

B.S. in Applied Biology

The Applied Biology program is flexible, offering 20 hours of open electives that allow students to tailor upper-division coursework to their academic interests and career goals.

All students complete a capstone project, internship, or research experience in biology or chemistry tailored to their individual interests. Projects may include biomedical or microbiological laboratory research, environmental monitoring and GIS-based analysis, or aviation sustainability. Internship and experiential learning opportunities are available with partners such as KP Aviation, The Boeing Company, the Northern Arizona VA Health Care System, and Yavapai Regional Medical Center, as well as with state and regional agencies.

Tracks

Students may pursue focused study through either the Health Sciences track or the Environmental Sciences track.

The Health Sciences track supports pathways into medical school, physician assistant programs, and graduate study through advanced laboratory coursework and applied biomedical experience. The Environmental Sciences track emphasizes applied environmental analysis, GIS and remote sensing, and aviation sustainability, equipping students to address biological challenges related to infrastructure, regulatory systems, and environmental monitoring.