



**Community College Initiative Program
2019-2020
Field of Study: Agriculture**

Agriculture Concentration Areas		
<ul style="list-style-type: none"> • Agribusiness • Agricultural Geospatial Technology • Agricultural Production Management • Animal Science • Aquaponics, Aquaculture and/or Hydroponics • Environmental Horticulture and Conservation • Parks and Natural Resources • Small Scale Food Production • Sustainable Agriculture 		
Track One Certificate	Track Two Non-Certificate Courses	Track Three Courses and English
Minimum Requirements		
Participants who meet the following criteria will be eligible to participate in Track One: <ul style="list-style-type: none"> • Students must meet minimum language requirements to enroll in credit-bearing classes. • Pre-requisites may be required for specific courses. 	Participants who meet the following criteria will be eligible to participate in Track Two: <ul style="list-style-type: none"> • Students must meet minimum language requirements to enroll in credit or workforce classes. • Pre-requisites may be required for specific courses. 	Students who have not yet met minimum requirements in English at their host campus will take a combination of English classes and content courses, as possible based on their level of proficiency and department approval.
Sample Field Concentration Courses		
Principles of Agronomy Principles of Horticulture Introduction to Sustainable Agric Precision Farming Systems Introduction to GPS AG Applications of GIS Fundamental of Soil Science Row Crop and Forage Production Small Business Financial Mngmt Integrated Pest Management Greenhouse Management Rain Gardens & Bioretention Cells Wastewater Chemistry Wastewater Treatment	Agriculture Biology and Chemistry Agriculture Business Agriculture Production Mngmt Animal Nutrition Insects and Diseases Parks and Natural Resources Organic Gardening and Food Production Production Systems with Animals Cool Season Vegetable Production Warm Season Vegetable Production Composting for Commercial Direct Farm Marketing	English Reading and Vocabulary English Grammar English Writing English Oral Expression English Listening and Speaking College Success Skills Non-credit course Field elective
General Studies Helpful for the Field		
<ul style="list-style-type: none"> • Oral Communication • Writing for Business • Entrepreneurship • Leadership Skills 		
Hands-on, Practical Professional Experience Outside of the Classroom		
Sample Internship Opportunities—Minimum of 75 hours Campus-run farm, campus-run greenhouse, local farms, local organic farms, local wineries, local water company or agency, non-profit safety monitoring or environmental awareness organizations, local animal control center, animal rehabilitation center, Crop Tech Services, and Morgan Creek Produce		
Sample Volunteer Activities that Build Professional Experience in the Field—Minimum of 100 hours Tree and crop planting, greenhouse, grape harvesting, soil rejuvenation, crop and weed control, Laguna clean up, ocean and river clean up and restoration, local animal control center, animal rehabilitation center, and Food Reservoir		
Sample CCI Programming in This Field of Study <i>Program Site Visits:</i> Local County Farm Bureau, Organic Farms, county water agencies, engineering facilities, John Deere Tractor Works, Kinze Manufacturing, Lincolnway Energy Ethanol Plant Tour, DuPont Pioneer Research and Development Headquarters, DeKalb Field Day, and Reiman Gardens <i>Speakers and Panels:</i> Local famers and land owners <i>Workshops and Conferences:</i> State Fair, Farm Progress Show, Pro Ag Outlook Seminar, Pro Ag Forecast Seminar, Seed Savers Workshop, Nature Center Native Plants Workshop, Organic Farming Techniques, university programs <i>National Credential Preparation:</i> Wastewater Treatment Plan Operator Examination, Grade II		