

Department of Agriculture
Texas State University- San Marcos

Agricultural Business and Management
Systems Specialization
Dr. Aditi Angirasa

FRESHMAN YEAR

- Careers in Agri-business and Industry (ASD 1110)Fall
- Animal Husbandry (AG 1445)Fall
- Computer Applications in Agriculture (AG 2390)Fall/Spring

- Functional Biology (BIO 1430)*
- General Chemistry I (CHEM 1341)
and General Chemistry 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**

*Systems management students may wish to take Physics 1410 and 1420 to satisfy the general studies laboratory science requirement.

TOTAL 34 HOURS

JUNIOR YEAR

- Soil Science (AG 3426)Fall/Summer
- Agribusiness Core **6 hrs** (see bottom)
- Specialization **9-10 hrs** (see bottom)

- Electives **6-11 hrs**
- Principles of American Government (POSI 2310)
- Functions of American Government (POSI 2320)

TOTAL 31-37 HOURS

SOPHOMORE YEAR

- Agronomic Crops (AG 2313)Fall
or General Horticulture (AG 2379)Spring
- Introduction to Agricultural Engineering (AG 2373)Fall
- Introduction to Agricultural Economics (AG 2383)Fall/Spring
- Agribusiness Core **9-10hrs** (see bottom)

- Technical Writing (ENG 3303)
- Literature (ENG) **3 hrs**
- College Algebra (MATH 1315)
or Mathematics for Business and Economics I (MATH 1319)
- General Philosophy (PHIL 1305)
- Principles of Macroeconomic (ECO 2315)
- Social Science Perspective [Choose one from: Cultural Anthropology (ANTH 1312), World Geography (GEO 1310), Intro to Psychology (PSYC 1300), Intro to Sociology (SOC 1310)]

TOTAL 33-34 HOURS

SENIOR YEAR

- Agribusiness Core **6 hrs**
- Professional Development in Agriculture (ASD 4301) Capstone Spring/Summer
- International Food and Fiber Systems (AG 3319)Fall/Summer
- Specialization **14-15 hrs** (see bottom)

- Introduction to Fine Arts (ART 2313)

TOTAL 29-30 HOURS

Agribusiness Core:

- Introduction to Financial Accounting (ACC 2361)
- Agriculture Marketing and Sales (AG 3351)Fall/Summer
- Quantitative Methods in Agriculture Economics (AG 3352)Fall/Summer
- Agricultural Structures and Environment (AG 3353)Spring or Agricultural Machines and Equipment (AG 3375)Spring
- Agricultural Finance (AG 4380)Spring
- Farm Management (AG 3317)Fall or Agricultural Business Management (AG 3318)Spring/Summer
- Math for Business and Economics II (MATH 1329) or Mathematics for Life Sciences I (MATH 2321) or Pre-Calculus Mathematics (MATH 2417).

Specialization Courses:

- Internal Combustion Engines (AG 3310)Fall
- Land Surveying (AG 3455)Spring
- Agriculture Electrification (AG 4361)
- General Physics II (PHYS 1420)
- Metals and Welding Processes for Agriculture (AG 2374)Spring or Agriculture Practices and Pollution Control (AG 3311)Spring or (AG 4371A-E)
 - ✓ *Advanced Farm Power and Machinery*
 - ✓ *Water Utilization and Management*
 - ✓ *Energy Use and Management in Agriculture*
 - ✓ *Agriculture Structures Design*
 - ✓ *Agriculture Materials Handling, or Agricultural Finance*
- Six hours upper division electives w/ approval of department advisor.