

LANSING COMMUNITY COLLEGE

CURRICULUM GUIDE

Precision Agriculture
Associate in Applied Science Degree

Curriculum Code: 0896 (Effective Fall 2008 – Summer 2013)

This program prepares students for positions in site specific agricultural management, sustainable development, and related technological applications in today's agribusiness operations. Positions such as integrated pest management technologists, custom applicators, technology resource managers, crop advisory specialists, and dealer consultants are some of the newly-evolving careers in this exploding technology field. Emphasis on the geospatial computer technologies of Geographic Information Systems (GIS) and Global Positioning Systems (GPS) as well as remote sensing will be stressed. In addition, State Department of Agriculture pesticide re-certification credits are available upon successful completion of specific courses within this program. The National Science Foundation has selected this program as a national model curriculum. **Not all courses in this program transfer to all colleges.** Students planning to transfer should see an academic advisor or counselor before enrolling in any course.

PREREQUISITES

Students should see *Course Descriptions* or *Course Offerings* for course prerequisite information. See the *Assessment and Placement Testing* section for skills assessment and advising information.

INFORMATION

Contact the Environmental, Design and Building Technologies Department, West Campus Building, Room M103, telephone number (517) 483-5338 (Website: www.lcc.edu/cmt/agriculture/) or Student Services West Campus, West Campus Building, Room M106, telephone number (517) 267-5510.

REQUIREMENTS

TOTAL: 49 CREDITS

CODE	TITLE	CREDIT HOURS
AGRI 101	Principles/Precision Agritech	2
AGRI 106	Disease/Insect Agrinomic Crops	2
AGRI 200	Vegetation and Weed Management	3
AGRI 201	Prin/Sustainable Agriculture	3
AGRI 202	Agri Soils & Crop Management	3
AGRI 211	Agricultural Crop Production	3
AGRI 212	Vegetable Crop Production	3
AGRI 213	Agri Sites Spec Research Tech	3
GRET 205	Principles of GIS	3
GRET 210	Global Positioning Systems	3
GRET 240	Cartography in GIS	3
GRET 241	Remote Sens/AirPhoto Interpret	3
GRET 255	Beginning ARC/GIS	3
GRET 272	GEODatabases	3
GRET 275	GIS Proj & Implementation	3
HORT 102	Intro/Ornamental Horticulture	3
LAND 282	Computer Draft/Dsgn Land Arch	3

LIMITED CHOICE REQUIREMENTS**TOTAL: 16–21 CREDITS**Complete the indicated number of credits from **EACH CHOICE** listed below.**CHOICE 1: General Education Core Areas****16–21 Credits**(See *General Education Core Requirements* for information on how to fulfill these requirements.)

Core area proficiency exams, where appropriate, are available for each core area.)

Communication Core Area	3–4
Global Perspectives and Diversity Core Area	3–4
Mathematics Core Area	3–4
Science Core Area	4–5
Writing Core Area	3–4

MINIMUM TOTAL	65
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SUGGESTED COURSE SEQUENCE

Students should see course descriptions to find out when departments plan to offer courses. Students who for any reason are unable to follow the course sequence suggested below (for example, those who are part-time, have transferred in courses from another school, or have prerequisites to fulfill) should contact an academic advisor or counselor for help with adjustments.

I	II	III	IV
AGRI 101	AGRI 202	AGRI 200	AGRI 212
AGRI 106	AGRI 211	AGRI 201	AGRI 213
GRET 205	GRET 241	GRET 210	GRET 275
GRET 240	GRET 255	GRET 272	Lim. Ch.
LAND 282	HORT 102	Lim. Ch.	Lim. Ch.
Lim. Ch.	Lim. Ch.		