



Summer 2023

NEWSLETTER

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A MESSAGE FROM THE DEAN,

JOHN KATERS

The College of Science, Engineering, and Technology (CSET) has many outstanding undergraduate programs in Human Biology, Natural and Applied Sciences, and the Richard J. Resch School of Engineering. However, CSET also offers seven graduate programs, including the two newest in Biodiversity Conservation and Management and Nutrition and Integrated Health, with both including options for graduate certificates. In addition, several of the graduate programs in CSET offer accelerated options that allow students to seamlessly transition from an undergraduate to a graduate degree. This is increasingly important, as for many careers such as Registered Dietitians a master's degree is becoming the minimum academic credential. Enrollment growth in CSET graduate programs has been substantial, with preliminary data for the fall semester projecting nearly a 50% increase in student credit hours over the fall of 2022. Please enjoy this issue of the CSET newsletter as you read about how we continue to rise through our focus on People, Programs, and Partnerships.

Welcome New Faculty and Staff!



Ari Kline

Assistant Teaching
Professor
Mathematics
M.A., DePaul
University



Karla Miller

Career Advisor
M.S.Ed., University of
Wisconsin-La Crosse



M.G Sarwar

Murshed
Assistant Professor
Computer Science
Ph.D, Clarkson
University



Ruth Hayden

Assistant Teaching
Professor
Mathematics
M.S. University of
Wisconsin-Milwaukee

UW-Green Bay Leads USDA NIFA Award for Agricultural Runoff Treatment Research



Lead Principal Investigator (PI) Michael Holly and Co-PIs Karen Stahlheber, Mandeep Bakshi, and Jessica Warwick were recently awarded \$750,000 to build agricultural research capacity at UW-Green Bay through the competitive USDA Capacity Building Grants for Non-Land-Grant Colleges of Agriculture Program.

The objective of the proposal is to enhance and promote constructed wetlands for the treatment of agricultural runoff. Impacts of the project-green include the development of cost effective solutions to remove phosphorus from agricultural runoff necessary to reduce harmful algal blooms in the Great Lakes. The proposal includes collaborators from Outagamie County, USGS, and UW-Platteville who will assist in completion of research objectives.

Funding to UW-Green Bay will provide support for three graduate research assistantships, multiple undergraduate research assistants and remote water quality monitoring equipment. Additional information can be found [here](#).



Human Biology Students Receive Internship with Bellin Hospital and Prevea Hospital

The Human Biology program would like to congratulate the following students that were selected for the 2023 Medical Internships at Bellin and Prevea:

- Tabitha Sikora – Bellin Hospital
- Nikki Messick – Bellin Hospital
- Adan Cordovo Delgado – Prevea Hospital
- Foster Ludka – Prevea Hospital



The interns did observational rotations through different departments at Bellin and Prevea Hospital observations to experience several clinical environments, broaden their scopes of interest, and allow them to gain an understanding of new and different areas of medicine. A primary goal of this program was to increase existing interest among applicants, and further develop critical thinking, problem solving, and confidence. Congrats to all internship recipients!

Chemistry Students Receive Outstanding Graduating Student Awards

On May 4th, members of the Chemistry program attended the Northeast Wisconsin American Chemical Society (ACS) Local Section Spring Awards Banquet, to celebrate their students who received the Outstanding Graduating Students Award. Congrats to the following UW-Green Bay students who received the award: DiemTuyen Phan (Green Bay Campus), Kaylin Vang (Manitowoc Campus), Brooke Hoffman (Sheboygan Campus).



Griffin Geib Receives the Paul and Thea Sager Award for Excellence in Scientific Scholarship

Every year, the Paul and Thea Sager Award for Excellence in Scientific Scholarship recognizes a UW-Green Bay undergraduate student for their award-winning scientific composition, which can include a scholarly scientific article, lab report, review of scientific literature, or other similar writings. The Sager Scholarship was created in 2009 by retired faculty members Dr. Thea Sager and the late Dr. Paul Sager, in memory and admiration of Chancellor Emeritus Edward Weidner and his commitment to hands-on student learning and the Cofrin Memorial Arboretum. The 2023 recipient receives recognition and a monetary award of \$1,500.

This year's winner of the Sager Scholarship is Griffin Geib for his paper entitled "Drinking Water Treatment Residuals Utilized in Edge of Field Technology for Phosphorous Adsorption." Geib, who majored in Environmental Science and Biology, wrote his submission as part of a capstone course instructed by Dr. Patrick Forsythe with research conducted by Dr. Michael Holly, Geib, and other students.



More than 80 students submitted competitive papers across a large variety of topics for this year's competition, which was judged by Cofrin Center for Biodiversity staff and faculty in the College of Science, Engineering and Technology. The Cofrin Center for Biodiversity sincerely congratulates all the candidates for their writing submissions to this competition and thanks the committee who selected a winner.

Commencement Speaker Kayla Lass Encourages Grads to Spread the “I Love You” Effect

UW-Green Bay Graduating Class Speaker Kayla Lass '23 shared her reflections on the power of saying the words “I love you” with the Spring 2023 graduating class at the afternoon commencement ceremony at the Kress Events Center on Saturday, May 13, 2023.

“Thank you, Dr. Merkel, for the introduction, and thank you, friends, family, faculty, and fellow graduates, for being here today. It is an absolute honor to be offered the opportunity to celebrate this milestone with you all.

Growing up, I was quite a spirited child, constantly seeking ways to get into trouble. For example, one time, I received from my father the typical, ‘if you don’t stop by the

time I count to three, you’re going in a time-out,’ he said, ‘one,’ and I said, ‘two, three,’ and then gave him the look of ‘and what are you going to do about it?’ Yes, I was that child. I was a headstrong little girl who refused to accept ‘no’ for an answer.

David Beckham once said, ‘I’m a very stubborn person. I think it has helped me in my career. I’m sure it has hindered me at times as well, but not too many times. I know that if I set my mind to do something, even if people say I can’t, I will achieve it.’

That constant spark in my younger self has developed me into the athlete, the student, and the person I am today. As an athlete, once you commit somewhere, the first question you are asked by others is, ‘why Green Bay?’

Now I know we all came to Green Bay to receive a higher education, increase our chances of capitalizing on an opportunity at our dream job, prepare us for the future, and maybe help us make a little more money. I also know many appreciated having their own bathroom in each dorm room and that most educational buildings were connected via tunnels. Thank goodness, because Wisconsin faces some brutal winters. We also came here because of the people on this campus and the beautiful community surrounding it. Personally, I refused to go anywhere else where Bears or Vikings fans outnumber Packers fans. I just couldn’t do it.

Our first year here, for many of us, 2019 was wild. Moving into the dorms, making our own food, working through homesickness, and figuring out where to find our classes were originally scary. But what was terrifying was going home for spring break that next semester and getting told not to return. Now I know the pandemic affected everyone differently, and I don’t want this to turn into something sad, but I wanted to touch on an experience that changed my perspective and approach to life. In that sense, I hope it speaks to you as well.

My grandfather lost his battle against cancer on July 4th of, 2020. This goodbye was different than any other goodbye, I couldn’t hug him, he couldn’t kiss me on the forehead like he usually did, and I couldn’t even hold his hand, but I could say I love you. ‘I love you’ are three words we don’t hear enough.



My teammate went through the same situation about a month later. She and I talked a lot through our grieving process and ended every conversation with 'I love you.' Fast forward a few months, and athletics were allowed back on campus to train. Shannon and I were so used to saying 'Goodbye, I love you' to each other that we started saying it to our teammates, coaches, trainers, and classmates, and I have even gotten very close to saying it to some of my professors (haha). This created a domino effect on others, and it got to the point where the people around me didn't say 'goodbye' without following it with 'I love you.' Hearing 'I love you' has been proven to increase dopamine levels in our brain, boosting self-esteem. We all deserve to feel valued, appreciated, and worthy of love. The 'I love you' effect is a way for us to validate the belief that something good came out of such a dark time.

After two whole years of abnormal learning, we returned to the campus and experienced in-person classes again. Witnessing one another enjoying our time doing various activities was like a breath of fresh air. You could feel the excitement from our professors when they walked into the room, smiling from ear to ear while cracking a joke. It was inspiring to be surrounded by mentors who wanted nothing more than to see us learn and succeed. So much so that they presented us with many opportunities to explore career paths, gain experience, and expand our knowledge, and for that, we are eternally grateful.

Everything in the past has brought us here to this point. As we soon move our tassels to signify our newfound graduate status, I want us to recall a few things. We will reflect on the opportunities and support system Green Bay has gifted us. We will think about the love we have received from one another throughout our time here. Lastly, we will determine how to present ourselves moving on from this point.

I wanted to wrap up this speech with something we all know. A good old mnemonic that encapsulates the qualities we will carry with us in our future endeavors.

P- pesky, as we will never take "no" for an answer while relentlessly pursuing our passions.

H- hope that something great will ascend from every setback

O- open mindedness, as our destiny is never one clear cut path

E- embrace the challenges life will toss at us

N- network, because the connections we have assembled so far are just the tip of the iceberg

I- ignite, the flame that will fuel our drive to succeed

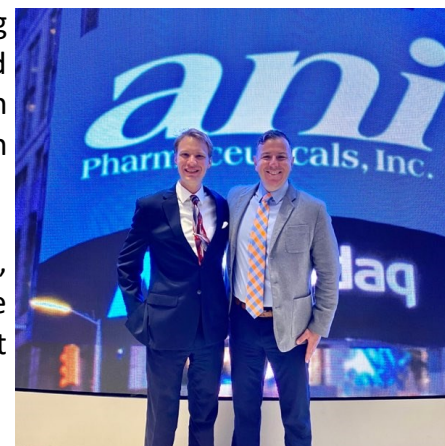
X- xiphoid process; for those that don't know, this is the third bone of your sternum that protects your heart, in which we will use the strength of our love to uplift, inspire, and empower others we encounter in the future.

P-H-O-E-N-I-X, this is how we will show the world what being a Phoenix, means. Congratulations to my fellow graduates, goodbye Green Bay. I love you."

Alum, Zachary Holcomb, Attends Ringing of the Opening Bell at Nasdaq with ANI Pharmaceuticals

ANI Pharmaceuticals, Inc., "a diversified biopharmaceutical company serving patients in need by developing, manufacturing, and marketing high quality branded and generic prescription pharmaceutical products," celebrated their 10th anniversary by ringing the opening bell at Nasdaq in New York's Times Square on July 20th.

Zachary Holcomb, a UW-Green Bay graduate with a degree in Human Biology, attended the event. Zachary is a Manager at ANI Pharmaceuticals, Inc, responsible for oversight of CMC for ANI's portfolio of injectable drugs and independent oversight of an injectables Research and Development Laboratory



Dr. Keir Wefferling Leads Bryophyte Workshop in Door County



For three days in May, Dr. Keir Wefferling, Herbarium Curator, led a field workshop on identification of bryophytes in peat-accumulating wetlands, focusing on species in fens and white cedar swamps in Door County. The 18 people who participated, identified around 60 species of moss and liverwort (at least three of them are new County records). The Door County region of Wisconsin is rich in species due to the high quality and unique natural plant communities.

UW-Green Bay Launches New Master's Degree This Fall

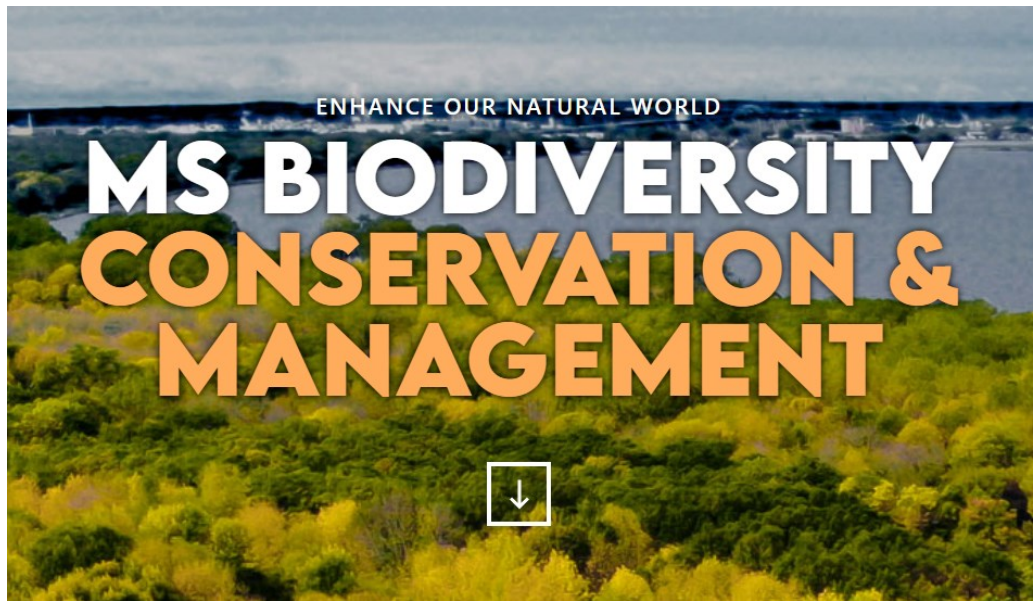
Students and career professionals will have new online learning opportunities this fall when the UW-Green Bay launches their new master's degree and graduate certificates in Biodiversity Conservation and Management.

This master's degree, which includes 31 credits across 11 courses., allows professionals who are passionate about the environment to gain the skills to manage complex conservation challenges such as climate change, habitat loss, and species extinction. The 31-credit curriculum covers emerging concepts in conservation management

and land stewardship, human-wildlife conflict, and conservation advocacy. Students will also gain valuable, practical experience through a fieldwork project as part of the final capstone course.

For those seeking an introduction to the conservation field, the Foundations of Biodiversity Conservation and Management Graduate Certificate serves as an accessible and affordable option where students can learn basic principles without needing to commit to the master's degree program. All courses and credits for the foundational certificate will apply to the master's degree and other biodiversity certificates.

"UW-Green Bay is well-known for its strengths in conservation science," said John F. Katers, Dean of the College of Science, Engineering, and Technology at UW-Green Bay. "The stackable certificates and master's degree we will offer online will allow working professionals to gain valuable training and skills in this subject area to immediately apply to their careers and in support of the goals of their organization while paving the way for further learning down the line."



Answering Your Burning Nutrition-Based Questions With Science

Is intermittent fasting for me? Is it best to eliminate carbohydrates or fats? How does my family history play into my current health? If I'm thin, I'm healthy, right? The questions—and the answers—are coming fast and furious for Americans regarding optimum health. The research and the science behind health and wellness is flying at consumers at a record pace. How does one know where to turn?

RDNs are trained specifically to counsel patients on diet and nutrition needs. Whether it's developing a specific eating and exercise plan or facilitating a group of patients on their best choices for nutrition, RDNs use evidence-based research to help people understand their own best options for nutrition and living a healthy life.

Deb Pearson, Ph.D., UW-Green Bay associate professor and director of the Master of Science in Nutrition & Integrated Health graduate program, can introduce you to some exceptionally passionate people who can help sift through the answers. They are Registered Dietitian Nutritionists (RDNs).



Student Faith LaFramboise is excited about her career choice. “I have always loved wellness in its physical, mental, and spiritual forms. I also really nerd out when it comes to the body’s physiology, metabolism, and learning the nuances of our biology in relation to nutrition and its effects on the physical, mental, and spiritual state of a person,” she explains.

Pearson said the program is constantly adapting. “The healthcare field is moving more and more into personalized or precision healthcare—healthcare matched more to each individual,” Pearson says. “Nutrition and food—how and what we eat—none of us are untouched by it. It is a field that easily lends itself to lots of good information—and lots of misinformation. It’s a field that is expanding and evolving as new research seems to come out monthly. That can be both exciting and frustrating. That’s why our program also focuses on the research arena and scientific methods to tease everything out. “Healthcare should be evidence-based, and what your dietitian and physicians suggest should be evidence-based,” she says.

Pearson said she is confident in her faculty and the program. “I can say that we really pride ourselves in this program in keeping up with the current research literature,” Pearson said. “Whether it be the latest research on heart disease or type 2 diabetes, nutrition in cancer therapy, or the concept of nutrigenomics—matching nutrition choices based on each person’s individual DNA—there is a movement for integrated medicine. Especially in the world of nutrition and lifestyle, it isn’t enough just to know fruits and vegetables, but a combination of factors including stress level, physical activity, social engagement, etc.”

Classes are experiential and context-based, recognizing that health is more than what you eat. Students learn about and apply research to stay at the cutting edge of evidence-based nutrition practice. “Our students not only learn the latest research, but that it is just as much about changing attitudes, and the science behind operationalizing and affecting behavioral change,” says Pearson.

“I have found my niche to say the least, adds LaFramboise. “I adore my classes here and the professors!” The Auburn, Michigan, native will graduate in May of 2024 with her Master of Science in Nutrition & Integrated Health, complementing a bachelor’s degree in exercise physiology. “Coupled with nutrition, the two subjects go hand-in-hand.”

LaFramboise, hopes to one day pursue her Ph.D. in the nutrition field, so that she can research mental health and how nutrients may play a role in this area of wellness. “Clinically, I hope to work in the disordered eating and behavioral health setting,” LaFramboise said. “I work and study daily to address the hurt I can’t stand to see in the world. I, myself, experienced a time in my life where I resorted to these behaviors as a coping mechanism—this also nudged me into the field. Empathetically, I am prepared for this facet of my career, coupled with the teachings at UW-Green Bay, I know I will be well equipped to disseminate education and help those that are struggling.”

Nutrition and Integrated Health

Launches New Online Graduate Certificate Program

Nutrition & Integrated Health Graduate Certificate

Heal disease with cutting edge knowledge. This new online graduate certificate program (14 weeks, 4 courses) is designed for nutrition and health professionals looking to understand more comprehensively how diet and lifestyle habits and behavior can affect and influence health and wellness. Certificate credits can be applied to a completion of a M.S. degree.



What will participants learn?

Completion of all four courses earns a certificate and digital badge. A prerequisite for admission is a bachelor's degree from an accredited institution. Topics and content covered by the certificate program will be developed by experts in the field and include: Medical Nutrition Therapy I: An Integrative & Functional Approach, Micronutrient Metabolism Across the Lifespan, Medical Nutrition Therapy II: An Integrative & Functional Approach, Nutrigenomics & Advanced Nutrient Metabolism

Upon successful completion of all four courses, participants will receive an exclusive UW-Green Bay credential, a digital badge validating your accomplishment and signaling to employers your mastery of the curriculum.

Nutrition and Health Students Are Creating a “Buzz” at the Boys and Girls Club

Listen closely. There’s a distinct buzz near the gardens at the Boys & Girls Club’s westside clubhouse on South Oneida St., Green Bay. And it’s not the pollinators. It’s the kids.

From a quiet murmur to squeals of delight, and of course, constant chatter, about a dozen students ages 7-10, who signed up for the Garden & Agriculture Club are as eager to name their favorite fruits and vegetables as they are to plant, weed and of course harvest the food from their gardens. In the meantime, they learn about growing seasons, soil conditions and nutrition. And many have convinced their parents to allow them to plant a container garden at home.



Behind it all is Hannah Basile, the program development and training specialist for the Boys & Girls Club of Greater Green Bay; and UW-Green Bay interns Faith LaFramboise and Heather Wilke, who are working toward their Master of Nutrition & Integrated Health Degree.

LaFramboise and Wilke primarily assist in the program spaces, helping with the nutritional and movement-based programming with a special emphasis on the garden this summer. Specifically: Working with the youth to plant, weed, water, and harvest the garden; building educational resources and activities around the garden; working on signage for the building and a newsletter for Club parents about the garden and healthy eating; serving a snack for the student participants

Basile says the brand-new partnership is an “awesome addition.” “We had a community nutrition class from UW-Green Bay come in during our teen nights to host a cooking demonstration and provide some educational information via fun games and activities,” she explained. “After making that connection, I was connected to Heather Masters, the University’s clinical care coordinator. We spoke together and came up with a plan for her students to receive internship hours for their community nutrition course. The Boys & Girls Club is a unique setting for students to learn about our community and the needs that are currently not being met. Interns are tasked with unique projects to enhance current practices of our healthy lifestyles programming.”

While the kids are eager participants, both LaFramboise and Wilke, who plan to graduate in May of 2024, are just as thrilled about the opportunities.

Wilke was on a completely different career path with a goal to be a physician's assistant. But her time as a CNA in the ICU at Aurora Baycare convinced her that many people are hospitalized because of poor lifestyle choices such as an unhealthy diet and lack of exercise. "I decided I wanted to be on the prevention end of healthcare and help keep people out of the ICU altogether," she says. "Growing up I wanted to be a chef and always had a love for food but loved human biology and had a passion for helping people. I wanted to be able to combine my passions and... as soon as I found the program, I reached out to Dr. (Debra) Pearson, and she happily and enthusiastically had a phone call with me answering all of my questions. After talking with her, I knew this program was where I belonged."

Wilke said the internship has been very gratifying. "I have worked with youth both at the Howard-Suamico School District and Boys & Girls Club of Greater Green Bay. Growing up, I was never taught about nutrition. Knowing that I have made an impact on these children and their future health is beyond gratifying. Going into the program, I had plans to work with kids and make an impact early on in people's lives so nutrition doesn't feel so overwhelming and unfamiliar later in life. These rotations have given me a great experience working with children of all ages and only further confirmed my love of wanting to work with them in my future career."

LaFramboise, who came to UW-Green Bay following a bachelor's degree in exercise science from Saginaw Valley, became interested in the program because of the dual nature of obtaining the Master of Science and being able to sit for the Registered Dietitian Nutritionist exam at program's end. "The Boys & Girls Club experience has been gratifying in that we are able to work with the youth daily, so that they may hopefully take with them a tiny piece of what we are trying to teach," she said. "It is important not to preach "this way or the highway" about ways of eating, because 1) these members are not old enough to make shopping choices, and 2) access and affordability of food is always a challenge. The members are so funny, fun, and smart; it's nice to stay curious like them when learning new topics. Nutrition is just a small piece of the pie here, otherwise they deeply focus on community projects, skill building, social/emotional learning, justice, equality, and bridging the gap between population served and social determinants of health."

LaFramboise said the most rewarding piece for her was aspects of "integrated health" through mindful movement, healthy habits, cooking opportunities for teens, bike programs, garden clubs, agriculture clubs, yoga, mindful reading, mental health services, etc. "Amiyah, Aaliyah, Minelys, Laylonie, Angel, Alex, and many others who choose the Garden & Agriculture Club(s) show great interest in what they are learning. It must be hands-on to keep their attention, but if there is soccer going on in the periphery – forget it! They are all soccer stars here," she joked.



In the meantime, the pruning and watering are fun, as are gardening and nutrition facts such as "tomatoes are actually fruit" and "there are actually 9,000 different varieties of tomatoes" and "nutritional value can change during the ripening process," that the students are eager to share with anyone who will take the time to listen.

As for their favorites? With hands held high, the members were eager to share a lengthy list: "Watermelon, strawberries, starfruit, kiwi, peaches, peppers, carrots, broccoli..."

The Garden Club has also inspired a potential career for one of the members. "I'm going to be a garden YouTuber," she said with tremendous confidence. That's all part of the plan. Basile said aside from gardening and nutritional information, the interns intentionally discuss school and potential career paths.

"The interns have truly been an awesome addition to the Clubhouses," Basile said. "They bring fresh eyes to our programming to help shape it and make it better for future members. They also come with great energy and provide so much guidance for our youth which is inspiring. The interns are not only touching the lives of our youth, but our whole community of Club families. I would love to host more interns in the future and hope that we can continue this great partnership with UW-Green Bay."

Heather Wilke's thoughts on the program describe the partnership perfectly. "Nutrition changes lives and I hope to continue doing that one child at a time."

New North Region on the Banks of Liquid Gold

The New North region is fortunate to share a border with Lake Michigan, one of the Great Lakes which is known as the world's largest surface freshwater ecosystem. The Great Lakes comprise 84% of North American's surface fresh water and 21% of the world's supply of surface fresh water. So why is this important? As more regions of the country suffer from severe drought conditions affecting human health and commerce, Wisconsin is becoming more attractive to business and talent attraction. Water is the new currency — liquid gold as my father used to say.

Besides having direct access to Lake Michigan and the Bay of Green Bay, our region is also known as the largest freshwater estuary in the world — National Estuarine Research Reserve System (NERR). An estuary is a biological and physical environment that develops when a river with nutrients meets large bodies of water. In our case, the Fox River which empties into the Bay of Green Bay creates natural runoff filters and provides shelter to many species of fish, birds and other animals. This estuary also is a natural disaster barrier as it soaks up excess water from floods and supports vegetation to help soil erosion. While the Bay of Green Bay physically touches the shores of Door, Kewaunee, Brown, Oconto and Marinette counties, its feeder of the Fox River canvases the New North region.

The University of Wisconsin-Green Bay is leading the designation of the NERR for the region. The Bay of Green Bay NERR will focus on research, place-based education, stewardship and training. I recently had the opportunity to accompany UWGB team members to view areas of priority for the estuary. It was astonishing to see the estuary providing a safe haven and home to small fish, shellfish and migrating birds, all while the Algoberta barge made its way out of the port after delivering valuable commodities for business activity. This is a great example of wildlife, recreation and commerce effectively co-existing.

Our region is fortunate to have many environmental assets. Hosting the largest freshwater estuary in the world will bring additional research, funding and notoriety to Northeast Wisconsin. It will also ensure that our precious resources are protected through stewardship, innovation and education. *Article from [insightonbusiness.com](#)*

Green Bay Estuary Digital Archives

The UW-Green Bay Archives Department is pleased to announce the publication of the [Green Bay Estuary Digital Archives Collection](#), a new digital resource about the Green Bay Estuary and its waterways. The digital collection was built from relevant materials held at the UW-Green Bay Archives, as well as donations from local community members. It seeks to tell the story of the region's water history, science, and cultural impact through photographs, postcards, maps, oral history interviews, films, and historical records.

The Green Bay Estuary Digital Archives Collection was built as part of the [Green Bay National Estuarine Research Reserve \(NERR\)](#) designation process, in partnership with the Wisconsin Department of Natural Resources. This was a year-long digitization effort in which select original materials in the UW-Green Bay Archives were identified and digitized. This unique digital collection is a rich resource for researchers and educators pursuing projects related to the region's

waterways, or anyone who is interested in the area's natural history. This project was funded through generous support from the Wisconsin Coastal Management Program, the Wisconsin Department of Natural Resources, and the [UW-Green Bay Libraries](#).

The Green Bay Estuary Digital Archives Collection was formally launched on August 24th, 2023, in Mary Ann Cofrin Hall, Room 204. The focus of the launch was a virtual tour of the digital collection. If you are interested in viewing a recording of the launch, you can do so [here](#). If you have questions about the Green Bay Estuary Digital Archives Collection, please email archives@uwgb.edu.

The screenshot shows a digital archive interface with the following elements:

- Header: "Browsing items in Green Bay Estuary Digital Archives Collection" with a "Sort by:" dropdown set to "Geographic Location Ascendir" and "Results per page:" set to 10.
- Navigation: "Records 1-10 of 384" and a pagination bar with page numbers 1, 2, 3, ..., 40, and a "Go to page" field.
- Item 1: "[Board of Lake Underwriters insurance appraisal list], 1866" with a thumbnail image. Description: "1866, 1910, 1940. An insurance appraisal list made by the Board of Lake Underwriters from 1866 that is national in scope. The list is organized alphabetically by ship's name. Information that can be found in this volume are type of vessel (e.g. schooner, barge, steamer, propeller, etc.), weight of the vessel in tons, the city the vessel was built in and by whom, year built (circa. 1840 - circa. 1866), the owner,..."
- Item 2: "[Salvator Springs], circa. 1910" with a thumbnail image. Description: "1910. Color postcard showing the Salvator Mineral Spring on the intersection of Mason and Monroe Streets. Salvator Mineral Spring was an artesian well and mineral water bottling company. Today, the building depicted is the Cornell Law Firm. Taken in Green Bay, Wisconsin, circa. 1910."
- Item 3: "[Mineral springs, Green Bay], 1912" with a thumbnail image. Description: "1912. Color postcard showing the Alouez Mineral Springs on Chicago Street between Vanburen and Jackson Streets. It was an artesian well and the longest running mineral water company in Green Bay until it closed down in the 1950s. Taken in Alouez, Wisconsin, 1912."
- Item 4: "[Scenes at "Ridge Point," the beautiful Apple Creek at west side of park], 1911" with a thumbnail image. Description: "1911. Color postcard of Apple Creek at the west side of Ridge Point Park. Taken near Wrightstown, Wisconsin, 1911. Apple Creek (Wrightstown, Wis.)"
- Item 5: "[Fishing at Ridge Point Park, De Pere], circa. 1905" with a thumbnail image. Description: "1905."

NERR Designation Updates



Environmental Impact Statement and Management Plan

The Bay of Green Bay NERR Site Nomination Document is currently under review with the National Oceanic and Atmospheric Administration (NOAA), our federal partner on the designation. Pending acceptance of the Site Nomination Document we will begin the next two steps of the designation process: the Environmental Impact Statement and the Management Plan. The Environmental Impact Statement and the Management Plan will be drafted to reflect the impact of designation and to guide the operation of the Bay of Green Bay National Estuarine Research Reserve.

The University will work with land-holding partners, Tribal Nations, regional educators, non-governmental organizations, state agencies, regional governments, and others to:

- Create a vision and mission statement
- Identify priority coastal management issues
- Develop goals for core research education, and coastal training programs of the reserve
- Design a public access and visitor use plan

To ensure there are many opportunities to contribute to the Management Plan, input will be gathered at in-person and virtual planning sessions, through community meetings, and during public comment periods.

Locating the NERR Visitor Center

The **NERR Site Coordination Committee** (the steering committee overseeing designation) recognizes that there is excitement and community interest in identifying a location for the NERR visitor and education center. The next steps in locating a site for the NERR facilities will not be determined until the state receives NOAA's decision on the site nomination. We will share updates on the process through this newsletter.

UW-Green Bay Hosts Governor Tony Evers

In early June UW-Green Bay hosted Governor Tony Evers for a tour of Ken Evers Nature Area. The visit was associated with the NERR's recent grant award from the Wisconsin Coastal Management Program to support the creation of a management plan. The visit occurred on a sparkling day with many of the NERR partners in attendance, including Chairman Tehassi Hill (Oneida Nation), Mayor Eric Genrich (Green Bay), Jeff Flynt (Brown County Deputy Executive), Dave Halfmann (WDNR), Dan Ditscheit and James Andersen (City of Green Bay), Laurel Hauser (Crossroads at Big Creek), and Mark Walter and Dean Haen (Port of Green Bay). The National Estuarine Research Reserve Association wrote about the visit: <https://www.nerra.org/governor-evers-visit-future-bay-of-green-bay/>



Faculty Recognition/Achievements

Congratulations to **Erin Giese** and **Bob Howe** for their publication in *Ecosphere* entitled “Application of habitat association models across regions: Useful explanatory power retained in wetland bird case study.”



Congratulations to **Nazim Choudhury** and the other Innovation On-Ramp Planning committee for receiving the WiSys Innovation Champion Award, an award that recognizes UW System faculty/staff who played an integral role in building a culture of innovation.



Congratulations to **John Luczaj** and **Mark Norfleet** for their publication in *Hydrology* entitled “Stable isotopic evaluation of recharge into a karst aquifer in a glaciated agricultural region of Northeastern Wisconsin, USA.”



Congratulations to **Mandeep Singh Bakshi** for his publication in *ACS Sustainable Chemistry and Engineering* entitled “Lignin-induced click synthesis of Au, Ag, Pd, and iron oxide nanoparticles and their nanocomposites in aqueous bulk and at the solid-liquid interface.”



Congratulations to **Stephan Gunn** on being awarded \$97,036 from the Freshwater Collaborative of Wisconsin for his project entitled “Mitigating PFAS contamination of groundwater: Biochar sequestration of PFAS in biosolid leachate at the field scale.”



Congratulations to **Emily Tyner** and collaborators on being awarded \$281,794 from the Freshwater Collaborative of Wisconsin for their project entitled “UW-Green Bay Pre-College Student Experiences in Freshwater.” Emily also received \$49,866 from the Wisconsin Coastal Management Program to support the development of the Draft Management Plan for the Green Bay NERR



Congratulations to **Erin Berns-Herrboldt** on being awarded \$157,394 from the Freshwater Collaborative of Wisconsin for her project entitled “Quantifying the impact of spatial and temporal variation in hyporheic zone fluxes on phosphorus transport and release in Wisconsin streams and rivers.”



Congratulations to **Christopher Houghton** on being awarded \$12,566 from the Freshwater Collaboration of Wisconsin for his project entitled “Water, health, and habitat interactions: Building capacity for water careers and education.”



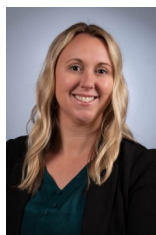
Congratulations to **Keir Wefferling** on being awarded \$25,318 from Wisconsin Coastal Management for his project entitled “Refining bryophyte community assessment protocols for Wisconsin Minetropic Peatlands.”



Congratulations to **Shawn Malone** on being awarded \$7,467 from the US Geological Survey for his project entitled “Bedrock mapping in the northeastern portion of the Mountain, WI 7.5' quadrangle.”



Congratulations to **Molly Meyers** on receiving an additional \$83,938 from the USDA Natural Resource Conservation Service for continuing work on her project entitled “Linking soil health assessment to edge of field water quality in the Great lakes basin.”



Congratulations to **Brian Merkel** on receiving the “Distinguished Science Faculty Award from the Medical College of Wisconsin—Green Bay’s 2022 graduating class.



Congratulations to **Steve Meyer** (Associate Professor in Natural and Applied Sciences) on his retirement after 22 years at UW-Green Bay and **James Meyer** (Associate Teaching Professor in Mathematics) on his retirement after more than 25 years at UW-Green Bay!



CSET Faculty and Staff Receive Awards at Convocation

UW-Green Bay's Fall Convocation was held on Wednesday, August 23rd, where a number of faculty and staff were honored with receiving the University's annual Founders Awards, a high honor presented by their peers.



This year's recipient for the University Staff Award for Excellence is **Tina Tackmier**. As their nominators wrote, the recipient of this award "has been an invaluable contributor to this institution and to the students, faculty and staff over the years." "She always went beyond most of the normal requirements for her position" and "she knew enough to do any one of our jobs-if she was needed." Her love for event planning really started on the planning committee for all the student events that were held on campus. This included booking entertainment for weekend events, planning events that students could do during the day, and setting up for

commencement, to name a few. She was always available to support programs that occurred outside of normal working hours and she actively took part in staff and professional development programs. Additionally, she participates in numerous community activities, but particularly loves any project that combines her dual role as UW Green Bay staff and alumna. Looking for added learning and challenges, she recently joined the College of Science, Engineering, and Technology, shifting her energy from students to faculty.

This year's recipient of the Academic Support Award for Excellence is **Joe Schoenebeck**. The recipient of the Academic Support Award for Excellence is known as someone who "consistently goes above and beyond [the] job description with unit success and student success in mind, and really exemplifies... what academic support commitment to excellence looks like." "He does his actual job so well and seamlessly that sometimes it seems like that is not his job, because we often see him doing other things to help people." "He takes his position as a UWGB employee very seriously. He volunteers to serve on many Unit, University and System-wide committees."



"His ability to keep equipment running on a shoestring budget and to find creative purchasing solutions have saved the university a great deal of money over the years." "His most unusual (and perhaps most important) contributions are his personalized tours of the Laboratory Science building. He gives tours to hundreds of prospective science students and their parents each year, as both group and individual tours, where he showcases the different science majors and research programs in the Laboratory Science Building. His enthusiasm, positive attitude, and outgoing personality (including an unforgettable laugh) have clearly had a positive impact on our recruitment of prospective students to UW-Green Bay."

Aquatic Robotic Camp Students Dive Into Innovative Freshwater Research

By Ashley Kaster, FOX 11 News

A Green Bay Einstein Project passed its water test Tuesday. Aquatic Robotic Camp students built and launched their own buoys on a UW-Green Bay pond to measure oxygen levels and water clarity.



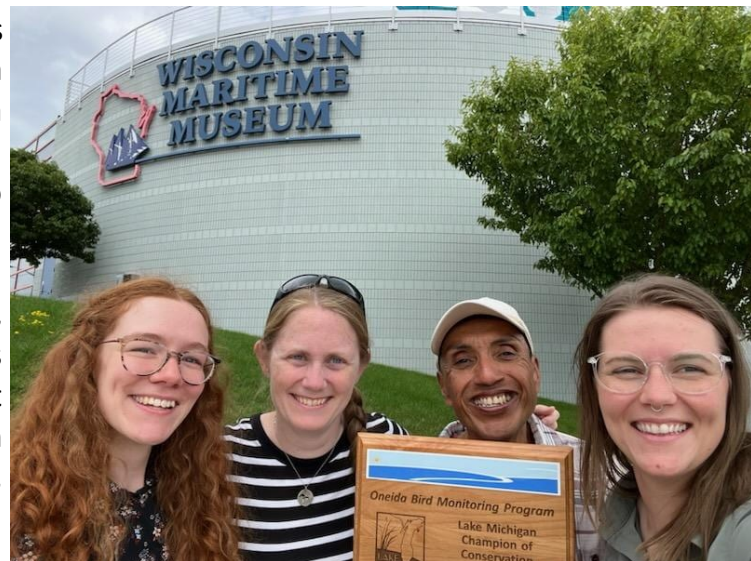
The project is smaller scale of award-winning research being conducted by UW-Green Bay and Cellcom in lower Green Bay.

The Aquatic Robotic Camp buoys are armed with wireless sensors, powered by Cellcom, to send data back to the students. For one week, students will collect and analyze the data their buoys send back, just like UWGB scientists.

Organizers say they hope this project sparks students' interest in STEM-related careers.

Oneida Bird Monitoring Program Receives Lake Michigan Champion of Conservation Award

Since 2021, UW-Green Bay Cofrin Center for Biodiversity's Erin Giese has co-lead a bird monitoring program on Oneida Nation's restored lands in collaboration with the Oneida Nation, Northeastern Wisconsin Audubon, and Audubon Great Lakes. Bird data collected for this program are used to evaluate the success of Oneida's restoration work, inform land management decisions, and track changes in bird communities. With a cohort of dedicated volunteers, experts monitor breeding marsh, grassland, and forest birds and migratory shorebirds and waterfowl. In just 2.5 short years, it is abundantly clear how important Oneida Nation lands are for birds, particularly grassland birds, waterfowl, and shorebirds.



Early this month, this Oneida Bird Monitoring Program (OBMP) received a Lake Michigan Champion of Conservation Award given by the Lake Michigan Stakeholders. Cofrin Center for Biodiversity's Erin Giese and OBMP staff Joe Torres (UW-Green Bay alum), Sarah Baughman (UW-Green Bay undergraduate), and Emily Swagel (UW-Green Bay undergraduate) accepted the award on behalf of all the partners involved in this project.

In Memoria: Steve Dhein

Sept. 12, 1954 – Aug. 28, 2023

Steven Philip Dhein, 68, of Green Bay and Deerbrook, died peacefully at St. Vincent Hospital in Green Bay on Monday, Aug. 28, 2023, surrounded by his family. He was born on Sept. 12, 1954, to the late Willard and Annette (Solway) Dhein.

Steve grew up in West Bend and spent summers in Sturgeon Bay at the family's property on Bay Shore Drive. He attended West Bend West High School and UW-Madison. After graduating he moved to Green Bay where he owned a computer store and built a family of his own. He married Debbie Yoder on Sept. 3, 1993, in an intimate civil ceremony at the Brown County Courthouse. They met on a blind date and enjoyed many happy years together.

In 2004, Steve was hired by Dr. David A. Cofrin as Chief Executive Officer for the 1923 Fund, a charitable foundation established by Dr. Cofrin and his wife, Mary Ann Cofrin. After Dr. Cofrin's death in 2009, Steve continued to administer and lead the philanthropic activities of the 1923 Fund Board of Advisors until his retirement in December 2022. Of the fund's many worthy causes, including natural conservation, community services, and the arts, he was especially proud of their contributions in Panama to support the Smithsonian Tropical Research Institute (STRI). In 2013, Steve was awarded the Chancellor's Award by the University of Wisconsin-Green Bay for his sustained service and commitment to the university.



Steve loved gadgets—especially the free flashlights from Harbor Freight. He was an early adopter of many tech devices—the first guy on the block with an Amazon Echo. “Hey Alexa, play Marvin Gaye on Pandora!” He was an avid Packers fan and a news junkie from grade school on, and never one to miss a game or the five o'clock news. He and Debbie spent all their spare time at the cottage near Antigo enjoying golf, fly fishing, and daily 6:00pm rides on their pontoon boat. They also enjoyed restoring their historic home in Green Bay and collecting art from Wisconsin artists.

Steve will be greatly missed by his wife Debbie; sons Justin (Katie Moyer), Reed, and Blake (Haley VanDenack); sisters Cindy (Jack) Follick and Edie (Greg) Chmielewski; father-in-law Bill (Mary) Yoder; as well as many cousins, nieces, nephews, and life-long friends.

In addition to his parents, Steve was preceded in death by his mother-in-law Alice (Dave) Whitmore.

His life will be celebrated at the family's Sturgeon Bay property next June. Online condolences may be expressed at prokowall.com.

Memorials in Steve's honor may be given to the Door County Maritime Museum at dcmm.org.

Obituary by the Door County Pulse

Ben Kvalo '10 Uses His Business Administration Degree to Bolster the Business Side of Video Games



The letterboard sign on UW-Green Bay alum Ben Kvalo's desk asks a tongue-in-cheek question: "Wait, Netflix has games?" And the answer is: It sure does! That is partially because of Kvalo, who worked tirelessly to grow the Netflix gaming division from the ground up into a global platform, much like the streaming service did for movies.

His success at Netflix has recently allowed him to begin his newest adventure: founder and CEO of a game publishing business located right here in the Midwest. In this new role, Kvalo is looking to create more opportunities for gamers in the region, diversify the gaming industry and support overlooked game developers.

But before Kvalo made a name for himself in the gaming industry, he had to start where so many of us did: working his way through his senior year of high school trying to determine where he'd go to college after graduation. Spoiler alert: Kvalo called UW-Green Bay home for four years. His journey to where he is today began because of on-campus experiences that gave him the tools to build the life he envisioned from the ground up.

Finding His Fit

Five generations of Kvalo's family attended the same university, but the Portage, Wisconsin, native wanted to attend a school that more precisely fit his needs and interests. While very involved in sports and activities, he lacked confidence and wasn't quite sure of his voice. Not wanting to be another face in the crowd, Kvalo started looking at universities that could use his potential and empower him to become his best self.

Kvalo immediately fell in love with the beauty of the UW-Green Bay campus during his tour, but it was when he heard from his tour guide about how the school approached higher education that he knew it was the place for him. "I'm a doer and need to get my hands on things," Kvalo says. "I like to learn by life, so the traditional way a lot of universities approach education wouldn't have worked for me."

He saw the opportunity to be more hands-on and interactive with his education at UW-Green Bay, which bolstered his confidence that he'd receive an education that truly fit him. The more intimate campus, diverse extracurricular opportunities and ability to more easily connect with professors and peers made him feel like he could start the journey of self-discovery to become who he was meant to be.

Strengthening His Voice

Once at school, Kvalo found no shortage of spaces to get involved and grow. He briefly worked as one of the men's basketball team managers before pivoting to a new opportunity: helping to launch and grow WGBX, a student-run radio station. This opportunity taught him how to collaborate with different teams and build something from the ground up. As the general manager for 3 ½ years, he wore a lot of hats and found opportunities to strengthen his weaknesses. During the summer, he was a light and sound technician at the University Union. This, too, was another opportunity to roll up his sleeves, learn on the go and develop strong interpersonal skills.

As if that wasn't enough to keep him busy, he was also a campus tour guide—but this opportunity didn't come quite as easily. He was turned down twice, but that only fueled him to keep practicing his communication skills to eventually land the gig. Once he found his voice—both internally and externally—he brought a genuine realism to his tours to help prospective students who were considering UW-Green Bay.

Turning His Attention to the Future

During his senior year, the business administration major and communications minor started thinking about life post-graduation. One of his professors, Lucy Arendt, said to him, "You can do what you're dreaming in your head." Those words resonated strongly with Kvalo. As a self-proclaimed gamer growing up, Kvalo routinely hosted video game gatherings with friends, resulting in a lot of late nights trying to beat bosses and save mythical worlds. Video games became a huge aspect of who he is from the minute he got his first Nintendo system, and with the encouragement of his professor, he began to work out a way to parlay that passion into a profession.

The first chance arose during his mergers and acquisitions capstone course. Kvalo and his group decided to use a video game company as the basis for the simulated acquisition project. Kvalo's role in the scenario was acting on behalf of management, so he took the lead and formulated a business plan for how it would play out. A professor's wise words coupled with a successful (faux) acquisition was an encouraging and catalyzing moment for him. It made him realize that the business side of video games was a viable career option.

But the economy had other plans for this 2010 graduate. Jobs were still hard to come by as the nation was slowly recovering from The Great Recession. To help pay the bills, Kvalo fell back into an industry he had spent a lot of time in as an undergrad: radio. For nine months he worked selling airtime and facilitating various components related to radio broadcasting, but his heart remained in the gaming industry. Reevaluating what he wanted to do in life, he revised his LinkedIn profile to include an emphasis in video games. Those copy adjustments caught the attention of a recruiter for 2K, a video game publisher located outside San Francisco. After several conversations and interviews, Kvalo landed the job and headed west.

Giving His Career a One-Up

Kvalo spent nearly six successful years at 2K. He then made the move to Blizzard, a video game publisher known for its annual BlizzCon gaming convention. After a year at Blizzard, Kvalo made the jump to Netflix in 2018, where he started as a campaign operations manager. Pausing on video games, Kvalo turned his attention to film, where his focus was the planning and execution of tentpole campaigns for Netflix original films. His first big Hollywood moment was the successful launch of *Bird Box*, starring Sandra Bullock.

After several more film releases, Netflix approached Kvalo with an opportunity in its newly created games publishing division because of his prior experience in the gaming industry. He knew this was the right next step and became the lead project manager for launch operations in the gaming division. "My job [was] to help Netflix become a top-tier gaming platform," Kvalo said. "I love the challenge of starting at the bottom and building up, so this is a perfect opportunity to create something that disrupts the industry."

Clearly, what Kvalo is doing is worked: In its first year, the Netflix gaming platform published 48 games—an extraordinary accomplishment considering a small fraction of that is the average a gaming publisher typically launches annually.

Cherishing His Wisco Roots

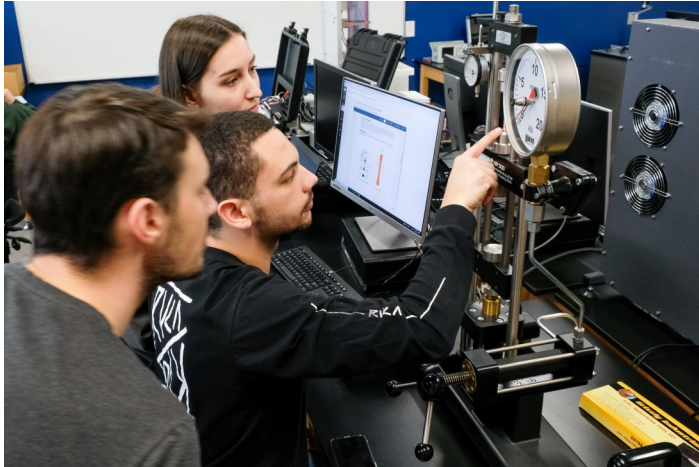
Kvalo still has deep ties to his Wisconsin roots, which played an important role on how he's trying to change the industry next. Relocating to the Midwest to launch his new game publishing company, Ben added: "There's a unique opportunity to tap into the Midwest as an emerging market with unlimited potential. Not only is Chicago the third largest city in America, but there are incredible developer hubs in Madison [Wisconsin], Columbus [Ohio], Minneapolis [Minnesota], Ann Arbor [Michigan], and more. At the moment, those developers lack funding and support to elevate their unique and incredible games to a new level. We aim to change that by providing funding, marketing and support."

Plus, his family still calls Portage home, he cheers for his hometown favorites, like the Milwaukee Bucks and the Green Bay Packers, and he has collaborated with Titletown Tech, a Wisconsin-based venture capital firm that invests in bold entrepreneurs solving meaningful problems. He's also giving back to UW-Green Bay by serving as a member of the alumni board, speaking virtually with classes, mentoring students and even helping to create the Esports Lounge in University Union. In 2016, the university celebrated his support of Phoenix success with a distinguished Alumni Award.

The foundational skills he fostered as a Phoenix gave him the confidence to pursue his interests, hone his skills and come into his own. It's safe to say it's resulted in the launch and development of some pretty big things.



Mechanical Engineering Program Receives ABET Accreditation



The University of Wisconsin – Green Bay’s Richard J. Resch School of Engineering’s Mechanical Engineering program has received national accreditation. The bachelor’s of science degree in Mechanical Engineering has been accredited by the Engineering Accreditation Commission (EAC) of ABET, the global accreditor of college and university programs in applied and natural science, computing, engineering, and engineering technology.

ABET accreditation assures that programs meet standards to produce graduates ready to enter critical technical fields that are leading the way in innovation and emerging technologies and anticipating the welfare and safety needs of the public.

“Receiving this accreditation will benefit our current and future students enrolled in these programs,” said John Katers, dean of the College for Science, Engineering and Technology which includes the Richard J. Resch School of Engineering. “Students seek out accredited programs in engineering knowing that when they graduate, they will have a more direct path to receiving national licensure and certification. Additionally, it demonstrates to business and industry that graduates from these programs have received the best possible education based on a comprehensive, third-party review.

Sought worldwide, ABET’s voluntary peer-review process is highly respected because it adds critical value to academic programs in the technical disciplines, where quality, precision and safety are of the utmost importance.

Developed by technical professionals from ABET’s member societies, ABET criteria focus on what students experience and learn. ABET accreditation reviews look at program curricula, faculty, facilities, and institutional support and are conducted by teams of highly skilled professionals from industry, academia and government, with expertise in the ABET disciplines.

The Richard J. Resch School of Engineering is dedicated to providing the highest level of instruction, combined with hands-on learning to give engineering students the knowledge and skills needed within today’s regional workforce. “Obtaining this accreditation signifies that the Resch School of Engineering is committed to achieving the highest standards,” said Katers, “and that graduates from our programs will be well-qualified innovators, with the skills necessary to have immediate impact. The ABET accreditation for the mechanical engineering program also demonstrates the commitment and dedication of our faculty and staff, with Prof. Patricia Terry serving as the chair of the Resch School of Engineering, and Prof. Jagadeep Thota serving as chair of engineering. I am also particularly proud that the ABET review listed the program strengths as being the new and renovated spaces, the exceptional collection of equipment, and the local industry support for internships, co-ops and employment that provides students with practical industry experience and substantially enhances their engineering education.”

ABET is a nonprofit, non-governmental organization with ISO 9001:2015 certification. It currently accredits 4,361 programs at 850 colleges and universities in 41 countries and areas. More information about ABET, its member societies and the accreditation criteria used to evaluate programs can be found at www.abet.org.



Engineering
Accreditation
Commission

Human Biology Faculty and Staff



Resch School of Engineering Faculty and Staff



Natural and Applied Sciences Faculty and Staff



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