Welcome from the Department Chair

Dear WSU Community,

I am pleased to welcome you to the Department of Biological Systems Engineering (BSE) at Washington State University (WSU). Our department offers a unique combination of expertise, resources, and opportunities for students and researchers.

The BSE faculty and staff are dedicated to providing a high-quality educational experience that prepares students for successful careers in the fields of biological systems engineering. Our curriculum emphasizes the integration of biology, chemistry, and engineering principles, with a focus on solving real-world problems through innovative and sustainable solutions.

We are deeply committed to fostering a diverse and inclusive community, where all students, faculty, and staff can thrive and contribute to our collective success. Our department values diversity in all its forms, including race, ethnicity, gender, sexual orientation, gender identity, religion, disability, age, marital status, and social and economic background.

We are excited about the future of BSE and are committed to continuing our tradition of excellence in teaching, research, and service. We look forward to working with our students, faculty, and staff to achieve our goals and create a positive impact on the world.

Sincerely,
[Signature]
Department Chair, BSE

Department News

Newly elected Fellows of the National Academy of Inventors

Welcome to the new members of the National Academy of Inventors (NAI), an esteemed group of inventors, scientists, and engineers who have made significant contributions to the advancement of knowledge through their research and development in various fields.

These new members exemplify the highest values and ideals of our Academy and will continue to inspire and lead the next generation of inventors.

Alumni News

Alumni Gift to WSU CALS

The Department of Biological Systems Engineering is thrilled to announce a recent donation from a group of dedicated alumni. This generous gift will support our department's mission of providing a high-quality education and research experience for our students.

This donation will help us continue to attract and retain top talent, provide state-of-the-art facilities and resources, and advance our research programs. We are grateful to our alumni for their ongoing support and commitment to the success of the Department of Biological Systems Engineering.

Probiotic Research at WSU

The Department of Biological Systems Engineering is proud to be at the forefront of probiotic research, which has the potential to revolutionize healthcare and agriculture.

Our research focuses on understanding the health benefits of probiotics, including their role in gut health, immune function, and disease prevention. We are exploring new approaches to produce and deliver probiotics, with the goal of developing effective and safe probiotic products for human and animal health.

In addition to our research, we are committed to educating our students in this rapidly evolving field. Our courses and research programs provide students with the skills and knowledge they need to succeed in this exciting field.

We believe that our research and education efforts will have a significant impact on the health and well-being of people around the world.

Thank you for your support and for choosing the Department of Biological Systems Engineering as your academic home. We look forward to working with you to achieve our goals.

Sincerely,
[Signature]
Department Chair, BSE
When asked about their experience with shop night this is what a few participants said:

"My favorite part of the event was being able to work on a group project and collaborate with students I don't usually interact with. I loved the opportunity to learn from others and teach them about my own skills.

"I enjoyed the variety of workshops offered that evening. Being able to choose from different activities was a great way to learn new things and have fun.

"I was really impressed with the level of technical expertise demonstrated by those involved in the project. It was interesting to see how they were able to take our ideas and turn them into something tangible.

"The event was a great chance to connect with others who share a passion for technology. I made some new friends and hope to work with them again in the future.

"I was blown away by the creativity and innovation on display throughout the night. It was inspiring to see what people can achieve when they work together.

"The event was a fantastic opportunity to get hands-on experience and apply what I've learned in class. I'm looking forward to attending another workshop soon."
In Memoriam: Irvin D. “Duke” Heins, a 1972 Agricultural Engineering alumnus who passed away in early June, is being remembered for his dedication to agricultural engineering and his contributions to the field.

Our annual Achievement Awards recognize outstanding students, faculty, and staff within the College of Engineering in aggregates and molecular biological systems. The students' projects this year included innovative solutions for sustainable practices and impactful research in agricultural engineering.

The Student Research Group (SRGC) is an organization dedicated to fostering research and collaboration among students in various engineering fields. This year, the SRGC held several events to promote networking and discussion among students and faculty.

BSE 509 – Biological Systems Engineering Design Practicum II

In this course, students work in teams on projects that address real-world challenges in the field of biological systems engineering. The projects are designed to provide hands-on experience and encourage critical thinking.

Graduate student, Weizheng Fan, presents a biological model developed in the course.

Alumni News: Stephen Meixner, a 1970 Agricultural Engineering graduate, has been named the new director of the Meijun and Ben Wang Endowed Scholarship, established to support students in the field of agricultural engineering.
Wisconsin Section of ASABE

The WI Section hosted an outstanding Summer Social Event in July 2022 attended by 35 people from both the WI and IA Sections. The day included a tour and beer tasting at New Glarus Brewery in New Glarus, WI. That was followed by a meal and wine tasting at Bailey’s Run Vineyard also in New Glarus. The WI Section is planning another similar Summer Social Event for 2023 – stay tuned!

The Fall 2022 WI Section meeting featured a tour of the MacDon Enterprises US Design Studio located in Sun Prairie. The attendance was excellent with over 80 folks from the WI, IA, and Chicago Sections. This relatively new MacDon facility has an engineering center and experimental shop. Vice-President of Product Development Neal Barnett (UW BSE MS 1998) and Product Engineering Leader Cyrus Nigon (UW BSE 2018) provided presentations about the MacDon product development process. Almost 200 engineers, students, and guests attended WI Section meeting in 2022, showing that the WI Section is an active and engaged organization.

Recent Graduates

Biological Systems Engineering - Bachelor’s Degrees

- Abdallah, Amir Mahmoud
- Berger, Adin Joseph
- Boeckmann, Allison Jaye
- Dustman, Paul
- Fisher, Ashley
- Henneberry, Finn
- Jannusch, Zachary Thomas
- Klaubauf, Collin Anthony
- Lee, Donggun
- Leja-Brennan, Thomas
- Loya, Charles Steven
- Myse, Roman Laine
- Pham, Aaron Tyler
- Rachum, Emma Leila
- Rauch, Joshua Paul
- Schult, Joseph Thomas
- Trast, Owen
- Udelhoven, Tanner
- Widowski, Luke Richard
- Xiong, Cheng

Our Donors (June 2022 - November 2022)

- Jonathan Accola
- Marjorie Accola
- Patrice Accola
- Eliot Bergeland
- Robert and Linda Brown
- Martin and Kathleen Burkhardt
- Diann and Maynard Chapman
- CNH Industrial America LLC
- Compeer Financial
- Kevin and Anita Conners
- Peggy and Richard Daluge
- Jeanne and Edwin Eloranta
- Donald and Sharon Erbach
- Darrel Feucht
- Fang and Haibo Guo
- Mary and Donald Harkness
- Wayne Hefty and Mary Spaay
- Marcy and Kenneth Heim
- Donald and Emily Henderson
- Cheryl and Glen Hermanson
- Mary Hightower
- Brian and Jill Huenink
- Thomas Kitslaar
- Andrea Klahn
- Richard and Cynthia Klemme
- David and Marlese Lindsay
- David Logan
- Elaine and Nicholas Mischler
- Dwight and Mary Mueller
- Astrid Newenhouse and Kurt Meyer
- Daniel Pederson
- James Peterson
- Carol Philipps and Roderick Rynes
- Kathy Rutten
- Nan and Bob Schaefer
- Ronald and Barbara Schuler
- Jennifer Sheridan
- John and Kathleen Shutske
- Rakesh and Sunita Singh
- Elaine Staley
- Richard and Margaret Straub
- Melissa and Craig Sylte
- Vivian Vaudreuil

Support BSE

We are sincerely grateful to our friends and alumni who continue to support our department through generous donations. These gifts help support our faculty and students through education, training, outreach, and research. Interested in joining other alumni, friends, and co-workers in supporting the BSE mission? Click the link below to learn more.