

# Agricultural Mech Courses

---

## **AMC 2303 - Agricultural Welding Techniques**

Hours: 3

(AGRI 2303) Three semester hours (2 lec / 2 lab) Introduction to oxy-fuel cutting/welding, shielded metal arc welding, and gas metal arc welding processes in context of applications in agricultural equipment repair and fabrication.

## **AMC 297 - Special Topics**

Hours: 1-4

## **AMC 315 - Agri Systms Technology Mgmt**

Hours: 3

Agricultural Systems Technology Management. Three semester hours (2 lecture, 2 lab). Preliminary study to acquaint student professionals with the principles and theories needed to comprehend and manage agricultural and environmental technology; introduce the application of information technology to agricultural and environment systems; develop mathematical concepts and unit analysis skills associated with machinery and equipment, industry and marketing, energy, structural and environmental and natural resource systems. Focus shall be on basic knowledge rather than on in-depth analysis of the systems covered. Prerequisites: Math 141 or consent of the instructor.

## **AMC 389 - Independent Study**

Hours: 1-4

Independent Study. One to four semester hours. Individualized instruction/research at an advanced level in a specialized content area under the direction of a faculty member. May be repeated when the topic varies. Prerequisite: Consent of department head.

## **AMC 397 - Special Topics**

Hours: 1-4

Special Topics - 1-4 Semester Hours

## **AMC 424 - Agricultural Safety**

Hours: 3

Three semester hours (2 lec / 2 lab) Principles and strategies for implementing safety training and reducing risk of injuries in agricultural enterprises including shop and machinery operations, chemical applications, livestock handling, transportation, and farm-based recreation. Prerequisites: Junior or instructor approval.

## **AMC 425 - Housing and Home Improvement**

Hours: 3

This course addresses contemporary issues relevant to residential family housing and home improvement.

## **AMC 426 - Agri Power & Energy Management**

Hours: 3

A study of the principles and theories needed to comprehend and manage agricultural and environmental technology associated with machinery/equipment and energy systems. Reduction and synthesis of natural and applied science principles which involve mechanical, electrical, chemical power systems; the adjustments, fabrication, maintenance, repair and man agreement of machines and equipment utilized in said systems; knowledge of entrepreneurship, client relations, communications, economics, safety, service, planning, and regulation of technologies associated with agriculture and the environment.

## **AMC 428 - Laboratory Management in Agricultural Mechanization**

Hours: 3

Principles and techniques for planning, organizing, and supervising instructional activities in agricultural mechanization. Topics include lab safety, inventory control, equipment selection, skill development, and assessment methods.

## **AMC 489 - Independent Study**

Hours: 1-4

Independent Study. One to four semester hours. Individualized instruction/research at an advanced level in a specialized content area under the direction of a faculty member. May be repeated when the topic varies. Prerequisite: Consent of department head.

## **AMC 497 - Special Topics**

Hours: 1-4

Special Topics. One to four semester hours. Organized class. May be repeated when topics vary.