Florida Department of Education
CURRICULUM FRAMEWORK

Program Title:	Advanced Concepts of Agriscience
Occupational Area:	Agriscience and Natural Resources
	Secondary
Program Numbers	**8100330**
CIP Number	0101.999902
Grade Level	11-12, 30, 31
Length	1 credit
Certification	AGRI @4
	VOC AGRI @4
	AGRICULTUR 1 @2

I. **MAJOR CONCEPTS/CONTENT:** The purpose of this course is to provide students who have completed or are currently completing an OCP in an agricultural program, a capstone experience in research or problem solving.

The content is prescribed by the instructor based upon the individual student's assessed needs.

II. **LABORATORY ACTIVITIES:** A workstation is provided as required to support the training activities of the student.

III. **SPECIAL NOTE:** FFA (for secondary) and the National Postsecondary Agricultural Student Organization (for postsecondary) are the appropriate Career Technical Student Organizations for providing leadership training and for reinforcing specific vocational skills. Career Technical Student Organizations, when provided, shall be an integral part of the vocational instructional program, and the activities of such organizations are defined as part of the curriculum in accordance with Rule 6A-6.064, FAC.

This course may be taken only by a student who has completed or is currently completing an occupational completion point in a job preparatory program.

IV. **INTENDED OUTCOMES:** After successfully completing this course, the student will be able to:

01.0 Conduct a research project in agriculture using the scientific method.
02.0 Interpret research information.
03.0 Prepare and present research project.
04.0 Demonstrate the impact of agriscience research on the economy.
05.0 Demonstrate leadership, interpersonal and employability skills.

July 2001

Florida Department of Education
STUDENT PERFORMANCE STANDARDS

Program Title: Advanced Concepts of Agriscience
Secondary Number: 8100330
Postsecondary Number:

01.0 CONDUCT A RESEARCH PROJECT IN AGRICULTURE USING THE SCIENTIFIC METHOD--The student will be able to:

01.01 Identify a problem.
01.02 State purpose.
01.03 Conduct research.
01.04 Formulate hypothesis.
01.05 Develop materials list and procedure.
01.06 Conduct experiment to test hypothesis.

02.0 INTERPRET RESEARCH INFORMATION--The student will be able to:

02.01 Present literature review.
02.02 Use agricultural references.
02.03 Review additional references.
02.04 Arrange bibliography.
02.05 Record data and observations.
02.06 Interpret charts and graphs.
02.07 Analyze results.
02.08 Explain probability and statistics.
02.09 State conclusions.

03.0 PREPARE AND PRESENT RESEARCH PROJECT--The student will be able to:

03.01 Gather research findings.
03.02 Present abstract.
03.03 Summarize investigation in a display.
03.04 Present an oral report or demonstration.
03.05 Defend research findings to industry representatives.

04.0 INTERPRET THE IMPACT OF AGRISCIENCE RESEARCH ON THE ECONOMY--The student will be able to:

04.01 Describe the importance of agriscience research on the global economy.
04.02 Explain how your research project will impact the economy.

05.0 DEMONSTRATE LEADERSHIP, INTERPERSONAL AND EMPLOYABILITY SKILLS--The student will be able to:

05.01 Demonstrate respect for the opinions, customs, and individual differences of others.
05.02 Offer and accept criticism constructively.
05.03 Set goals and allocate time to achieve them.
05.04 Demonstrate ability to work with and without supervision.
05.05 Demonstrate appropriate dress, grooming and personal hygiene.

05.06 Describe the need for organization, supervision, rules, policies and procedures.