

# Agricultural Systems Technology Management (ASTM)

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## Courses

### **ASTM 5010V. Special Topics in Agricultural Mechanization. 1-4 Hour.**

Topics not covered in other courses or a more intensive study of special topics in agricultural mechanization. Graduate degree credit will not be given for both ASTM 4020V and ASTM 5010V. (Typically offered: Irregular) May be repeated for degree credit.

### **ASTM 5100V. Special Problems in Ag Systems Technology. 1-4 Hour.**

Individual investigation of a special problem in agricultural communications which is not available through regular courses. These will be directed by a member of the graduate faculty. (Typically offered: Irregular) May be repeated for up to 4 hours of degree credit.

### **ASTM 52003. Mechanized Systems Management. 3 Hours.**

Selection, sizing, and operating principles of agricultural machinery systems, including power sources. Cost analysis and computer techniques applied to planning and management of mechanized systems. Graduate degree credit will not be given for both ASTM 42003 and ASTM 52003. Corequisite: Lab component. Prerequisite: MATH 11003. (Typically offered: Fall Even Years)

### **ASTM 5750V. Internship in Agricultural Systems. 1-6 Hour.**

Scheduled practical field experiences under supervision of a professional practitioner. (Typically offered: Fall, Spring and Summer) May be repeated for up to 6 hours of degree credit.

This course is cross-listed with ACOM 5750V, AGL 5750V, EXED 5750V.

### **ASTM 59703. Irrigation. 3 Hours.**

Methods of applying supplemental water to soils to supply moisture essential for plant growth, sources of water, measurement of irrigation water, pumps, conveyance structure, economics, and irrigation for special crops. Lecture 2 hours, laboratory 2 hours per week. Graduate degree credit will not be given for both ASTM 49703 and ASTM 59703. Corequisite: Lab component. (Typically offered: Spring)