DEAR ALUMNI, FRIENDS AND SUPPORTERS,

Across the Puget Sound region, people are living better lives, companies are becoming more productive and communities are thriving — and UW Bothell is playing a vital role in their success.

Our deep commitment to community-engaged learning and mutually beneficial partnerships is a core element of our DNA. We don’t just want to get involved with businesses, nonprofit organizations, government agencies and other partners because it’s good for us. We do it because it’s the right thing to do.

That said, it’s great for students. From tying your shoelaces to driving a car, we discover early that most of us learn best by doing. It helps the knowledge “stick”. By applying what they learn in class to real-world situations in our community, UW Bothell students receive an enlightened and relevant educational experience. They not only learn useful information, they also learn how to put it to use.

And it’s equally impactful for our community. In this issue of Inside UW Bothell, you’ll learn how students are helping a local water purification company improve its business, studying ways to keep chronically homeless people safely housed, and developing innovative devices to advance local sustainable farming practices.

Ultimately, our goal is to not only drive innovation, fuel business success and inspire student achievement, but to also improve the lives of everyone who lives here. The support of our loyal alumni, donors and friends makes it possible to shape the future of our region. Thank you.

Wolf Yeigh, Chancellor
GRADUATES OF UW BOTHELL EARN HIGHER SALARIES than the graduates of every other four-year public college and university in Washington, according to a study that examined median earnings one year after graduation for 2008–2012 alumni with bachelor’s degrees.

The Washington Education Research & Data Center (ERDC) conducted an initial study in 2015 that provided a single earnings number for the University of Washington. UW Bothell’s Office of Institutional Research submitted a data request to analyze campus-level outcomes and had its results verified independently by the ERDC.

Chancellor Wolf Yeigh attributes our graduates’ high earning power to the quality of their learning experience, the deep engagement we enjoy with our community, and our position as a regional university.

First, he says, it’s the distinctive practices — cross-disciplinarity, connected learning and community engagement. Our teaching and research cuts across disciplinary boundaries. Learning is built on meaningful, interconnected relationships. And, our students are deeply engaged with the larger community for the beneficial exchange of knowledge and resources.

“Because our undergraduates are involved in research and internships in the community, and because our community has so many opportunities to engage with us on campus, employers know first-hand the quality of prospective employees we produce,” Chancellor Yeigh explains.

UW Bothell’s location in the burgeoning Eastside/Snohomish County high-tech corridor also creates a valuable pipeline for career pathways.

“Our position in the center of one of the most exciting high-tech regions in the nation gives our students a distinct advantage,” the chancellor says. “There are so many opportunities for high-paying jobs with some of the most iconic employers in the nation — many of them right in UW Bothell’s backyard.”

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<th>MEDIAN EARNINGS IN 2013 FOR 2012 GRADUATES</th>
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*Results for 2009, 2010 and 2011 also ranked UW Bothell at the top and ranged from $51,543 to $55,557
ANDY RHEAUME came to UW Bothell’s School of Interdisciplinary Arts and Sciences (IAS) as a single father eager to complete his bachelor’s degree. As an environmental science major, he learned the ins and outs of complex and evolving ecosystems, gaining a broad base of knowledge and skills that formed a solid foundation for his career in municipal utilities.

In 2016, after four years on the Bothell City Council, he won re-election and was appointed as mayor by his council colleagues. As a scientist, policy planner, city councilmember and environmental advocate, Andy works with a wide variety of stakeholders. He credits his interdisciplinary education and the way it challenged him to engage with other students and faculty as formative influences that helped him become a bridge-builder across groups.

“I work closely with engineers, scientists and policy planners. Those three groups don’t always communicate that well. But the background I have from IAS gives me an understanding of how all three of those areas work,” Andy says.

Andy’s background in watershed ecology has informed his work on the council, where he’s focused on everything from transportation issues to the recovery of the area’s Chinook salmon population.

He began his career in environmental science as a program coordinator for the City of Redmond’s Stormwater Utility after graduating in 2004. Later, as a senior scientist for Seattle Public Utilities, he designed tests to study sources of highly toxic chemicals in the stormwater system.

Now he balances his part-time role as Bothell’s mayor with his “day job” as senior planner for Redmond’s Stormwater Utility. It’s a role that challenges him to think long-term about a host of environmental management issues, while drafting the city’s many codes and regulations, and communicating why it all matters to his constituents.

“Being a technical person who knows how to communicate is a huge asset to a municipal corporation,” Andy says. “I owe that to my IAS experience. It’s like a Swiss Army knife degree. It doesn’t give you just one tool. It makes you well-rounded.”
HONORS STUDENT
EXCELS WITH SCHOLARSHIP SUPPORT

BEFORE TRANSFERRING TO UW BOTHELL, Liya Tsegaye had to work two or three jobs to make ends meet as a community college student. It was stressful and exhausting to juggle such a busy school and work schedule.

Liya spoke up about her financial struggles at an information fair for new students on campus. That’s how she learned about a unique scholarship opportunity for transfer students. She applied and quickly got word that the $12,000 Biella Foundation scholarship was hers.

“It was such a relief!” recalls the biology major, a native of Ethiopia who’s studying to become a pharmacist.

Now, instead of having to wait tables, whip up lattes or work a front desk in her “spare” time, the honors student regularly volunteers as a pharmacy assistant at Northwest Hospital — a hands-on opportunity to learn the ins and outs of the profession.

Liya’s interest in pharmacy traces back to a scary experience she had growing up in Addis Ababa, Ethiopia. At age 9, she fell and injured her chin. Her mom rushed her to a hospital, where a nurse stitched up Liya’s badly bleeding wound, and a hospital pharmacist sent her home with the wrong medication. Her chin swelled up, turned green and Liya almost lost consciousness.

“That really shook me and made me appreciate what an important role pharmacists play in the healthcare field,” Liya says. “They’re the most easily accessible healthcare professionals.”

Liya moved to the United States when she was 15, learning English quickly and excelling in high school. After three years of community college, she transferred to UW Bothell last fall. She’s a hard-working and high-achieving student with a 3.7 GPA and dreams of teaming up with a professor on a biochemistry research project next year before graduating and moving on to pharmacy school.

TODAY, SIX OUT OF 10 UW BOTHELL STUDENTS QUALIFY FOR FINANCIAL AID, but only a fraction get the support they deserve because of a lack of funding for scholarships. You can help more students like Liya get a top-notch education by giving to UW Bothell. Learn how at www.uwb.edu/give.
AS A VOLUNTEER in her daughter’s kindergarten classroom, Fredrika Smith couldn’t help but notice that some children seemed a little lost. They weren’t smiling as much or participating as enthusiastically as her little girl.

She wondered why. Was it because English wasn’t their first language? Did they feel unwelcome? What could she do to make them feel more engaged and excited about learning?

Fredrika (who goes by “Deka”) has asked those and countless other questions throughout her career as a teacher, principal, school district administrator and now as superintendent of Monroe Public Schools.

A lecturer in UW Bothell’s innovative Leadership Development for Educators (LEDE) program, Deka is training school principals in how to keep social justice, equity and inclusion at the forefront of everything they do. She draws on years of experience forging strong connections between schools and families in diverse communities.

Deka was studying for her doctorate in education when one of her professors — who had

“We is uniquely courageous in her commitment to educational equity, especially for kids with special needs, English language learners and students from impoverished backgrounds. She really goes the extra mile to figure out how the system can best meet their needs.”

BRAD PORTIN, DEAN, UW BOTHELL SCHOOL OF EDUCATIONAL STUDIES
MUCH LIKE THE EXCEPTIONAL EDUCATORS we train, UW Bothell’s School of Educational Studies is constantly embracing new challenges — always striving to meet the emerging and complex needs of K-12 school systems.

One of many examples: Our Expanding Capacity for Special Education Leadership (ECSEL) program is addressing a critical shortage of qualified special education managers in public schools.

“Districts have a hard time finding and retaining people who have the unique set of skills to do this work,” says Dean Brad Portin. “You need someone who’s a strong leader, who’s incredibly mindful of all the federal and state regulations, and who truly understands the needs of special education students and families.”

We’ve added a special education endorsement that general education teachers can earn online so they can more confidently and effectively support students of all abilities in their classrooms.

A rigorous English for Speakers of Other Languages (ESOL) endorsement is now embedded into the education master’s degree with a series of courses that exceeds state standards.

And future elementary school teachers graduating with a new bachelor’s degree in Educational Studies will be the first group required to complete their K-8 endorsement with a certification in either special education or ESOL.

“We believe that every teacher is a special education teacher and a second-language teacher,” Dean Portin says. “No matter what level you teach or where, you’re going to have students with special learning needs and those who are learning to speak English.”

recently been tapped to lead UW Bothell’s growing teacher training program — invited her to a roundtable of educators whose ideas shaped the LEDE program.

Asked why he chose Deka, School of Educational Studies Dean Brad Portin says: “She is uniquely courageous in her commitment to educational equity, especially for kids with special needs, English language learners and students from impoverished backgrounds. She really goes the extra mile to figure out how the system can best meet their needs.”

Deka relished the opportunity to reconnect with UW Bothell, where she earned her bachelor’s degree in our liberal studies program in 1994 as a working mom. Taking classes on evenings and weekends, she gave birth to her third daughter during finals week right before graduating.

Now in her sixth year of teaching at UW Bothell, Deka looks back and raves about the high expectations, individualized support and encouragement her instructors gave her while she was a student here. She uses the same approach with her LEDE students, insisting she learns as much from them and her fellow instructors as they learn from her.

“Being here on this campus with the level of people I have the privilege of spending time with makes me that much more confident — in my own leadership and in the future of our school systems,” Deka says.
LEARNING

THAT MAKES A

DIFFERENCE

WHICH WORKS BEST
to ensure that people who have been homeless for years can one day live well and thrive off the streets — living in apartment communities with others who once were homeless or living among the broader community?

What can small, nonprofit, sustainable farming organizations do to make sure they use the most environmentally responsible technology for their operations?

How can students learn how their future careers might fit into the context of a great big, interconnected world full of diverse people, viewpoints and experiences — and how they might best make a difference?

The answer? Community-based learning and research (CBLR), an organized and strategic approach to giving students the opportunity to learn by doing while performing valuable services for deserving community organizations.

“When students are engaged in learning that goes back and forth between the theory they learn in class and the practice they gain in the community, it deepens their learning. They retain knowledge and can apply it better in their future professions because it’s relational and experiential learning,” explains Kara Adams, interim director of the Office of Community-Based Learning and Research.

By Teresa Moore
JOINING WITH THE COMMUNITY, STUDENTS SUPPORT OTHERS WHILE GAINING REAL-WORLD SKILLS
LAUREN FAY graduated from UW Bothell in 2007 and soon found her first career job at the nonprofit Downtown Emergency Services Center (DESC) in Seattle. “I knew immediately it was where I belonged,” she says.

Working with chronically homeless people — most of them with mental illness and/or addiction issues — came easily to her. She liked helping them solve problems and guiding them to permanent homes.

Her own rich experience at UW Bothell, with the blend of “all my passions” she found in an Interdisciplinary Arts and Sciences degree, led her to reconnect with the University and invite students to get involved in an important research project.

DESC is partnering with DePaul University in a three-year project to determine the best housing options for different DESC clients. They want to understand what leads to better quality of life and longer retention of housing — living with other formerly homeless people in DESC-owned buildings where they receive centralized support, or living in apartments scattered throughout the city with support services brought to them.

UW Bothell students will be among the research assistants who meet with prospective participants while they’re still homeless to determine if they meet the criteria to participate in a human-subject study. After DESC clients move into housing, the student researchers will then follow up with detailed questions and survey instruments at three- and six-month intervals.

“When you are working with people who are experiencing homelessness, serious mental health issues, poverty, human rights issues and discrimination, it’s really important that the people you bring in as student researchers understand them,” says Lauren. “I just knew, based on my own experiences, that the coursework and the guidance of the professors at UW Bothell produce students who are able to understand all those complexities.”

AS AN ENGINEER with a doctorate in political economy and international studies, Professor Steve Collins brought a unique perspective to designing a course called The Citizen Engineer.

“I wanted the class to open students’ minds to the world beyond engineering,” he says. “There’s more to healthy existence than having the latest technological gadget. Those gadgets help to shape our lives, our politics. As engineers, we have the capacity to reshape the technological trajectory of society.”

He chose sustainable agriculture as the focus of the course — at first glance, not something particularly in sync with engineering. But the CBLR office connected students with five different local farming nonprofits and relied on the students’ creativity to take it from there.

Joshua Hurley, a senior studying mechanical engineering, is part of a group working with Farmer Frog, a nonprofit that promotes environmentally responsible technologies for sustainable small-scale farming. Their task — which he and several other students adopted as their capstone project — is to develop a renewable energy source for an aquaponics system, which combines aquaculture and hydroponics to grow both plants and fish in nutrient-rich water. They decided to explore wind and solar power.

“The pumps for an aquaponics system need to run constantly. They take a lot of energy,” explains Joshua. “Our biggest challenge was determining the feasibility of collecting wind and solar power where we don’t get a lot of consistent wind or sunshine to generate energy.”

Students’ engineering skills weren’t all that came into play. They had to put together a budget, manage all aspects of the project, communicate clearly and be accountable to their client at every stage — everything they’ll encounter as professional engineers.

Joshua says Collins’ course on ethics in engineering lent a unique perspective to the project.

“We have to start effecting change now and that means looking at sustainability,” he says. “This project mixes both sustainable food production and sustainable energy. The group designed a scalable solar solution that allows Farmer Frog to sell excess energy back to the utilities during summer months.

For Joshua, Lauren and thousands of UW Bothell students and alumni just like them, learning by doing has the extra added benefit of making a real difference.
UW Bothell, our students and our business partners are making an incredible impact — on each other, the region, Washington and the world

**WHEN HALOSOURCE** executives Martin Coles and Erik Baserman decided they needed a deeper analysis of how their business could fuel future growth, help was no farther — almost literally — than their own backyard.

The Bothell-based company turned to the UW Bothell School of Business, where Martin serves as a member of the Advisory Board.

“HaloSource benefits as students help us evaluate what our manufacturing footprint should look like during a high-growth phase of our business and make recommendations to shape the future of our company,” explains Erik, who sits on the Advisory Board for the School of STEM.

Local or global, the two men say UW Bothell has carved out a unique identity in preparing students who “hit the ground running” to make an immediate difference in the companies they’ll work for one day.

“UW Bothell is a very progressive school that understands the critical role it plays as a regional university in the heart of a biotech center of the United States,” Martin says. “One way they succeed is by connecting with businesses to ensure that their programs set students up for success in post-college employment.”

Erik, the company’s chief technology officer, says one reason he and Martin are engaged with the University is “because whatever you put in, you get a tangible benefit back. UW Bothell has a material impact on how well we do as a region.”

“And it feels great to know we’re helping to make a real difference for students,” Martin concludes.

“UW Bothell is a very progressive school that understands the critical role it plays as a regional university in the heart of a biotech center of the United States.”

**MARTIN COLES**
**PRESIDENT, CEO AND DIRECTOR OF HALO SOURCE**
Undergrads compete for a shot at forging high-tech solutions to real-life dilemmas

**TEAMING UP WITH MICROSOFT.** UW Bothell posed an exciting challenge to undergraduates: Zero in on a problem that affects the day-to-day lives of people on campus or anywhere in the world, and then solve it by designing a network of Internet-connected devices.

In multi-disciplinary teams, students submitted a host of great ideas in hopes of winning one of two “Internet of Things” research grants Microsoft awarded for the first time ever to UW Bothell students.

Funded in part by UW Bothell’s Worthington Technology Endowment, the prize included research stipends for each student and up to $10,000 for hardware, sensors and other technology. Students had just four months to research their bold ideas.

One of the two winning teams started out thinking about a quandary that’s a daily struggle on a growing campus where most students are commuters: how hard it can be to find a parking spot.

Eager to have an even bigger impact, the team made up of three computer science students and one informatics major shifted their focus to creating the infrastructure that would make all kinds of real-time data readily available to anyone — from energy usage in campus buildings to “heat maps” that could help students quickly find available places to study.

Computer science senior Frank Skyler Kidd sees their project as a starting point that could empower any number of problem-solving software developers or researchers.

“We’re going to be continually adding to this,” Frank says. “It’s going to be a library that keeps growing.”
The other winning team set out to create a “smart grid” that would spare rural villages in India from unpredictable waves of power outages, which disproportionately plague impoverished communities.

Instead of large swaths of a power grid going dark every time demand exceeds supply, a network of low-cost, credit card-sized computers could allow power to be turned off remotely and selectively.

“This would enable public utilities to cut power with almost scalpel-like precision,” says Kiran Gurajala, a junior studying math and computer science. Kiran comes from a coal mining town in India where his family used to get electricity for only about eight hours a day.

Two faculty mentors and two liaisons from Microsoft praised both teams for embracing the opportunity to think big-picture, beyond their areas of expertise. Math, computer science and electrical engineering majors on the smart-grid team, for example, learned about legal and regulatory hurdles from a teammate double majoring in global studies and law, economics and public policy.

Both teams also got high marks for their pioneering spirit.

“This wasn’t about forging a road on already mapped land,” says Microsoft’s Colin Kwong. “This was them saying they’ll venture out beyond what others know. Both teams demonstrated incredible energy, expansive thinking yet focus for real-world issues.”

“**The Internet of Things has the potential to fundamentally shift the way we interact with our surroundings. The ability to monitor and manage objects in the physical world electronically makes it possible to bring data-driven decision making to new realms of human activity — to optimize the performance of systems and processes, save time for people and businesses, and improve quality of life.**

MARY HOWISEY jumped at a golden opportunity to give back to UW Bothell a couple years after graduating in 2002. UW Bothell had no Alumni Council at the time, so then-Chancellor Warren Buck invited her and several other enthusiastic alumni to create one. "It was a great way to stay connected and to be able to share the amazing experience I had at UW Bothell with others," says Mary, who earned her bachelor's degree in society, ethics and human behavior.

A go-getter group of MBA students in a project management class organized one of the first big events the Alumni Council approved: UW Bothell's inaugural Husky 5K, an annual race that's raised more than $130,000 for student scholarships over the last decade.

Mary and Michelle Huynh, a 2010 MBA graduate, have each played instrumental roles in the success of the Husky 5K. They've volunteered year after year, helping to secure sponsors, rallying people to participate and managing race-day logistics.

Michelle's participation comes with a deep sense of gratitude. She earned her degree with support from a UW Bothell scholarship.

"It's so critical to give back to the fund that helped me complete my degree," says Michelle, who now represents UW Bothell on the University of Washington Alumni Association Board of Trustees.

"It wasn't until I finished my MBA that I understood how important it is to have a community that supports you," she adds. "Joining the Alumni Council has been a great opportunity for both personal and professional growth." W

The Husky 5K is one of many events happening during UW Bothell's second annual Alumni Weekend this year, May 6-8.

See the back page for details about the alumni weekend.
Been anywhere awesome lately and want to see yourself in our Faces in Places section? Email your high-res photo to uwbalumn@uw.edu.

1. Eleanor Wort (IAS ’15) enjoying a beach in Hawaii.

2. George Lampe (Business ’10) explores the Dynjandi waterfalls in Iceland with his girlfriend.

3. Mina Hooshangi (IAS ’11) taking a selfie with her mom on the shores of Oahu, Hawaii.

4. Jake Tadema (Economics ’06, TMBA ’14) enjoys his throne at the Consumer Electronics Show in Vegas.

5. Laurel Williams (IAS ’15) flying a kite on the ocean front in Oregon.

6. Gabriella Cocco (IAS ’14) sailing the great blue sea!
SAVE the DATE!  
www.uwb.edu

CHANCELLOR’S RECEPTION
FRIDAY, MAY 13, AT MCMENAMINS ANDERSON SCHOOL

JOIN US AS WE HONOR YOU — our loyal alumni, donors and community supporters — at the annual UW Bothell Chancellor’s Reception on Friday, May 13.

This year’s event will be held at the lovely, restored McMenamins Anderson School in Bothell. Enjoy local wine and beer tastings, a silent auction and a three-course wine-tasting dinner. This year, we are proud to honor Legacy Award recipients Chancellor Emeritus Kenyon Chan and Professor Shirley Hune for their many years of dedication and financial support to the students of UW Bothell.

TICKETS ARE $125 PER PERSON.
Watch your mailbox and inbox for more details.

STAY UP TO DATE ON ALL ALUMNI ACTIVITIES BY VISITING www.uwb.edu/alumni/events or learn more by emailing uwbalumn@uw.edu.

You can also sign up for our alumni e-newsletter, become a mentor or a guest lecturer, or volunteer for Alumni Council committees.

UW BOTHELL ALUMNI WEEKEND!

▲ WINE TASTING IN WOODINVILLE!
Friday, May 6, 2016 | 5:00 p.m.
Meet up with fellow alumni at UW Bothell before jumping onto a charter bus. We will travel around to different Woodinville wineries, sipping on delectable reds and whites!

▲ 11th ANNUAL HUSKY 5K
Saturday, May 7, 2016 | 9:00 a.m.
Join alumni, students and community members for the 11th annual UW Bothell Husky 5K! This event includes a finish line breakfast, tons of sponsor giveaways, a special guest, and more!

▲ UW BOTHELL BLOCK PARTY
Saturday, May 7, 2016 | 3:00-8:00 p.m.
With over 800 in attendance, last year’s Block Party was a huge success! This 21+ event will have beer and food from local businesses and some of the Northwest’s best bands!

Questions? Contact uwbalumn@uw.edu

Mark your calendars today and stay up to date by visiting www.uwb.edu/alumni/events

UNIVERSITY of WASHINGTON | BOTHELL
ALUMNI OFFICE

The University of Washington is committed to providing equal opportunity and reasonable accommodation in its services, programs, activities, education and employment for individuals with disabilities. To request disability accommodations, please contact Disability Resources for Students at 425.352.5307, TDD 425.352.5303, FAX 425.352.3581, or email uwb-dr@uw.edu.

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