AGSC - AGRICULTURAL SCIENCE (AGSC)

AGSC 285 Directed Studies
Credits 1 to 4. 1 to 4 Lecture Hours.
Directed individual study of selected problems in agricultural science with emphasis on collection, analysis and presentation of information. May be repeated for credit.
Prerequisite: Approval of instructor.

AGSC 289 Special Topics in...
Credits 1 to 4. 1 to 4 Lecture Hours.
Special topics in an identified area of agricultural science. May be repeated for credit.
Prerequisite: Approval of department head.

AGSC 301 Introduction to Agricultural Science Teaching
Credits 3. 3 Lecture Hours.
Introduction to agricultural science teaching at the secondary level; an overview of preparing teachers for a changing world including knowledge of learners, subject matter and teaching within the context of agricultural science.
Prerequisite: Junior or senior classification.

AGSC 305 Management of Supervised Agricultural Experiences
Credits 3. 3 Lecture Hours.
Overview of supervised agricultural experiences (SAEs) and content that can be used in the secondary agricultural science program; engagement in SAE programs; management practices for SAE projects including record keeping and student reports.
Prerequisite: Junior or senior classification.

AGSC 373 Managing Safety in the Agricultural Science Program
Credits 3. 2 Lecture Hours. 2 Lab Hours.
Safety principles and procedures, methods of teaching and motivating students in agricultural mechanics; design for those preparing to teach agricultural science in Texas public schools.
Prerequisite: Junior or senior classification.

AGSC 380 Workshop in Agricultural Science
Credits 1 to 4. 1 to 4 Lecture Hours.
The study, understanding and solution of human-agricultural problems based on theory learned in the classroom, library, laboratory and fieldwork completed by individuals and teams.
Prerequisite: Junior or senior classification.

AGSC 383 Teaching Agricultural Mechanics
Credits 3. 2 Lecture Hours. 3 Lab Hours.
Methods of teaching and motivating students in agricultural mechanics; designed for students preparing to teach agricultural science in Texas public schools.
Prerequisites: AGSC 301 and AGSC 373.

AGSC 384 Clinical Professional Experience in AGSC
Credits 3. 2 Lecture Hours. 3 Lab Hours.
Clinical field experience for students preparing to teach agricultural science in public schools of Texas; through first-hand observation, students will study learning theories, individual differences, teaching methods, classroom management, curriculum, school climate and culture, and teacher roles and responsibilities.
Prerequisite: AGSC 301.

AGSC 402 Designing Instruction for Secondary Agricultural Science Programs
Credits 3. 2 Lecture Hours. 3 Lab Hours.
Theory and practice in designing instruction for secondary agricultural science programs including effective planning and delivery methods; designed for students preparing to teach agricultural science in Texas public schools.
Prerequisites: AGSC 384; concurrent enrollment in AGSC 405.

AGSC 405 Facilitating Complete Secondary Agricultural Science Programs
Credits 3. 2 Lecture Hours. 3 Lab Hours.
Theory and practice in facilitating secondary agricultural science programs: includes classroom instruction, supervised experience, and youth leadership development; designed for students preparing to teach agricultural science in Texas public schools.
Prerequisites: AGSC 384; concurrent enrollment in AGSC 402.

AGSC 425 Learner Centered Instruction in Agricultural Science
Credits 3. 3 Lecture Hours.
Preparing curriculum materials for secondary agricultural science and adult education programs.
Prerequisites: Grade of C or better in AGSC 402 and AGSC 405.

AGSC 436 Professional Teaching Internship in AGSC
Credits 6. 2 Lecture Hours. 12 Lab Hours.
Planning for and teaching secondary agricultural science in selected high schools in Texas; includes 12 weeks of professional teaching experience under the guidance of a university supervisor and a cooperating teacher in the school.
Prerequisites: Grade of C or better in AGSC 402 and AGSC 405.

AGSC 481 Seminar
Credit 1. 1 Lecture Hour.
Review of current literature and research as related to program development in light of legislation and policies affecting education in agriculture.
Prerequisite: Grade of C or better in AGSC 402 and AGSC 405.

AGSC 484 Field Experience
Credits 1 to 6. 1 to 6 Other Hours.
An on-the-job supervised experience program conducted in the area of the student's specialization.
Prerequisites: Grade of C or better in AGSC 402 and AGSC 405.

AGSC 485 Directed Studies
Credits 1 to 4. 1 to 4 Lecture Hours.
Directed individual study of selected problems in agricultural science with emphasis on collection, analysis and presentation of information. May be repeated for credit.
Prerequisite: Junior or senior classification; approval of instructor.

AGSC 489 Special Topics in...
Credits 1 to 4. 1 to 4 Lecture Hours. 0 to 4 Lab Hours.
Special topics in an identified area of agricultural science. May be repeated for credit.
Prerequisite: Approval of department head.
AGSC 491 Research  
**Credits 1 to 4. 1 to 4 Other Hours.**  
Research conducted under the direction of faculty member in agricultural science. May be repeated 3 times for credit. Registration in multiple sections of this course are possible within a given semester provided that the per semester credit hour limit is not exceeded.  
**Prerequisites:** Junior or senior classification and approval of instructor.

AGSC 494 Internship  
**Credits 1 to 6. 1 to 6 Other Hours.**  
Supervised internship and independent study related to student’s professional interest.  
**Prerequisites:** AGSC 301; junior or senior classification; 2.0 GPR; approval of instructor.