

## Program and Core Objectives Summary Precision Agriculture

August 2005

OBJECTIVE TYPE & No.	OBJECTIVE DESCRIPTION	FORMATIVE ASSESSMENT	SUMMATIVE ASSESSMENT
<b>Core 1</b>	Effectively communicate electronically, verbally, and in writing	70% or higher on essay portfolio in ENGL 1113 Freshman Comp I or persuasive speech in SPCH 1113 Speech	70% or higher on research paper in ENGL 1213 Freshman Comp II
<b>Core 2</b>	Demonstrate logical, systematic problem-solving techniques	70% or higher on complete set of coursework and exams in STAT 2013 Statistics	70% or higher on complete set of coursework and exams in a Life Science or Physical Science course such as BIOL 1114, BIOL 2104, BIOL 2114, BIOL 2124, CHEM 1314, CHEM 1515, GEOL 1014, PHYS 1114, PHYS 1204, or PHYS 1314
<b>Core 3</b>	Develop and display a sense of personal, social and professional ethics	70% or higher on Professional Interview/Code of Ethics Analysis during PHIL 1213 Ethics	70% or higher on complete set of coursework and exams at completion of PHIL 1213 Ethics
<b>Core 4</b>	Explain the cultural heritage and primary elements of the history and government of the U.S. and its people, especially as it impacts one's industry or field of study	70% or higher on complete set of coursework and exams in US History to 1865 HIST 1483 or US History from 1865 HIST 1493	70% or higher on complete set of coursework and exams in POLS 1113 US Government
<b>Core 5</b>	Access and use technology appropriate to one's industry or field of study	70% or higher on a comprehensive exam in GTBT 1133 Computer Literacy & Applications	70% or higher on a research paper, where proficiency in computer usage using word processing software is required, in ENGL 1213 Freshman Comp II
<b>Program 1</b>	Take personal responsibility for education and career advancement	Completion of a self-reflection paper at beginning of sophomore year (criterion-referenced)	Positive placement upon graduation measured with graduate exit interview
<b>Program 2</b>	Demonstrate a working knowledge of agronomic decision making skills and geo-spatial technologies	70% or higher on complete set of coursework and exams in: [1] Principles of GPS/GIS Applications AGPA 1493; <b>and</b> [2] Applications of GIS AGPA 2503; <b>and</b> [3] Agriculture Electronic Devices and Systems BAE 2023	[1] Completion of the Capstone Project in Agronomic GIS Data Processing AGPA 2523; <b>and</b> [2] 70% or higher on complete set of coursework and exams in Remote Sensing and Image Analysis AGPA 2533
<b>Program 3</b>	Display a working knowledge of soil science and pest management	70% or higher on complete set of coursework and exams in: [1] Fundamentals of Soil Science SOIL 2124; <b>and</b> [2] Principles of Pest Management PLNT 2113	40 <sup>th</sup> percentile or higher on applicable sections of the National Certified Crop Advisory Exam (NCCAE)

Note: Assessments in yellow areas are conducted in Arts & Sciences with green areas conducted specifically by Precision Ag faculty. Assessments in gray areas are conducted by other divisions or units.