

Agricultural Technology Management Recommended Course Lists—Effective Spring 2013

LIST 1: COMMUNICATION ELECTIVES

AGCOM 400	Agricultural Business Communications	3
AGCOM 410	Agricultural Student Magazine	2
ENGL 300	Expository Writing III	3
ENGL 516	Written Communications for the Sciences	3
COMM 311	Business and Professional Speaking	3
COMM 321	Public Speaking II	3
COMM 322	Interpersonal Communications	3
COMM 325	Argumentation and Debate	3
COMM 326	Small Group Discussion Methods	3
COMM 726	Seminar in Persuasion	3
MC 200	News and Feature Writing	3
MKTG 542	Professional Selling and Sales Management	3
AGED 706	Principles of Teaching Adults in Extension	3

LIST 2: HUMANITIES AND/OR SOCIAL SCIENCE ELECTIVES

- American ethnic studies—any course
- Architecture, planning, and design—any course in history or appreciation of architecture or environmental design
- Anthropology—any course
- Art—course in appreciation and theory
- Dance—any course
- Economics—above ECON 110 Principles of Macroeconomics
- English—any except courses in composition
- Geography—any except GEOG 220 Environmental Geography I and GEOG 221 Environmental Geography II
- History—any course
- Family studies and human services—any course
- Modern languages—any course
- Music—any course in theory or appreciation of music
- Philosophy—any course
- Political science—any course
- Psychology—any course
- Sociology, anthropology, and social work—any course
- Theatre—any course
- Women’s studies—any course

LIST 3 ATM ELECTIVES

ATM 250	Chemical Applications Systems	2
ATM 251	Chemical Application Systems Laboratory	1
ATM 455	Engines and Power Transfer	3
ATM 460	Internship in Agricultural Technology Management	1-3
ATM 511	Agricultural Building Systems	3
ATM 515	Problems in Ag Tech Mgmt	VAR
ATM 550	Precision Ag Technologies	3
ATM 653	Water Management and Irrigation Systems	2
ATM 654	Water Management and Irrigation Systems Lab	1
ATM 661	Watershed Management	3

LIST 4 TECHNOLOGY ELECTIVES

AGRON 655	Site Specific Agriculture	3
GENAG 582	Natural Resources/Env Sciences Project	3
GEOG 508	Geographic Information Systems I	4
GRSC 540	Engineering Apps in Grain/Food Products	3
GRSC 541	Engineering Apps in Grain/Food Products Lab	1
GRSC 610	Electricity & Control for Grain Processing Industry	3
GRSC 655	Cereal Food Plant Design & Construction	3

Any Other College of Engineering Course

LIST 5: AGRIBUSINESS AND MANAGEMENT ELECTIVES











Any Agricultural Economics coursees		
ACCTG 241	Accounting for Investment & Financing	3
ECON 520	Intermediate Macroeconomics	3
ECON 530	Money and Banking	3
ECON 681	International Economics	3
FINAN 450	Principles of Finance	3
IMSE 501	Industrial Management	3
MANGT 390	Business Law I	3
MANGT 420	Management Concepts	3
MANGT 421	Introduction to Operations Management	3
MKTG 400	Introduction to Marketing	3
MKTG 450	Consumer Behavior	3
GRSC 630	Mgmt Apps in the Grain Processing Industries	3

LIST 6: BIOLOGICAL, NATURAL RESOURCE & ENVIRONMENTAL SCIENCES

















AGRON 220	Crop Science	4
AGRON 330	Weed Science	3
AGRON 335	Environmental Quality	3
AGRON 360	Crop Growth and Development	3
AGRON 375	Soil Fertility	3
AGRON 385	Soil Fertility Laboratory	2
AGRON 501	Range Management	3
AGRON 515	Soil Genesis and Classification	3
AGRON 550	Forage Management and Utilization	3
AGRON 630	Crop Improvement and BioTechnology	3
AGRON 635	Soil Conservation and Management	3
AGRON 655	Site Specific Agriculture	3
ASI 500	Genetics	3
BIOL 303	Ecology of Environmental Problems	3
BIOL 330	Public Health Biology	3
BIOL 455	General Microbiology	4
BIOL 500	Plant Physiology	4
BIOL 513	Physiological Adaptations of Animals	3
BIOL 529	Fundamentals of Ecology	3
BIOL 612	Freshwater Ecology	4
CHM 315	Environmental Science: Chemistry Perspective	3
ENTOM 300	Economic Entomology	2/3
ENTOM 301	Insects and People	3
GEOG 221	Environmental Geography I	4
GEOG 508	Geographic Information System I	4
GEOL 305	Earth Resources	3
GEOL 506	Environmental Studies	2
HORT 201	Principles of Horticultural Science	4
PLPTH 300	Microbes, Plants, and the Human Perspective	3
PLPTH 500	Principles of Plant Pathology	3
GENAG 582	Natural Resources/Env Sciences Project	3
GENAG 670	Introduction to Ag. Resources & Environ Mgmt	2

Horticulture, Forestry and Recreation Resources courses with consent of advisor.

LIST 7: ANIMAL SCIENCES ELECTIVES

	ASI 102 Principles of Animal Science	3
	ASI 315 Livestock and Meat Evaluation	3
	ASI 318 Fundamentals of Nutrition.....	3
	ASI 320 Principles of Feeding.....	3
	ASI 400 Farm Animal Reproduction	4
	ASI 422 Livestock Sales Management	0/1
	ASI 450 Principles of Livestock Selection	2
	ASI 470 Form and Function in Livestock.....	2
	ASI 510 Animal Breeding Principles.....	3
	ASI 512 Bovine Reproductive Technologies	2
	ASI 515 Beef Science	3
	ASI 521 Horse Science	3
	ASI 524 Sheep and Meat Goat Science	3
	ASI 533 Anatomy and Physiology.....	4
	ASI 535 Swine Science	3
	ASI 620 Beef Management Systems.....	2
	ASI 655 Behavior of Domestic Animals	3
	AGRON 501 Range Management	3
	AGRON 550 Forage Management and Utilization	3
	AGRON 551 Forage Management and Utilization Laboratory	1
	BIOCH 265 Introductory Organic and Biochemistry	5
	ENTOM 305 Animal Health Entomology	2
	ENTOM 306 Animal Health Entomology Laboratory	1

LIST 8: PROCESSING TECHNOLOGY ELECTIVES

	ASI 350 Meat Science	3
	ASI 361 Meat Animal Processing	2
	ASI 370 Principles of Meat Evaluation	3
	ASI 405 Fundamentals of Milk Processing	3
	ASI 608 Dairy Food Processing & Technology	3
	ASI 610 Processed Meat Operations.....	2
	FDSCI 302 Introduction to Food Science.....	3
	FDSCI 305 Fundamentals of Food Processing.....	3
	FDSCI 430 Food Products Evaluation.....	3
	FDSCI 607 Food Microbiology	4
	FDSCI 690 Principles of HACCP.....	3
	FDSCI 694 Food Plant Management	3
	FDSCI 695 Quality Assurance of Food Products	3
	GRSC 150 Principles of Milling	3
	GRSC 500 Milling Science I.....	4
	GRSC 510 Feed Technology I	4
	GRSC 540 Engineering Apps in Grain/Food Products.	3
	GRSC 541 Engineering Apps in Grain/Food Process Lab	1
	GRSC 602 Cereal Science.....	3
	GRSC 610 Electricity & Its Control Grain Processing Ind	3
	GRSC 620 Extrusion Processing in the Food & Feed Ind.....	4
	GRSC 630 Management Applications in Grain Process Ind	3
	GRSC 651 Food & Feed Product Protection	4
	GRSC 655 Cereal Food Plant Design & Construction	3