

CERTIFICATE IN SEED SCIENCE AND TECHNOLOGY

The Seed Science and Technology certificate offers a comprehensive overview of seed analysis and a scientific understanding of seed biology.

Learning Objectives

Students will:

1. Identify plant species by seed structure and anatomy.
2. Demonstrate seed purity, germination, and viability testing procedures.
3. Analyze seed storage and seed deterioration processes.
4. Apply knowledge obtained in program to take the AOSA or SCST exams for their Certified Seed Analyst or Registered Seed Technologist credential.

Requirements Effective Fall 2025

Additional coursework may be required due to prerequisites.

| Code | Title | Credits |
|-------------------------------|--|-----------|
| SOCR 200 | Seed Anatomy and Identification | 1 |
| SOCR 201 | Seed Development and Metabolism | 1 |
| SOCR 300 | Seed Purity Analysis | 2 |
| SOCR 301 | Seed Germination and Viability | 2 |
| SOCR 311 | Seed Quality--Seed Production and Genetics | 1 |
| SOCR 410 | Seed Processes: Storage and Deterioration | 1 |
| SOCR 413 | Seed Vigor Concepts and Testing | 2 |
| SOCR 487 | Internship | 1 |
| Program Total Credits: | | 11 |