Department of Agriculture
Texas State University - San Marcos

General Agriculture with Certification
Dr. Doug Morrish

FRESHMAN YEAR
☐ Careers in Agri-Business and Industry (ASD 1110) Fall
☐ Animal Husbandry (AG 1445) Fall/Spring
☐ Computer Applications in Agriculture (AG 2390) Fall/Spring
☐ Functional Biology (BIO 1430)
☐ General Chemistry I (CHEM 1341)
☐ General Chemistry I Lab (CHEM 1141)
☐ 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 34 HOURS

SOPHOMORE YEAR
☐ Introduction to Agricultural Engineering (AG 2373) Fall
☐ Introduction to Agricultural Economics (AG 2383) Fall/Spring
☐ Agronomic Crops (AG 2313) Fall or Gen Horticulture (AG 2379) Spring
☐ Metals and Welding Processes for Agriculture (AG 2374) Spring
☐ English Literature (ENG) 3 hrs
☐ Technical Writing (ENG 3303)
☐ College Algebra (MATH 1315)
☐ Mathematics for Life Sciences I (MATH 2321)
☐ General Philosophy (PHIL 1305)
☐ Introduction to Fine Arts (ART 2313)
☐ Principles of American Government (POSI 2310)
☐ Functions of American Government (POSI 2320)
☐ Social Science Perspective (Choose one from: Cultural Anthropology (ANTH 1312), World Geography (GEO 1310), Intro to Psychology (PSYC 1300), Intro to Sociology (SOCI 1310))

TOTAL 33 HOURS

JUNIOR YEAR
☐ Range Forage and Pasture Crops (AG 2421) Fall or Plant Materials for Outdoor Landscapes (AG 3305) Fall
☐ or Flowers and Plants for Interior Design (AG 3306) (3-4 hours) Fall/Spring
☐ Internal Combustion Engines (AG 3310) Fall
☐ Soil Science (AG 3426) Fall/Spring
☐ Feeds and Feeding (AG 4325) Fall/Spring
☐ Farm Management (AG 3317) Fall
☐ or Agricultural Business Management (AG 3318) Spring/Spring
☐ Agricultural Structures and Environment (AG 3353) Spring
☐ or Agricultural Electrification (AG 4361)
☐ International Food and Fiber Systems (AG 3319)
☐ Special Topics in Career and Technology Edu. (CATE 3313D)
☐ Public Education in America (CI 3310)

TOTAL 33-34 HOURS

SENIOR YEAR
☐ Livestock Selection and Evaluation (AG 3345) Spring
☐ Organization and Management for Lab Programs (AG 4343) Spring
☐ Course Building (ASD 4212) Spring
☐ Methods for Career and Technology Educators (ASD 4311) Fall
☐ Student Teaching (ASD 4681) Spring
☐ Professional Development in Agriculture (ASD 4301) Capstone Spring/Summer
☐ Current Problems in Technical Agriculture (AG 4185) 3 times
☐ Secondary Teaching: Curriculum and Technology (CI 4332)
☐ Teaching Reading in Content Areas (RDG 3323)
☐ Problems in Adolescence (FCD 3394)

TOTAL 32 HOURS

Concurrent Endorsements for Agricultural Science and Technology: Students completing certification requirements in General Agriculture may secure additional pre-employment program endorsements by completing the following courses:
General Agricultural Mechanics (PEL): Agricultural Machines and Equipment (AG 3375), Land Surveying (AG 3455) or Agriculture Materials Handling (AG 4371E)
Agricultural Power and Machinery (PEL): Agricultural Practices and Pollution Control (AG 3311), Agricultural Machines and Equipment (AG 3375)
Horticulture (PEL): Propagation of Horticulture Plants (AG 3304), Greenhouse and Nursery Management (AG 4300)

Last Revised 9/2006