

Agricultural Science (AGSC) Course Descriptions

- **301. Introduction to Agricultural Science Teaching. (3-0). Credit 3.** 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.
- **305. Management of Supervised Agricultural Experiences. Credit 3.** 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.
- **373. Managing Safety in the Agricultural Science Program. (2-3). Credit 3.** Safety principles and procedures, methods of teaching and motivating students in agricultural mechanics; designed for students preparing to teach agricultural science in Texas public schools.
- **380. Workshop in Agricultural Science. (4-0). Credit 1 to 4.** 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.
- **383. Teaching Agricultural Mechanics. (2-3). Credit 3.** Methods of teaching and motivating students in agricultural mechanics; designed for students preparing to teach agricultural science in Texas public schools. Prerequisite: AGSC 301.
- **384. Clinical Professional Experience in AGSC. (2-3). Credit 3.** 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.

402 and 405 are taken the semester prior to student teaching.

- **402. Designing Instruction for Secondary Agricultural Science Programs. (2-3). Credit 3.** 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.
- **405. Facilitating Complete Secondary Agricultural Science Programs. (2-3). Credit 3.** 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.

The following courses are taken during the student teaching semester.

- **425. Learner Centered Instruction in Agricultural Science. (3-0). Credit 3.** Preparing curriculum materials for secondary agricultural science and adult education programs. Prerequisites: AGSC 402 and AGSC 405; senior classification; or approval of department head.
- **436. Professional Teaching Internship in AGSC. (2-12). Credit 6.** 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: Senior classification; completion of the prerequisite sequence of professional courses in agricultural education; full admission into student teaching.
- **481. Seminar. (1-0). Credit 1.** Review of current literature and research as related to program development in light of legislation and policies affecting education in agriculture. Prerequisite: Approval of department head.
- **484. Field Experience. Credit 1 to 6 each semester.** An on-the-job supervised experience program conducted in the area of the student's specialization. Prerequisites: Senior classification; 2.0 GPR; approval of department head.