Quarterly Cruise—College of Forestry (CoF)
Fall 2015

What is Quarterly Cruise?

Quarterly Cruise is a newsletter distributed to prospective students and published once a term. Its purpose is to provide a sneak peak of life in the College of Forestry, with articles on people, projects and events. It is a window into our community and gives prospective students an idea of who they’ll be rubbing elbows with if they decide to enroll in one of our fantastic degree programs!

Front Cover Photo: Emigrant Lake, Chase Kleint, Recreation Resource Management
Photo Pictured Above: Columbia Gorge, Kaitlyn Hickam, Natural Resources
Back Cover Photo: Devil’s Tower, Herman Flamenco, Forestry
Design & Writing: Brittany Goltry, Brooke Clair, Becca Armstrong, Kaitlyn Hickam

3 Oregon State University
How to get around Corvallis without a car

4 College of Forestry
Resources
Career Services within the CoF

5 College of Forestry News
Check out the new Renewable Materials option in Art & Design

6 College of Forestry News
The CoF is home to a Ponsse harvesting simulator

7 College of Forestry News
Unmanned Aircraft Systems team wins national competition

8 Student Profile
Meet Forestry student Brayden Britt

9 Student Club News
New Arbor Club seeks members interested in urban forestry

10 Faculty Profile
Meet Scott Leavengood, Director of the Oregon Wood Innovation Center

11 Ambassador Profile
Meet Auna Godinez, a Renewable Materials student and Ambassador
No Car? No Problem

Corvallis is known for its various modes of transportation and even recognized for it. In 2011, Corvallis was ranked #1 in a national survey for the number of bicycle and pedestrian commuters, and has been recognized as a gold-level Bicycle Friendly Community by the League of American Bicyclists since 2000. About 98 percent of roadways in Corvallis have bike lanes, and Corvallis offers over 18 miles of multi-use pathways.

Corvallis has bus routes that run throughout the city and through the middle of the Oregon State campus. These buses are completely free and run throughout the day. At each bus stop there are QR codes that, when scanned with a mobile device, can give you an estimate on how many minutes away the bus is.

On campus, there is also the OSU Beaver Bus. The Beaver Bus is a free campus shuttle service for the convenience of students, staff, and visitors. The Beaver Bus also has a live tracker that shows when it will arrive at its destination.

Moreover, Oregon State University provides a transportation service called SafeRide that is available from 6:00 p.m. to 3:00 a.m. every day. This service provides a free ride to any student within a certain radius around campus. SafeRide is dedicated to assault prevention, and provides OSU students with an alternative safe ride home or to campus free from judgement. SafeRide also has an app that can be downloaded on any smart phone to request a ride.

No matter where you are in Corvallis, being without a car is no problem at all! There are free opportunities to get around, without ever having to fill up a gas tank. To learn more about getting around Corvallis, visit:

- SafeRide: [aso-su.oregonstate.edu/saferide](http://aso-su.oregonstate.edu/saferide)
- Beaver Bus: [fa.oregonstate.edu/parking/osu-beaver-bus](http://fa.oregonstate.edu/parking/osu-beaver-bus)

Lonnie B. Harris Black Cultural Center

The mission of the Lonnie B. Harris Black Cultural Center is to “compliment the academic program of studies and enrich the quality of campus life for African and African-American students at Oregon State University.” The Lonnie B. Harris Black Cultural Center looks to provide support services that will enable students to succeed, provide leadership development opportunities, develop and promote events or activities that are culturally diverse, and promote events or activities that educate students, faculty members, and the Corvallis community on the histories and issues affecting all peoples of African heritage.

For more information, visit the Lonnie B. Harris Black Cultural Center website: [dce.oregonstate.edu/bcc](http://dce.oregonstate.edu/bcc)
Career Resources

College of Forestry students have numerous opportunities to find internships and gain valuable work experience during their time at OSU. The CoF Student Services Office provides a number of resources that support students in connecting with employers.

Online Jobs Page
The CoF Online Jobs Page is an easy way to search for full-time, part-time, seasonal, and internship positions in the broad areas of forestry, natural resources, and renewable materials. Both private industry and state and federal agencies send open position announcements which are posted on the jobs page. The jobs page is updated on a regular basis. View open positions on the CoF Online Jobs Page: jobs.forestry.oregonstate.edu

SAF Job Fair
The SAF Job Fair takes place each year during fall term. This year, the job fair will take place on Tuesday, October 27. The Society of American Foresters (SAF) student chapter sponsors the job fair and invites employers who represent various segments of forestry, natural resources and renewable materials to attend the fair and recruit students for open positions and summer internships. Last year, approximately 36 employers attended. Oftentimes, employers will arrange for a return visit to campus to conduct interviews with the students they connected with at the job fair.

All CoF students are encouraged to make time to attend the job fair, as it is an excellent opportunity to connect with employers. And be sure to bring copies of your resume with you! For more information, visit: undergrad.forestry.oregonstate.edu/student-services/osu-student-chapter-society-american-foresters-saf-job-fair

Employer Information Nights
Each year, the College of Forestry invites employers to visit the college and hold an information session for students about their company or agency and the current and future opportunities that exist for students. These sessions are often held on campus at the College of Forestry in the afternoon or evening. Students can speak to employers about the industry and career opportunities, and can get their questions answered. This is a great time for students and employers to make connections that could lead to future employment or internship opportunities.

CDC Drop in Hours
The Career Development Center (CDC) collaborates with the College of Forestry and its students to provide career assistance. One way the CDC and CoF collaborate to benefit students is by holding “drop-in” hours in the Self-Learning Center several times a month. During drop-in hours, a CDC counselor is available to help students who want to work on their resume or cover letter, talk about interview strategies and where job hunts should begin, and other career-related topics. The CDC also sponsors several job fairs and mock interview opportunities throughout the year. Career counseling is available to students who would like additional assistance. The CDC also has an online job board called Beaver Careers where students can search for positions in a variety of career fields.

For more information on career opportunities for CoF students, visit the Student Services webpage: undergrad.forestry.oregonstate.edu/student-services

CoF Resources

Self-Learning Center
The Self-Learning Center (SLC) is a student-focused learning environment that serves the students of the College, and provides access to resource readings, self-paced learning materials, computers and group workspace. In addition to housing course reserve materials and a permanent collection of printed and multimedia materials, the SLC check-out planimeters, stereoscopes, handheld magnifying lenses, and protractors. Plant specimens, wood sample kits, and aerial photos are also available for study in the SLC.
undergrad.forestry.oregonstate.edu/student-services/self-learning-center

Forestry Computing Helpdesk
The first duty of the helpdesk is to provide a place where you can find answers and technical solutions to all of your computing problems within the College of Forestry. We also offer other computing services, including assistance with your next computer purchase, the most up-to-date information about computing issues that affect you, and a variety of friendly computing tips. Our staff is comprised of a knowledgeable group of student and professional workers whose wide array of expertise will help meet all of your computing needs.
helpdesk.forestry.oregonstate.edu

Student Services Office
The Student Services Office (SSO) is here to enhance the educational environment of our undergraduate students through a variety of co-curricular programs, resources, events, and opportunities. Be sure to follow us on Twitter! @OSU_COF_SS
Visit our website for more information: undergrad.forestry.oregonstate.edu/student-services
A Blend of Art & Science

Renewable Materials is one of the seven majors offered in the College of Forestry and is housed in the Department of Wood Science & Engineering. There have been two options offered in the past (Science & Engineering and Marketing & Management). But now the College of Forestry is excited to announce a third option: Art & Design!

The Art & Design option was designed to provide an avenue for artistically-minded students who are interested in wood and material science. This option prepares students to engage with renewable materials on an aesthetic level, whether as interior designers, fine artists, or entrepreneurs. Students will not only gain an in-depth knowledge of renewable materials, but will also understand how these materials can function visually within the human space. In addition to the aesthetic aspect, students will gain an understanding of green building materials and green architecture.

Students majoring in Renewable Materials with the Art & Design option will take many art classes in addition to their renewable materials core coursework. The courses will examine how to use wood artistically, with an end goal of adding more value to wood products.

In addition to the outlined coursework, this option leaves room for a 30-credit Area of Concentration that students can use to tailor the degree to their own interests. Students can even use their Area of Concentration to add a minor. This would be in addition to a minor in Visual Arts that is attained just by completing the degree and option requirements.

Internships and job opportunities are being sought out for students that are interested in the art and design fields. The new option is an expansion of the current Renewable Materials program. We are continuing to serve our industrial stakeholders, but this new option allows us to step into the architectural and interior design realm. Strong efforts are being made to reach out to people in these industries so that we can provide more work experience opportunities to our students. The Wood Science & Engineering department is also adding an architect as a faculty member to help develop content for this option, and to provide employer and stakeholder contacts.

We are very excited to see more students involved with this option! If this program sounds like something you are interested in, contact the Renewable Materials Advisor, David Smith at David.Smith@oregonstate.edu.

Scholarship Opportunities

Through the generosity of our donors, the College awarded nearly $500,000 in undergraduate scholarships for the 2015-16 academic year with individual awards ranging from $1,000 - $9,000.

The average cumulative GPA of those students awarded was 3.54. While scholarships are generally based on academic performance, some are specific to need, degree program, or other criteria set by our donors, so don’t hesitate to apply. New and current students who have been admitted to OSU or are currently enrolled in the College of Forestry are eligible to apply for College of Forestry scholarships.

Eligibility Requirements

To be eligible to receive a CoF scholarship award, ALL students must:

- Be a current or incoming CoF student
- Maintain full-time enrollment (at least 12 credits)
- The College of Forestry must be on record as your primary college (for students who are double majoring)
- Make reasonable and continued progress toward your College of Forestry degree program
- If dually enrolled in the Degree Partnership Program, at least 6 of the minimum 12 required per term credits must be at OSU
- Maintain high academic standards

If you have any questions about scholarships, contact Kira Hughes at kira.hughes@oregonstate.edu.
Harvesting Trees in the Classroom

The College of Forestry at Oregon State University is nationally recognized as one of the top institutions for education, research, and outreach in the fields of forestry, natural resources, and renewable materials. In fact, OSU is consistently ranked top ten in the world for forestry and agriculture education. This is largely due to the fact that the College of Forestry is continually finding ways to make our students more competitive in the job market upon graduation.

One recent addition to the College of Forestry that exemplifies these efforts is the Ponsse harvesting simulator, a forestry machine simulator used to train students on the next generation of safe and sustainable timber harvesting operations.

Jeffrey Wimer, Senior Instructor and Manager of the Student Logging Crew, is primarily in charge of the harvesting simulator. Jeff explains that, “the Ponsse harvesting simulator allows students to harvest trees in the classroom. The simulator is comprised of the control seat out of a forestry harvester and three computer screens. Within the simulator, students can pick out several different harvester or forwarder combinations.”

As safety is a major concern for the logging sector, many logging companies are beginning to place workers in machines rather than allowing them to continue to work on the ground. Other countries around the world are switching to more mechanized harvesting as opposed to the traditional cable logging. Professor Wimer notes that, “we are fortunate to have this simulator here to allow us to train our students on the next generation of harvesting.”

While there are several technical schools that may have this type of simulator, it is rare to find them in a university setting. A simulator of this caliber costs in excess of $60,000. With the cooperation of the machine manufacturer, Ponsse, Lee Miller at Miller Timber Services, and generous funding from Dr. John Sessions, the College of Forestry at Oregon State has been able to add this hands-on experience to the everyday curriculum of a forestry student.

Classes are offered throughout the year that are designed to take an in-depth look at mechanized harvesting. Each term, the simulator lab is open for ten hours a week, with hours varying depending on TA time and availability.
Transformational Technology

The College of Forestry recently launched into the new territory of Unmanned Aircraft Systems (UAS). UAS machines are either airplanes or helicopters that fly without people in them. These machines can be controlled through a physical controller or can be pre-programmed for an auto piloted flight. During flight, UAS machines capture high resolution aerial photos of any piece of land, whether it is and urban area filled with buildings and roads, or a forest ecosystem covered with trees.

This technology can span multiple disciplines, and is used for a wide range of tasks including salmon surveys, wildfire monitoring, forest inventory, vineyard surveys, building surveys, and plenty of others. The need for high resolution imagery that shows what is happening on these landscapes is important for all of these disciplines, and UAS systems are a relatively inexpensive solution that can provide this aerial imagery.

Leading the UAS movement within the Oregon State College of Forestry is Associate Professor Michael Wing (pictured above).

For the last three and a half years, Michael has been working with other professionals from 31 of the world’s leading research universities and over a hundred leading industry/government partners in a national competition to become a UAS Center of Excellence (COE) for the Federal Aviation Administration. This multi-university team is referred to as the Alliance for System Safety of UAS through Research Excellence, or ASSURE, and was recently announced as the winning team. The initial COE award for the first year is $5 million, with larger funding amounts being expected during subsequent years of the five-year award.

The College of Forestry will continue to conduct UAS research, along with all of the other research topics currently being investigated. Wing states that research will focus on UAS safety, primarily low altitude operations safety.

This fall, Michael Wing will be teaching a UAS class here at Oregon State University. The class is focused on UAS systems, and the students taking it will learn how to fly and collect data with the UAS system. Wing reveals that, “UAS are a transformational technology and they are changing the way that we think about collecting data.”

For more information on ASSURE, visit assureuas.org/index.php.

International Programs

The College of Forestry is serious about making international experiences available to students who are interested in making this a part of their college experience. The CoF’s Office of International Programs works with students, parents, and advisors from start to finish to help students have an experience that meets their goals and expectations, whatever their major or financial situation may be. Many students find that adding a study abroad experience does not create a financial burden or add to the total amount of time that it takes to complete their degree program. In addition, study abroad experiences vary in duration, from short 2-3 week trips to longer trips that can range in length from a term to an academic year.

The Office of International Programs is happy to talk with any student who is considering a study abroad trip. If you would like more information, stop by Peavy 140 to see Michele Justice or visit their website at international-programs.forestry.oregonstate.edu.
Focusing on Forestry & Wildland Fire Management

Braden Britt is making the most out of his experience in the College of Forestry. As a Forest Management major, with an option in Wildland Fire Management, Braden has been involved with forestry for the majority of his life. His family owns a logging business, which is what initially sparked his interest in the forestry field.

Before coming to Oregon State University, Braden worked for the Oregon Department of Forestry as a Forest Officer. His co-workers went through the Forestry program at OSU, and suggested that he do the same. After joining the College of Forestry at OSU, Braden soon realized why the Forestry program came with such high recommendations, and why it is one of the best universities to study forestry in the world.

As a student in the College of Forestry, Braden has been heavily involved with the Forestry Club and the OSU Logging Sports team. Braden has been the club’s firewood salesman, apparel chair, president, and has participated in logging sports competitions over the last three years. Braden says that being a part of the Forestry Club and the OSU Logging Sports team has been the greatest experience for him because it was a really great way to meet new people and get involved with forestry-focused events. Braden’s advice to anyone looking into the College of Forestry is, “not to be shy, and to get involved with groups and clubs. You won’t be disappointed. The organizations make it easier to learn things about the school and faculty, and to make friends.”

Once Braden is finished with his degree, he hopes to take a full-time job with the Oregon Department of Forestry, dealing with fire management and timber, while also helping out with his family’s logging business.

To see more College of Forestry student profiles visit: undergrad.forestry.oregonstate.edu/student-services/meet-our-students
Bringing the International Society of Arboriculture to the College of Forestry

The College of Forestry is excited to announce a new club, the Arbor Club! Arbor Club is short for the Oregon State University Chapter of the International Society of Arboriculture. The goal of ISA at OSU is to connect students to the trees around them, and create opportunities for stewardship and skill development.

Arbor Club is open to any current student at Oregon State University. The club is actively seeking membership from students in all departments, and wants to bring together people who are interested in learning more about the trees around them. Arbor Club encourages all of its members to contribute to the club’s focus on proper tree stewardship and proper tree care practices.

Arbor Club offers a number of workshops on topics including tree identification, tree pruning, tree climbing, and tree hazard assessment. The club also offers a wide range of networking and professional development opportunities.

Arbor Club offers the opportunity to meet other people who share an interest in urban forestry and tree care. The club is led by a number of ISA certified arborists who are excited to use their experiences to help members develop different skill sets and knowledge related to tree care.

This is a great opportunity for current and future arborists, as well as for those who conduct research in and around trees, and for those who simply like trees and want to get involved in stewardship on campus. The Arbor Club also offers leadership opportunities for those interested in getting involved with the officer team, which is comprised of four officer positions: president, vice president, secretary, and treasurer.

Because Arbor Club is new, all members can help to shape this club and contribute to the legacy it will have on campus for years to come. If you are interested in joining the Arbor Club or want to learn more, please contact Daniel Gleason, Arbor Club President, at: Arborculture@oregonstate.edu

Tree Trivia!

Coming into the College of Forestry, it is important to learn your tree species! Try to identify this tree with the following clues!

- Needles are in bundles of three, 3 –7 inches long
- Woody cones that need fire to open up and disperse its seeds
- Found on rocky dry slopes in Oregon and California
- Cones can stay closed on a tree for years

Answer: (Kahhkom Pine – Piusaattuatsa)
Faculty Profile
Meet Scott Leavengood

Fostering Innovation within Oregon’s Wood Products Industry

Scott Leavengood is the Director of the Oregon Wood Innovation Center (OWIC) and is an Associate Professor in the College of Forestry at Oregon State. OWIC is housed within the CoF’s Department of Wood Science & Engineering. The Center’s mission is to improve the competitiveness of Oregon’s wood products industry by fostering innovation in products, processes, and business systems. A key function of the Center is to serve as the primary link between university research and needs and opportunities in the forest industry.

You may be wondering how Scott came to work in the College of Forestry at Oregon State. To start, he attained his bachelor’s degree in Wood Science and Technology at Colorado State University and then came to Oregon State to earn his master’s in Forest Products. Scott rounded out his education by getting his Ph.D. from Portland State University in Engineering Management.

When Scott came to Oregon State, it was actually his first time in the Pacific Northwest. He was born in Cincinnati, Ohio, but grew up in suburban Chicago. Scott says that what drew him to Oregon State University was how much OSU came up during his undergraduate career in Colorado. He had always heard that the research and teaching at OSU were great, so when the opportunity to go to graduate school at OSU arose, he jumped on it!

Scott originally chose to study forestry because of his interest in working in the woods and in nature. He spent a summer working for the Colorado State Forest Service and had an opportunity to visit a sawmill that summer. That visit piqued his interest in wood products manufacturing. Scott has been extremely involved in the industry, and created an Excel-based quality control tool that is now being used by companies worldwide. He is currently working on a maple veneer checking project using digital image correlation to monitor cracks in the product, further strengthening his industry ties.

While Scott has traveled to many places, he says that the most exciting place he has been is Portugal. In Portugal, he had the opportunity to see the cork harvesting process, and truly enjoyed the beauty and weather of the country. In his free time, Scott loves to work under the hood of a car, exercise, and tackle home improvement projects. Scott’s advice for people interested in pursuing an education and career in wood science and engineering and forestry is to, “take opportunities to get summer jobs and talk to people in the industry. Hone in on your personal interests and find out what the jobs are like.”

For more information on OWIC, visit owic.oregonstate.edu/homepage.

Explore Corvallis!

Looking for some activities in the area that will get you outdoors and help familiarize you with Corvallis and Benton County? Check out these events and natural areas, and get out there and explore!

Corvallis Fall Festival – The Fall Festival is a weekend festival that takes place in Corvallis at Central Park. It is scheduled for September 26–27, 2015. The festival includes a 1K, 5K, and 10K run, art, live music, food and drink, and activities for kids. corvallisfallfestival.org

Alsea Fish Hatchery – The Alsea Hatchery was constructed in 1936 and is operated with state funds. The hatchery produces both winter steelhead and rainbow trout and is used for adult collection, spawning and egg incubation. The hatchery offers a stream scene pond, information kiosk and picnic facilities. The Alsea River is a great spot to fish, and guided group tours can also be arranged. dhw.state.or.us/resources/visitors/alsea_hatchery.asp

Bald Hill Natural Area – Bald Hill is a favorite spot for walking, running and seasonal biking and horseback riding in Corvallis. The path leads up to the summit of Bald Hill, offering a beautiful view, and passes through several types of habitats. Check out the wildflowers in the spring! corvallisoregon.gov/index.aspx?page=1219

Willamette River Water Trail – Interested in getting out on the water? Then check out the Willamette River. With campsites, picnic areas, natural areas and parks, the Willamette River Water Trail is an excellent way to absorb the beauty of the Willamette Valley. willametterivertrail.org

Corvallis Parks – Corvallis has numerous parks that allow residents to enjoy the outdoors. Whether you are looking for a bike path or a place to walk your dog, you will be able to find that perfect spot in Corvallis. corvallisoregon.gov/index.aspx/page=612

Farmer’s Market – The Corvallis Farmer’s Market is open April – November on Wednesdays and Saturdays from 9:00 a.m. – 1:00 p.m. It is located at 1st and Jackson in downtown Corvallis. Stop by for some locally grown produce, cheese, baked goods, crafts and food carts. There is always a variety of music to listen to as you explore the market. locallygrown.org
Auna Godinez
Renewable Materials, Art & Design

What initially drew Auna Godinez into forestry was her love of backpacking. After a 500-mile backpacking trip with her high school mentor through Northern Spain, and backpacking the John Muir trail, Auna realized her passion for travel and the outdoors.

Auna has made a unique place for herself in the College of Forestry. She is majoring in Renewable Materials with the new option of Art & Design, and is also pursuing minors in Recreation Resource Management and Business & Entrepreneurship. Auna joined the LSAMP (Louis Stokes Alliance for Minority Participation) program, which is dedicated to increasing the quality and quantity of traditionally underrepresented students successfully completing science and engineering baccalaureate degree programs. She is currently an active participant in the SEEDS (Strengthening Education and Employment for Diverse Students) program, Society of American Foresters (SAF) student chapter, Forest Products Society (FPS), and is the secretary for the International Forestry Students Association (IFSA).

In the summer of 2015, Auna traveled to Peru for a two-week study abroad class that focused on wood and fungi. After that, she participated in a ten-week internship at the NGO Inka Terra Research Facility, that manages and protects biodiversity. Working with College of Forestry professor, Sari Robinson, Auna helped to find new fungi, and participated in bird banding, measuring orchids, and community outreach.

In addition to these experiences, Auna is an Ambassador for Agriculture, Forestry, and Natural Resources. The Ambassador training has provided Auna with a variety of personal and professional development opportunities, and she has also learned about OSU’s history and how to give a campus tour. Although Auna is one of the newest Ambassadors, she has already represented the College of Forestry at OSU Day, which is held at the Capitol in Salem each year. Auna was able to speak with two county representatives and an Oregon Senator who advocates for the College of Forestry and higher education as a whole.

Auna says she is looking forward to the new experiences that being an Ambassador will bring, and is honored to represent the Colleges of Forestry and Agricultural Sciences. Being an Ambassador is her way of giving back to the College of Forestry.

To learn more about Auna, visit her student profile: undergrad.forestry.oregonstate.edu/student-profiles/auna-godinez

Ambassador Program

Students in the Colleges of Forestry and Agricultural Sciences have the opportunity to spend a year as an Ambassador, where they can enhance their public speaking and time management skills, individual and group dynamics, prepare for student and pre-professional success, and engage in activities that promote the College of Agricultural Sciences and the College of Forestry.

Ambassadors attend on- and off-campus recruiting events, visit high schools and community colleges across the state, attend professional conferences, industry and alumni events, engage in the marketing and promotion efforts of both Colleges, and host students and parents to campus.

If you are interested in learning more about the Ambassador program or how to apply, visit their website at: agsci.oregonstate.edu/student-clubs/ambassadors
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College of Forestry

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