

Degree Requirements for Department of Agriculture and Natural Resources

The Department of Agriculture and Natural Resources offers a Master of Science in Agricultural Operations Management (M.S.A.O.M.). The M.S.A.O.M. program is administered through UT New College. The M.S.A.O.M. degree provides an in-depth academic and experiential foundation for applying operations management principles to agricultural systems. The M.S.A.O.M. curriculum is based on two primary knowledge bases: agricultural systems science (which includes management science and agricultural engineering technology) and agribusiness/business. The breadth of the M.S.A.O.M. degree is enhanced with courses in international agriculture, agricultural science, and statistics/advanced mathematics. This body of knowledge and experiential development provides an outstanding platform for continued professional development and growth.

The manager of today's agriculture and natural resources enterprises must oversee and integrate science, technology and management science principles in the following activities:

- Personnel management
- Project scheduling
- Organizational planning
- Environmental planning and compliance
- Safety
- Product sales and support
- Data information and analysis
- Management of biological and chemical technologies
- Finance
- Internal and international communication

Special emphasis is placed on integrating technologies and science into the management of the agriculture and natural resource agencies. Courses in the M.S.A.O.M. program are offered in convenience formats (primarily Web-based); thus the degree can be earned by place-bound professionals.

Students must satisfy the university general requirements and the following requirements specific to the degree.

Master of Science in Agricultural Operations Management (1180)

Resume of Degree Requirements

| | |
|---|---|
| I. Agricultural Systems Science Group | 13 hours |
| Agricultural Operations Management | 7 hours |
| All MSAOM students must complete the following courses: | |
| Agricultural Engineering Technology 781 | Agricultural Operations Management Seminar (1) |
| Agricultural Engineering Technology 784 | Agricultural Systems Science (3) |
| Agricultural Engineering Technology 785 | Decision & Information Systems in Agriculture (3) |

Agricultural Engineering Technology**6 hours**

Choose two courses (6 hours) from:

Agricultural Engineering Technology 650
 Agricultural Engineering Technology 660
 Agricultural Engineering Technology 710
 Agricultural Engineering Technology 760

Agricultural Structures (3)
 Waste Management Technology (3)
 Safety and Ergonomic Sciences in Agriculture (3)
 Comprehensive Nutrient Management Planning
 and Design (3)

Agricultural Engineering Technology 782

Advanced Precision Technologies for Ag & NRM (3)

Technology/Science Elective (3) – Any 600 level or higher course in agricultural engineering technology, biotechnology, or the sciences approved by the M.S.A.O.M. Graduate Supervisory Committee. Only one Technology/Science Elective course (3 hours) may be applied toward the M.S.A.O.M. Agricultural Engineering Technology requirement.

II. Agribusiness/Business Group**9 hours**

Choose three courses (9 hours) from:

Agricultural Economics 665
 Agricultural Economics 671
 Agricultural Economics 715
 Agricultural Economics 735
 Agricultural Economics 745
 Information Systems 761*
 Management 730*
 Management 740*

Agricultural Finance (3)
 Agricultural Management (3)
 Advanced Farm Real Estate Appraisal (3)
 Seminar in International Agricultural Trade (3)
 Agricultural Production Economics (3)
 Information Systems (3)
 Operations Management (3)
 Management of Innovation and Technology (3)

Agribusiness/Business Elective (3) – Any 700 level or higher course in agribusiness, marketing, or management approved by the M.S.A.O.M. Graduate Supervisory Committee. Only one Agribusiness/Business Elective course (3 hours) may be applied toward the M.S.A.O.M. Agribusiness/Business requirement.

*Consult the graduate coordinator of the College of Business and Public Affairs regarding applicable prerequisites.

III. Internship or Research Group**5 hours**

Agriculture 791-792

Research/Internship in Agricultural Operations
 Management (3, 2)

IV. Statistics/Advanced Mathematics Group**3 hours**

Agriculture 741

Statistical Methods in Agriculture (3)

Or a graduate level statistics or mathematics course approved by the M.S.A.O.M. Graduate Supervisory Committee (3).

V. International Agriculture Group**3 hours**

Choose one course (3 hours) from:

Agricultural Economics 735
 Agriculture 732

Seminar in International Agricultural Trade (3)
 International Travel Study (3)

Any 700 level or higher course in international studies approved by the M.S.A.O.M. Graduate Supervisory Committee (3).

VI. Agricultural and Science Electives Group **3 hours**

Any 600 level or higher course in agriculture, natural resources, the sciences, or other course approved by the M.S.A.O.M. Graduate Supervisory Committee.

MINIMUM HOURS REQUIRED FOR DEGREE:36

A minimum of 70 percent of the degree requirements must be taken at the 700 level. All M.S.A.O.M. students must complete a written and oral comprehensive final examination during the semester they expect to graduate. The written and oral portions of the comprehensive final exam will be administered and graded (Pass/Fail) by the M.S.A.O.M. Graduate Supervisory Committee. Students receiving a “Pass” score on the written component of the comprehensive final exam will schedule the oral portion of the final exam at least three weeks prior to graduation. Students must receive a “Pass” score on both the written and oral portions of final exam to graduate.

**Degree Requirements for
Department of Family and Consumer Sciences**

The Department of Family and Consumer Sciences offers a master’s program with two concentrations: General Family and Consumer Sciences and Dietetics. The first concentration is generalist in nature and based on a selected range of comprehensive courses. The Dietetics concentration incorporates a Dietetic Internship Program (DI) accredited by the Commission on Accreditation for Dietetics Education. The DI offers graduates of didactic programs in dietetics a post-baccalaureate, clinically based practicum. Students completing the DI portion of concentration two are eligible to take the registration examination that leads to becoming a Registered Dietitian (RD). This option incorporates the DI practicum into an advanced-degree program which will lead to an M.S. degree. For either concentration in the major, the shared objectives are to:

1. Serve the needs of students within the region and within the state who desire advanced subject matter for personal and professional reasons.
2. Provide an alternative program to highly specialized curricula available at other institutions in the state.
3. Provide courses which permit students to form integrated concepts from distinct subject matter areas available in the department.
4. Meet needs of students who require considerable non-traditional scheduling and flexible time frames to complete their degrees.
5. Maintain high standards of expectation for quality and service to the students, the institutions, and the region.

Students must satisfy the university general requirements and the following requirements specific to the degree.

Master of Science in Family and Consumer Sciences (1251, 1252)

Resume of Degree Requirements

I. General Family and Consumer Sciences Concentration: 30 semester hours

| | |
|--|----|
| Family and Consumer Sciences Courses | 12 |
| Courses selected in one or two areas of Family and Consumer Sciences | |
| Research Related Courses | 6 |
| Family and Consumer Sciences 791 Research Methods (3) | |
| Educational Evaluation 710 Educational Statistics or equiv. (3) | |
| Supporting Courses | 6 |
| Courses selected according to student’s objective and with approval of student’s graduate committee. | |
| Thesis Research/Family and Consumer Sciences Electives for Non-Thesis | 6 |