and contemporary inequities that impact communities throughout the state and create a system that holistically and equitably supports students to graduation. The Dean will work closely with industry partners and faculty to ensure the education offered meets industry needs. Overall, the Dean must work to ensure CAHNRS appeals to a diverse cohort of excellent students and future leaders.

***Lead resource generation and stewardship efforts for the College***

The Dean must ensure a sustainable funding model for CAHNRS, while finding creative ways to increase resources through fundraising, research funding, grants, local partnerships, commodity commissions, fees from sales at Ferdinand's Creamery, and other sources. CAHNRS served as a leading source of revenue for the university's previous campaign, and the new Dean will play a key role in the University's upcoming capital campaign. As the face of CAHNRS, the new Dean must be an energetic, enthusiastic, and convincing advocate with alumni, industry, and other donors to broaden and deepen the College's fundraising efforts. Because financial support is one avenue to ensure the future success of the College, the Dean, alongside the Washington State University Foundation, must find ways to fund, research, attract, and retain key faculty and make CAHNRS a destination school for top students. The Dean will tell the story of the College's exciting future in a way that engages and inspires a diverse range of audiences.

***Work collaboratively across campuses, colleges, and the state to create a strategic vision for the future of Extension and outreach at WSU***

As a land-grant institution, WSU is rooted in accessibility and public service. Extension programs are a vital aspect of that mission. As WSU more fully leverages its system-wide and state-wide reach, the new Dean will engage in high-level conversations with university leadership across campuses, local county partners, and other engaged stakeholders about the future potential of Extension. In addition, the Dean will be a key leader in reaching out statewide, in particular to the state's indigenous communities, to find new ways Extension can better serve the state's population. The new Dean will leverage the OneWSU vision to encourage partnerships across colleges and campuses that gather together the university's strengths in various academic disciplines and find new and creative ways to benefit WSU's many communities.

***Develop, recruit, and retain diverse research, teaching, and extension faculty and staff***

In meeting the needs of the many stakeholders in the State of Washington, the new Dean must continue to foster a culture that supports excellent research and teaching, ensures that junior faculty are well mentored, and actively supports senior and non-tenure-stream faculty to establish the continued success of the College's departments, schools, and program units. Success includes actively recruiting an outstanding and diverse pool of research, teaching, and Extension faculty and staff and committing to their development and retention as well-prepared and effective leaders in their respective fields. By leveraging the College and University's leadership development programs, the Dean will solidify a robust leadership pipeline for the College and the agricultural, human, and natural resource sciences more broadly. This includes holistically supporting staff by centering diversity and inclusion initiatives and maintaining the highest standards of quality to ensure that these positions are being effectively utilized, awarded, supported, and leveraged in advancing CAHNRS's mission.

**Responsibilities of the Dean**

Specifically, the Dean will:

- Develop and carry out the mission of CAHNRS and WSU Extension;
- Formulate goals and objectives and direct strategic and budget planning activities for the College;
- Foster, coordinate, and provide leadership to research and outreach initiatives that solve important societal problems;
- Nurture stakeholder relations and CAHNRS-industry partnerships that provide support to WSU research and Extension programs;

- Provide leadership that cultivates an environment which promotes the academic success and personal development of all students within the College;
- Provide leadership and direction to faculty and staff in the management of programs and departments;
- Ensure effectiveness and achievement of College goals in areas of student growth, retention, and graduation rates;
- Develop, evaluate, and direct CAHNRS and WSU Extension staff: make decisions concerning the employment, advancement, and retention of the staff; and supervise the staff in the preparation of their annual plans, objectives, and reports;
- Design, establish, and maintain an organizational structure and staffing to effectively accomplish the organization's goals and objectives; and
- Develop and control the College's budget.

### **Qualifications and Characteristics**

WSU seeks in its CAHNRS Dean a transformational leader with creative vision, extraordinary energy, integrity, and the personal qualities and professional profile to inspire and lead. The search committee understands that no single candidate may have all of the ideal qualifications, but prefers candidates with the following experience and abilities:

- An earned Ph.D. in a discipline related to agriculture, human, and/or natural resource sciences;
- Demonstrated capacity for leadership in a distinguished academic or comparable setting, and the ability to persuade and engage others in the WSU and CAHNRS mission;
- Demonstrated commitment to equity, diversity, and inclusion in higher education, including the ability to recruit, motivate, inspire, and retain talented and diverse faculty; and to provide strong support for their progress through promotion and tenure with processes that ensure clarity and integrity;
- Be a champion for staff, including the recruitment and retention of a diverse staff, and demonstrate a commitment to cultivating a transparent and inclusive community as a personal and professional value;
- Proven experience in developing and executing a strategy that defines a distinctive college or program identity and articulating what differentiates that entity from its peers;
- Demonstrated ability to articulate a clear, collegial vision and to engender support from both internal and external constituents in implementing that vision;
- A strong record of academic accomplishment that demonstrates the ability to lead and expand the College's research, extension, and other educational program activities with distinction;
- An understanding of and appreciation for the value of fundamental and applied research across the diverse range of disciplines represented within CAHNRS;
- Proven capacity for building strong alliances and partnerships;
- Proven record of resourcefulness in the management of personnel and budgets;
- Ability to engage effectively with local, national, and international businesses as well as government partners to strengthen the College's and the University's central role in ensuring the environmentally sound and sustainable use of agricultural and natural resources in Washington and beyond;
- Enthusiasm for working with alumni and other external groups, as well as experience with and a commitment to lead fundraising efforts;
- Experience with and commitment to transdisciplinary research and educational programs across the institution; ability to identify common interests, seek consensus, and work collaboratively across Schools and Colleges;



- An affinity for consensus-building and diplomacy and the ability to listen to, and be heard by, a wide variety of constituents;
- An appreciation for and support of creativity across the instructional curriculum, including effective teaching, innovative methods of curricular delivery, and faculty engagement with undergraduate and graduate students; and
- An entrepreneurial mindset; an enthusiastic, collaborative, and even-keeled style; and outstanding interpersonal and communication skills, including a keen interest in engaging diverse communities and non-traditional students across the state.

## **Location**

The Dean position is located on WSU's main campus in Pullman, Washington. Pullman is a dynamic center of higher education, research, and culture located in a region called the Palouse. The region is home to two land-grant universities, Washington State University and the University of Idaho, located just eight miles to the east in Moscow, Idaho. Washington's second largest city, Spokane, is located 75 miles north of Pullman. Demographics Daily designated Pullman a "dream town," reflecting the city's exceptionally high quality of life. Bloomberg Business Week named Pullman the "Best Place to Raise Your Kids" in Washington. The city also boasts one of the highest percentages of graduate degrees among U.S. metropolitan areas, and its public school system has been ranked among the top 100 in the country. World-class outdoor recreation opportunities—including golfing, skiing, hiking, and boating—are just a short drive away. To learn more about the Pullman community, visit: [www.pullmanchamber.com](http://www.pullmanchamber.com).

CAHNRS manages locations distributed across the state. In addition to the one tribal and 39 county Extension office locations, the College also maintains four large research and extension centers in Prosser, Mt. Vernon, Puyallup, and Wenatchee. CAHNRS faculty are located on all five of WSU's academic campuses – Pullman, Spokane, Tri Cities, Vancouver, and Everett, and offer academic programs at each of these campuses, as well as the WSU Global Campus.

## **Applications, Inquiries, and Nominations**

Screening of complete applications will begin immediately and continue until the completion of the search process. Inquiries, nominations, referrals, and CVs with cover letters should be sent via the Isaacson, Miller website for the search: <https://www.imsearch.com/search-detail/S8-184>.



*Recruiting exceptional leaders  
for mission-driven organizations*

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*Washington State University is an Equal Opportunity/Affirmative Action educator and employer. Members of ethnic minorities, women, disabled veterans, veterans of the Vietnam-era, recently-separated veterans, and other protected veterans, persons of disability, and/or persons age 40 and over are encouraged to apply. WSU employs only U.S. citizens and lawfully authorized non-U.S. citizens. All new employees must show employment eligibility as required by the U.S. Citizenship and Immigration Services.*



## **Appendix: More about CAHNRS**

### **Academic Departments**

**Animal Sciences:** The mission of the Animal Sciences department is to advance knowledge through research and innovation across a range of disciplines; extend knowledge through innovative educational programs to emerging scholars, fellow scientists, and stakeholders; and apply animal science knowledge to improve quality of life for people and animals. For more information: <https://ansci.wsu.edu/>

**Apparel, Merchandising, Design and Textiles:** The Department of Apparel, Merchandising, Design and Textiles is the largest and most comprehensive 4-year apparel and textiles program in Washington. Academic programs offer students all the tools necessary to succeed in the textile, apparel, and retail industries. The department has state-of-the-art classroom equipment, fully equipped apparel design studios, a program and curriculum aligned with the industry, and nationally and internationally recognized faculty. For more information: <http://amdt.wsu.edu/>

**Biological Systems Engineering:** Biological Systems Engineering faculty conduct research and outreach activities in four focus areas: land, air, water resources, and environmental engineering; food engineering; bio-energy and bio-product engineering; and agricultural automation engineering. The faculty and students generate knowledge and develop technologies for environmental stewardship, renewable energy, productive and sustainable agriculture, and safe and nutritious foods. For more information: <https://bsyse.wsu.edu/>

**Crop and Soil Sciences:** The Department of Crop and Soil Sciences serves WSU's land-grant mission by offering nationally competitive undergraduate and graduate education programs, conducting discovery and translational plant and soil research, and extending the science of its disciplines to serve the public. For more information: <http://css.wsu.edu/>

**Entomology:** The Department of Entomology's faculty, students, and staff study insects and their relationship to human, the environment, and other organisms and contribute to an array of fields including agriculture, biology, chemistry, human and animal health, molecular science, and forensics. The department provides an intensive graduate experience for students with research conducted under the mentorship of leading Entomology faculty. For more information: <http://entomology.wsu.edu/>

**Horticulture:** The Department of Horticulture is internationally recognized in the areas of tree fruits, vegetables, viticulture and enology, and small fruits. Faculty members possess a diverse array of expertise in areas such as genomics, bioinformatics, breeding, physiology, metabolism, molecular biology, and sustainable production. For more information: <http://horticulture.wsu.edu/>

**Human Development:** Human Development faculty study how children, youth, adults, and families develop, change, and navigate challenges throughout the lifespan. The interdisciplinary Prevention Science PhD program, spanning five colleges and two Extension units, is located in this department. For more information: <http://cahnrs.wsu.edu/hd/>

**Institute of Biological Chemistry:** Dedicated to broad-based investigations of plant metabolism and biochemistry, the Institute of Biological Chemistry is internationally renowned for fundamental discoveries that underlie many of the advances being made in the biology and biotechnology of plants used for production of food, materials, and biofuels. Undergraduate and graduate students come to the Institute from many different departments and programs, including in molecular plant sciences, chemistry, and the School of Molecular Biosciences. For more information: <http://ibc.wsu.edu/>

**Plant Pathology:** A department of scientists with diverse backgrounds but a common mission of research, instruction, and Extension in all aspects of plant diseases, including causes, protection, prevention, and control as they affect commercial crop and landscape plants in Washington and worldwide. For more information: <http://plantpath.wsu.edu/>

**School of Economic Sciences:** The School of Economic Sciences is a unified general, applied, and agricultural economics program committed to the land-grant heritage and tradition of discovery, education, and service to society. The school's mission is threefold: to advance economic knowledge through creative research and scholarship; to extend economic knowledge through effective educational programs where graduates assume roles of leadership, responsibility, and service to society; and to apply economic knowledge through local and global engagement that will improve quality of life and enhance the economy of the state, nation, and world. For more information: <http://ses.wsu.edu/>

**School of the Environment:** The School of the Environment was established in 2012 as a multidisciplinary unit to achieve research, scholarship, and learning that enable better understanding of global and local environments. The school resides both in CAHNRS and the College of Arts and Sciences and has graduate and undergraduate degree programs in each college. For more information: <http://cahnrs.wsu.edu/soe/>

**School of Food Science:** The School of Food Science is a joint program between the University of Idaho and WSU. It has five signature areas: improving food safety locally, nationally, and globally; developing healthy and sustainable foods; advancing fundamental approaches to enhance food quality; providing food security, ensuring that the US is self-sufficient in food production (emphasizing the need to ensure that all have enough healthy food); and assisting the food industry to be economically sound, sustainable, and competitive. For more information: <http://sfs.wsu.edu/>

### **Extension Program Units**

**The WSU Extension Agriculture and Natural Resources (ANR) Program Unit** engages people, organizations, and communities to advance knowledge, economic well-being, and quality of life by fostering inquiry, learning, and the application of research. Their work spans a broad range of expertise that includes agronomic and horticultural crops; animal agriculture; water resources; environmental stewardship; forestry; rangeland management; farm management; marketing; apiculture; integrated pest management; pesticide safety; and urban horticulture. For more information: <https://anr.cw.wsu.edu/>

**The WSU Extension Community and Economic Development (CED) Program Unit** faculty and staff partner with local leaders to improve their communities, grow their economies, and strengthen local leadership. They are home to three units: the Division of Governmental Studies and Services (DGSS); the Metropolitan Center for Applied Research and Extension; and The William D. Ruckelshaus Center. For more information: <https://ced.cw.wsu.edu/>

**The WSU Extension Youth and Families (Y&F) Program Unit** educates and empowers individuals and families in diverse and inclusive communities to achieve physical, social, emotional, and economic health and well-being. They actively develop, implement, and evaluate programs as part of applied research and collaborate with faculty across CAHNRS and WSU, including the Elson S. Floyd College of Medicine, Murrow College of Communications, and College of Education. For more information: <https://extension.wsu.edu/youth-families/>

## **Research and Extension Centers, Extension County Offices, and Additional Locations**

Four large Research and Extension Centers and a network of research farms are located throughout the state. The Research and Extension Centers each include an interdisciplinary faculty and a team of staff members. The centers are:

- [Mount Vernon Northwestern Washington Research and Extension Center](#): The WSU-Mount Vernon Northwestern Research Center is located in the Skagit Valley of northwestern Washington. This region is well known for its scenic beauty, the Cascade Mountain Range, and Puget Sound. The center's mission is to serve the agricultural, horticultural, and natural resource science interests of the state through research and Extension activities that are enhanced by the unique conditions of northwestern Washington: a mild marine climate, diverse small and mid-sized farming enterprises and close rural-urban interface.
- [Prosser Irrigated Agriculture Research and Extension Center](#): The WSU Prosser Irrigated Agriculture Research and Extension Center (IAREC) is the focal point for the University, the U.S. Department of Agriculture – Agricultural Research Service (USDA-ARS), and the Washington State Department of Agriculture (WSDA) research, Extension, and certification programs that address the concerns of irrigated agriculture. An estimated two-thirds of the agricultural production in the state comes from irrigated land, making such research of vital interest to Washington's economy, both for intrastate distribution and exportation.
- [Puyallup Research and Extension Center](#): The WSU Puyallup Research and Extension Center combines research, education and community outreach to provide innovative science, knowledge and over 30 programs across our state, country and world. Enriching the lives of families and improving our environment and economy, WSU Puyallup staff are dedicated to delivering answers that address current issues and vital needs of the future.
- [Wenatchee Tree Fruit Research and Extension Center](#): The Wenatchee Tree Fruit Research and Extension Center (TFREC) is the research and extension center of Washington State University dedicated to the tree fruit sciences. Located in the primary fruit producing region of the world, the center features a cooperative, multidisciplinary approach to tree fruit production in the 21st century.

### Extension County and Tribal Offices

Adams County  
Asotin County  
Benton County  
Chelan County  
Clallam County  
Clark County  
Columbia County  
Colville Reservation  
Cowlitz County  
Douglas County  
Ferry County  
Franklin County  
Garfield County  
Grant County

Grays Harbor County  
Island County  
Jefferson County  
King County  
Pacific County  
Pend Oreille County  
Kitsap County  
Kittitas County  
Klickitat County  
Lewis County  
Lincoln County  
Mason County  
Okanogan County  
Pierce County

San Juan County  
Skagit County  
Skamania County  
Snohomish County  
Spokane County  
Stevens County  
Thurston County  
Wahkiakum County  
Walla Walla County  
Whatcom County  
Whitman County  
Yakima County

### Additional CAHNRS and Extension Centers and Institutes

- [Agricultural Weather Network \(AWN\)](#)
- [Center for Environmental Research, Education, and Outreach \(CEREO\)](#)
- [Center for Precision and Automated Agricultural Systems \(CPAAS\)](#)
- [Center for Sustaining Ag and Natural Resources \(CSANR\)](#)
- [Clean Plant Network](#)
- [Composite Materials and Engineering Center](#)
- [Division of Governmental Studies and Services \(DGSS\)](#)
- [Food and Environmental Quality Lab](#)
- [IMPACT Center in the School of Economic Sciences](#)
- [Metropolitan Center for Applied Research and Extension](#)
- [Water Research Center](#)
- [William D. Ruckelshaus Center](#)
- [Wine Science Center](#)
- [Colville Reservation Extension office](#)

### USDA-ARS Partnership

The Agricultural Research Service (ARS) is the U.S. Department of Agriculture's chief scientific in-house research agency. ARS focuses on finding solutions to agricultural problems that affect Americans every day from field to table. ARS conducts research to develop and transfer solutions to agricultural problems of high national priority and provide information access and dissemination to:

- ensure high-quality, safe food, and other agricultural products;
- assess the nutritional needs of Americans;
- sustain a competitive agricultural economy;
- enhance the natural resource base and the environment and provide economic opportunities for rural citizens, communities, and society as a whole.

CAHNRS hosts five USDA-ARS research units (Grain Legume Genetics and Physiology; Wheat Health, Genetics and Quality; Northwest Sustainable Agroecosystems; Plant Germplasm Introduction and Testing Research Unit/Western Regional Plant Introduction Station; and Physiology and Pathology of Tree Fruits [Wenatchee]). Scientists from these units are fully integrated into CAHNRS academic departments, research labs, plant growth facilities, and farms. They add immense value to the college as collaborators in research, co-authors on competitive grant proposals, advisors of graduate students, and through a myriad of teaching and service contributions. The relationships between WSU (CAHNRS) and the USDA-ARS is lauded as the gold standard throughout the US.