2013-14 ILP Career Cluster Model

Agricultural Science & Natural Resources

Programs	Primary National Clusters	Primary National Pathways	Career Examples
Animal Science	Agriculture, Food and Natural Resources	Food Products & Processing Systems	Agriculture Sales Specialist
		Animal Systems	Animal Care Specialist, Companion & Livestock Specialist
Veterinary Medicine		Animal Systems	Veterinarian Assistant or Technician
		Food Products & Processing Systems	Veterinarian/Inspector
Agriculture Business Systems		Agribusiness Systems	Agriculture Finance Specialist, Commodities Agent/Buyer
Agriculture Leadership, Communications, and Policy		All Agricultural Pathways	Agriculture Lobbyist, Civil Servant Agriculture Specialist
Agriculture Science		All Agricultural Pathways	Agriculture Researcher, Agriculture Educator
Floriculture		Plant Systems	Floriculture Instructor, Florist
Plant and Environmental Horticulture Science		Plant Systems	Superintendent/Landscape & Grounds
		Environmental Service Systems	Superintendent/Crop/Nursery & Greenhouse
Wildlife Management		Environmental Service Systems	Wildlife Biologist, Wildlife Compliance Agent
		Animal Systems	Environmental Compliance Inspectors, Environmental Engineer
Biotechnology		Food Products & Processing Systems	Food Scientist & Technologist
		Animal Systems	Biotechnical Researcher
		Plant Systems	Lab Technician
Natural Resources		Natural Resources Systems	Cartographers & Photogrammetrists, Natural Science Managers
Agriculture Mechanical Engineering		Power, Structural & Technical Systems	Agriculture Equipment Operator, Sales/Wholesale & Retail Buyer
Renewable Energy		Power, Structural & Technical Systems	Agriculture Engineer, Wind, Solar and Hydro Engineer
		Animal Systems	Biofuel Researcher
		Plant Systems	Biofuel Researcher

Business & Marketing Education

Programs	Primary National Clusters	Primary National Pathways	Career Examples
Accounting	Business, Management & Administration	Business Information Management	Accountant
General Business		Human Resources Management	Employment & Placement Mgrs.
		General Management	Business Manager/Owner
Computer Applications		Administrative Support	Administrative Assistant
		Business Information Management	Business Manager
Hospitality, Travel and Tourism	Hospitality & Tourism	Lodging	Front Desk Manager, Hotel General Manager
		Travel and Tourism	Special Event Planner
		Restaurants, Food & Beverage Service	Restaurant Owner, Banquets & Catering Manager
Finance and Banking; Personal Finance	Finance	Banking Services	Financial Planner, Branch Manager
		Securities and Investments	Stockbroker
Marketing	Marketing	Management and Entrepreneurship	Account Representative, Retail/Wholesale Buyer
		Marketing Research	Marketing Researcher
		Professional Sales	Entrepreneur/Business Owner

Family & Consumer Sciences

Programs	Primary National Clusters	Primary National Pathways	Career Examples
Clothing, Fashion & Apparel; Fashion Merchandising	Arts, AV Technology & Communication	Visual Arts	Clothing/Costume Designer, Textile Designer
	Marketing	Management and Entrepreneurship	Independent Distributor, Small Business Owner
		Professional Sales	Regional Sales Manager, Retail Sales Specialist
		Merchandising	Merchandise Buyer, Retail Marketing Coordinator
Child/Human Growth & Development; Early Childhood Education; Education	Education & Training	Teaching and Training	Child Care Director, Teacher
		Professional Support Services	Social Worker, Counselor
Family & Consumer Sciences; Independent Living; Family Living; Life Skills	Human Services	Early Childhood Development Services	Director of Childcare Facilities, Preschool Teacher
	Education & Training	Teaching and Training	Counselor/ Psychologist, Secondary/Postsecondary Teacher:
	Human Services	Consumer Services	Consumer Advocate, Customer Services Representative
		Family & Community Services	Social & Human Services Assistant, Community Service Director
Foods & Nutrition; Foods & Nutrition Science	Health Science	Therapeutic Services	Dietitian
		Support Services	Dietary Technician
Food Production/Culinary Arts	Agriculture, Food and Natural Resources	Food Products and Processing Systems	Food Scientist, Food Technologist
	Hospitality & Tourism	Restaurant, Food & Beverage Services	Chef/Caterer, Entrepreneur
Housing & Interior Design	Arts, AV Technology & Communication	Visual Arts	Interior Decorator, Interior Designer

Health Science & Public Safety

Programs	Primary National Clusters	Primary National Pathways	Career Examples
Dental Assistant	Health Science	Therapeutic Services	Dental Assistant
Certified Nurse Assistant/Nursing		Therapeutic Services	Certified Nursing Assistant
Dental Laboratory		Therapeutic Services	Dental Laboratory Technician
Physical Therapy		Therapeutic Services	Physical Therapist
Sports Medicine		Therapeutic Services	Athletic Trainer
Optical Professions		Therapeutic Services	Ophthalmologist Assistant
Medical Assisting (Clinical)		Therapeutic Services	Medical Assistant
Respiratory Assistant		Therapeutic Services	Respiratory Assistant
Health Occupations		Therapeutic Services	Medical Assistant
Pharmacy Assistant		Therapeutic Services	Pharmacist
Medical Office Assisting		Health Informatics	Medical Office Assistant, Reimbursement Specialist
Medical Laboratory		Diagnostic Services	Medical Lab Technologist
Fire Science	Law, Public Safety, Corrections & Security	Emergency & Fire Management Services	Firefighter
Emergency Medical Technician		Emergency & Fire Management Services	Emergency Medical Technician, Paramedic
Dispatcher		Emergency & Fire Management Services	Dispatcher
Law Enforcement		Law Enforcement Services	Police & Patrol Officer
Criminal Justice		Legal Services	Information Officer

Information and Media Technology

Programs	Primary National Clusters	Primary National Pathways	Career Examples
Graphic/Commercial Digital Arts	Arts, AV Technology & Communication	Visual Arts	Graphic Artist
Photography		Visual Arts	Commercial Photographer
Video Production		Audio and Video Production	Video Systems Technician
Broadcast Journalism		Journalism and Broadcasting	News Reporter/Television Producer
Computer Maintenance Technology	Information Technology	Information Support & Service	PC Support Specialist
Computer System Networking		Network Systems	Network Administrator
Computer Programming		Programming & Software Development	Software Engineer
3-D Animation/Video Game Design		Interactive Media	Animator/Game Designer
Website Design		Interactive Media	Web Designer/Web Administrator

Trade & Industrial Education

Programs	Primary National Clusters	Primary National Pathways	Career Examples

Program	Career Cluster	Pathway	Sample Occupation
Architectural Drafting and Design	Architecture & Construction	Design/Pre-Construction	Architect
Carpentry		Construction	Carpenter
Electrical		Construction	Electrician
Furniture & Cabinetmaking		Construction	Cabinetmaker
Woodworking		Construction	Cabinetmaker
Heating, Ventilation, AC & Refrigeration		Construction	HVAC&R Technician
Masonry		Construction	Mason
Plumbing		Construction	Plumber
Residential Building Construction		Construction	Construction Trades
Print Technology	Arts, AV Technology & Communication	Printing Technologies	Lithographer/Graphics Equipment Operator
Cosmetology	Human Services	Personal Care Services	Cosmetologist
Manufacturing Processes	Manufacturing	Production	Manufacturing Trades
Precision Machining		Production	Machinist/Millwright
Metalworking		Production	Metal Fabricator
Welding		Production	Welder
Technical Drafting and Design		Production Process Development	CADD Technician
Electronics	Science, Technology, Engineering & Math	Engineering & Technology	Electronic Technician
Pre-Engineering		Engineering & Technology	Engineer
Technology Education		Engineering & Technology	Educator/Teacher
Air Frame & Power Plant	Transportation, Distribution & Logistics	Facility & Mobile Equipment Maintenance	Avionics Technician
Aircraft Technician		Facility & Mobile Equipment Maintenance	Aircraft Technician
Automotive Collision Repair		Facility & Mobile Equipment Maintenance	Collision Repair Technician
Automotive Service Technology		Facility & Mobile Equipment Maintenance	Automotive Service Technician
Diesel Equipment Technology		Facility & Mobile Equipment Maintenance	Diesel Engine Specialist
Power Equipment Technology		Facility & Mobile Equipment Maintenance	Small Engine Repair Technician