BIological Systems Engineering, B.S.

Wisconsin Experience

Through our curriculum, BSE students have opportunities for many high-impact learning experiences including hands-on lab courses, involvement in student organizations, and BSE’s capstone design classes. Introductory engineering courses and career management courses are built into the curriculum to make sure you have a community to succeed both at UW–Madison and after you graduate.

Beyond traditional classes, our students work or perform independent study with professors not only in BSE but throughout the campus. Many campus labs and shops need students who know how to design and build systems, skills at which you will excel through your experiences in BSE. Outside the university, BSE students can take advantage of internships and co-ops, but are also in high demand for programs such as Peace Corps and Engineers without Borders. BSE has an active student organization ASABE (http://asabe.bse.wisc.edu/), where students network with professionals and provide service projects to the community.

As a BSE student, you will be proud that you are contributing to the social and economic well-being of Wisconsin and beyond by designing solutions to feed and fuel the world in a sustainable manner. Many of our students go on to work in the following areas:

- Machinery systems that support the agricultural production sector including precision agriculture, cultural and processing technology, and logistics for crop and animal production with a focus on dairy facilities and milking technology.
- Natural resource systems that support both agricultural producers and environmental agencies in the areas of air and water quality, and waste mitigation and utilization.
- Food production systems that support the food industry striving for improvements in food processing, safety, and security.
- Bioprocessing systems that support bioenergy and bioproducts industries including biomass production and logistics systems, biomass conversion technologies, and forest products.

Or, you may take the skills you learn through your experiences at BSE and apply them to a brand new challenge. We are excited to see what you will do.