

AGRICULTURAL SYSTEMS MANAGEMENT, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Description

The Agricultural System Management minor covers the mechanical, natural resource, processing, and electronic technologies applied in agriculture systems. Students who graduate with this minor will have a solid understanding of how physical sciences and biological principles apply to real world problems in food and fiber industries. With industry teams often formed purposefully with many disciplines represented, this background of applied engineering basics and the focus on quantitative analysis has proven helpful to past graduates.

Integration of the applied technologies is addressed using a systems approach in each required course. Technologies addressed by courses in this minor include electric motors, mechanical and hydraulic power transmission systems, mobile equipment functions and operations, sensor and control systems. The minor is targeted to students who will use these technologies or manage others who are responsible for systems utilizing these technologies. Most courses required for the minor are taught by engineering faculty, and nearly every course has a laboratory period.

What is Agricultural Systems Management?

The Agricultural System Management minor covers the mechanical, natural resource, processing, and electronic technologies applied in agricultural systems. Students can gain a solid understanding of how physical sciences and biological principles apply to real-world problems in food and fiber industries. With industry teams often being multidisciplinary, graduates have found the basic applied engineering and quantitative analysis covered in this minor to be helpful. Technologies addressed by courses in this minor include combustion engines, electric motors, mechanical and hydraulic power transmission systems, mobile equipment functions and operations, sensor and control systems, irrigation, and drainage. The minor is targeted to students who will use these technologies or manage others who are responsible for systems utilizing these technologies. Most courses required for the minor are taught by engineering faculty, and nearly every course has a laboratory period.

You Might Like This Program If...

- You are pursuing an engineering or engineering technology major and want to complement it with applications in agriculture, food, and/or the environment.
- You want to take application-focused classes with interactive labs and hands-on learning opportunities.
- You are interested in solving problems related to fundamental societal needs, like food, water, fiber, and renewable energy.
- You are passionate about sustainability and technology.