Biological Systems Engineering, B.S.

Resources and Scholarships

Scholarships
All BSE students are encouraged to apply annually for department and CALS scholarships through the Wisconsin Scholarship Hub (WiSH). Each year the BSE department selects more than two dozen outstanding students to receive financial support through scholarships.

The BSE Shop
The Biological Systems Engineering Shop is dedicated to providing BSE students a hands-on experience with machining equipment found throughout the production sector of industry. The shop, located at 540 Elm Drive, is open to all BSE students who have completed the shop safety form (renewed annually) and have read and understood the Shop Rules and Regulations. In addition, a yearly refresher is required which consists of watching the shop safety presentation and completing a short, yearly safety quiz. Whether you have never worked in a shop before, or already feel at home working with this type of machinery, we welcome you to the BSE Shop and want to make you feel comfortable in this learning environment.

BSE students are welcome to learn various machining and metal fabrication techniques as well as woodworking skills. These skills are aimed at improving students’ understanding of the design, fabrication, and assembly processes through one-on-one training and hands-on operation of the machines—before they enter the workforce. To operate any of the shop machines, students must first be authorized by completing the online Canvas course and provide a one-on-one, hands-on operation with the shop supervisor to demonstrate understanding of the machine’s controls and capabilities. To maintain a safe work environment, the shop is under 24-hour video surveillance. For additional details, please see Shop Info for Students (https://bse.wisc.edu/bse-shop-home/shop-info-for-students/).

CAE Computer Lab
A dedicated student computer lab in room 217 of the Agricultural Engineering Building offers 10 computer workstations and space for group work. These machines have the same software packages as those found in Computer Aided Engineering labs on the Engineering campus. A CAE printer is also provided.

The B1 Lounge
In the basement of the Agricultural Engineering Building is a large room with multiple tables and chairs that can be used for group study or individual work. Department-wide social events are also held here. A microwave oven and vending machines are available for student use.