

B.S. DAIRY SCIENCE 2007-2009

ADVISOR APPROVED ELECTIVE AREAS - *41 units/area

(*44 units for Pre-Veterinary)

Units

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DAIRY MANAGEMENT		
Agribusiness MINOR		
AGB 212	Agricultural Economics	4
AGB 301	Food and Fiber Marketing	4
AGB 310	Agribusiness Credit and Finance	4
AGB 401	Managing Cultural Diversity in Ag. Labor	4
BUS 212 or AGB 321	Financial Acctg. or Farm Records	4
	Agribusiness Elective Courses	8
	Elective	13

PRE-VETERINARY		
*Requires 44 units (3 from free electives)		
BIO 162	Introduction to Organismal Form & Function	5
BIO 303	Survey of Genetics	4
CHEM 128 & 129	General Chemistry I & II (4+4)	8
CHEM 316 & 317	Organic Chemistry I & II (5+5)	10
CHEM 371	Biochemical Principles	5
PHYS 121 & 122	College Physics I & II (4+4)	8
VS 438	Systemic Animal Physiology	4

DAIRY PRODUCTS TECHNOLOGY		
CHEM 313	Survey of Biochemistry & Biotechnology	5
FSN 230	Elements of Food Processing	4
FSN 270	Food & Wine Plant Sanitation	4
FSN 275	Principles of Food Safety & Hazard Analysis	4
FSN 323	Statistical Quality Control	3
FSN 330	Introduction to Principles of Food Engineering	4
FSN 335	Food Quality Assurance	4
MCRO 342	Sanitary Microbiology	4
MCRO 421	Food Microbiology	4
STAT 130 or 218	Intro. to Statistical Reasoning or Applied Stats	4
	Elective	1

DAIRY PRODUCTS TECHNOLOGY		
Pre-Graduate Studies		
CHEM 313 or 371	Survey Biochem & Biotech/Biotech Principles	5
FSN 230	Elements of Food Processing	4
FSN 270	Food & Wine Plant Sanitation	4
FSN 275	Principles of Food Safety & Hazard Analysis	4
FSN 323	Statistical Quality Control	3
FSN 335	Food Quality Assurance	4
MCRO 342	Sanitary Microbiology	4
MCRO 421	Food Microbiology	4
PHYS 121	College Physics 1	4
STAT 313	Applied Experimental Design & Regression	4
	Elective	1

DAIRY PRODUCTION		
Pre-Graduate Studies		
ASCI 420	Animal Nutrition	3
BIO 162	Introduction to Organismal Form & Function	5
BIO 303	Survey of Genetics	4
CHEM 128	General Chemistry	4
CHEM 316 & 317	Organic Chemistry I & II (5+5)	10
CHEM 371	Biochemical Principles	5
STAT 313	Applied Experimental Design & Regression	4
VS 229	Anatomy & Physiology of Farm Animals	4
	Elective	2

DAIRY INDUSTRY		
DSCI 223 or 241	Alternate courses from major column	4
DSCI 401 or 301 AND DSCI 402 or 333		8
DSCI 433 or 432 AND DSCI 434 or 330		8
DSCI 435 or 422 AND DSCI 444 or 321		8
CHEM 312 or 313	Organic Chem; Biochem/Biotech	5
FSN 125	Introduction to Food Science	5
	Elective	3

AG COMMUNICATIONS		
Agricultural Communications MINOR		
AGED 404	Agricultural Leadership (Prereq Psy201 or 202)	3
JOUR 203	Writing for the Media	4
JOUR 205	Agricultural Communications	4
COMS 301	Business & Professional Communication	4
	Selected courses approved for AGComm. Minor	15
	Elective	11

AGRICULTURAL EDUCATION		
AGB 301	Food and Fiber Marketing	4
AGED 102	Intro. to Agricultural Ed & Communication	2
AGED 330	FFA & Supervised Ag. Programs	6
AGED 404	Agricultural Leadership	3
ASCI 112	General Animal Science	3
BRAE 121	Agricultural Mechanics	2
BRAE 141	Agricultural Machinery Safety	3
CRSC 123	Forage Crops	4
EHS 230	Environmental Horticulture	4
NR 141	Introduction to Forest Ecosystem Mgmt	3
FRSC or VGSC 230	CA Fruit Growing or Intro. to Vegetable Science	4
	Elective	3