Department of Agriculture  
Texas State University- San Marcos

General Agriculture  
with Teacher Certification  
2009

FRESHMAN YEAR

☐ Careers in Agribusiness and Industry (AG 1110)  
☐ Basic Animal Science (AG 1445)  
☐ Computer Applications in Agriculture (AG 2390)  
☐ Functional Biology (BIO 1430)  
☐ College Algebra (MATH 1315)  
☐ or Mathematics for Business and Economics I (MATH 1319)  
☐ Fundamentals of Speech Communication (COMM 1310)  
☐ College Writing I (ENG 1310)  
☐ College Writing II (ENG 1320)  
☐ University Seminar (US 1100)  
☐ History of the US to 1877 (HIST 1310)  
☐ History of the US, 1877 to Present (HIST 1320)  
☐ Physical Education (PFW) 2 Activities

TOTAL 33 HOURS

SOPHOMORE YEAR

☐ Agronomic Crops (AG 2313)  
☐ or General Horticulture (AG 2379)  
☐ Introduction to Agricultural Engineering (AG 2373)  
☐ Introduction to Agricultural Economics (AG 2383)  
☐ Metals and Welding Processes for Agriculture (AG 2374)  
☐ Literature (ENG 2310, 2320, 2330, 2340, 2359 or 2360) 3 hours  
☐ General Chemistry I (CHEM 1341)  
☐ General Chemistry I Lab (CHEM 1141)  
☐ General Philosophy (PHIL 1305) or Ethics in Society (PHIL 1320)  
☐ Choose one from: Cultural Anthropology (ANTH 1312),  
World Geography (GEO 1310), Intro to Psychology (PSYC 1300),  
Intro to Sociology (SOCI 1310)]  
☐ ART, DAN, MU or TH 2313

TOTAL 28 HOURS

JUNIOR YEAR

☐ Soil Science I (AG 3426)  
☐ International Food and Fiber Systems (AG 3319)  
☐ Farm Management (AG 3317)  
☐ or Agriculture Business Management (AG 3318)  
☐ Feeds and Feeding (AG 4325)  
☐ Special Topics in Career & Technology Edu (CATE 3313D)  
☐ or Applied Leadership Principles (AG 2310)  
☐ Internal Combustion Engines (AG 3310)  
☐ or Agriculture Structures and Environment (AG 3353)  
☐ or Agriculture Electric and Mechanical Systems (AG 4361)  
☐ Secondary Teaching: Curriculum and Technology (CI 4332)  
☐ Principles in American Government (POSI 2310)  
☐ Functions in American Government (POSI 2320)

TOTAL 28 HOURS

SENIOR YEAR

☐ Livestock Selection and Evaluation (AG 3345)  
☐ Current Problems in Technical Agriculture (AG 4185) 2 times  
☐ Organization and Management for Lab Programs (AG 4343)  
☐ Course Building (AG 4212)  
☐ Professional Development in Agriculture (AG 4307)Capstone  
☐ Methods for Career and Technology Educators (AG 4311)  
☐ Student Teaching (AG 4681)  
☐ Teaching Reading in Content Areas (RDG 3323)  
☐ Classroom Management, Legal and Ethical Issues (CI 4370)  
☐ Problems in Adolescence (FCD 3394)

TOTAL 31 HOURS

Last Revised 4/2009