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.