

**Program Standards and Matrix
INITIAL PROGRAMS IN AGRICULTURAL EDUCATION**

ND ESPB Standards	
<p>01005.1 The program requires the study of the biological, physical, and applied sciences and mathematics as basic to understanding their application to solving agricultural problems. The program uses a variety of performance assessments of candidates' understanding and ability to apply that knowledge.</p> <p>01005.2 The program requires study and experiences in (1) agricultural engineering and mechanization; (2) plant and soil science and technology; (3) animal science and technology; (4) agricultural economics and business management, and technology related to these areas; and (5) leadership in agriculture. The program uses a variety of performance assessments of candidates' understanding and ability to apply that knowledge.</p> <p>01005.3 The program requires experience in one or more of the specialized occupational areas related to agricultural production and marketing, agricultural equipment and supplies, occupational sales and services, agricultural products, horticultural sciences, agricultural business, natural resource management, or environmental science. The program uses a variety of performance assessments of candidates' understanding and ability to apply that knowledge.</p>	

01005.4 The program requires experiences designed to develop knowledge and involvement in agricultural youth organizations. The program uses a variety of performance assessments of candidates' understanding and ability to apply that knowledge.

01005.5 The program requires studying the methods of teaching agriculture including current trends in agricultural education and safe and appropriate laboratory and classroom practices, with an examination of a variety of teaching methods and techniques. The program uses a variety of performance assessments of candidates' understanding and ability to apply that knowledge.

01005.6 The program requires the study of current, appropriate instructional and agri-science technologies. The program uses varied assessments of candidates' understanding and abilities to apply that knowledge.