

**APPROVED  
PATHWAY:**

1. Includes minimum of three secondary-level credits.
2. Includes a work-based element.
3. Consists of a sequence:
  - Introductory-level.
  - Technical-level.
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5. Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.



## AGRICULTURE, FOOD AND NATURAL RESOURCES CAREER CLUSTER DESIGN

# Comprehensive Agricultural Science Pathway

CIP CODE 01.9999

**INTRODUCTORY LEVEL**Must choose **ONE** of the following courses.

Title	Code	Credit
*Exploratory Agriculture	68001	1 credit
*Introduction to Agriculture	18001	1 credit

**TECHNICAL LEVEL**Must select at least **TWO** of the courses in this level.

Title	Code	Credit
Agricultural Food Science	18305	1 credit
Agriscience	18002	1 credit
*Animal Science	18101	1 credit
Biotechnology in Agriculture	18308	1 credit

Title	Code	Credit
*Horticulture	18052	1 credit
Natural Resource Management	18504	1 credit
Plant and Animal Science	18301	1 credit
Plant and Soil Science	18058	1 credit

**APPLICATION LEVEL**

Title	Code	Credit
Advanced Plant and Animal Science	18302	1 credit
Agricultural Entrepreneurship	18202	1 credit
Agricultural Leadership and Communications	18203	1 credit

Title	Code	Credit
Agribusiness	18201	1 credit
Advanced Internship	18049	1 credit
*Internship	18048	1 credit
Research in Agriculture	18206	1 credit

\* Required courses in pathway.

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## AGRICULTURE, FOOD AND NATURAL RESOURCES CAREER CLUSTER DESIGN

# Power, Structural and Technical Systems Pathway

CIP CODE 01.0201

**INTRODUCTORY LEVEL**

Title	Code	Credit
*Exploratory Agriculture	68001	1 credit

Title	Code	Credit
*Introduction to Agriculture	18001	1 credit

**TECHNICAL LEVEL**

Title	Code	Credit
Agriscience	18002	1 credit
*Agricultural Mechanics	18401	1 credit

Title	Code	Credit
*Agricultural Welding I	18404/39207	1 credit
*Small Engines	18410	1 credit

**APPLICATION LEVEL**

Title	Code	Credit
*Advanced Agricultural Mechanics	18402	1 credit
*Advanced Agricultural Power	18411	1 credit
Agricultural Business	18201	1 credit
Agricultural Entrepreneurship	18202	1 credit
*Agricultural Fabrication	18409	1 credit
Agricultural Leadership and Communications	18203	1 credit

Title	Code	Credit
*Agricultural Structures	18403	1 credit
*Agricultural Welding II	18407/39208	1 credit
Research in Agriculture	18206	1 credit
Advanced Internship	18049	1 credit
Internship	18048	1 credit

\* A minimum of one starred course from each level is required for pathway approval.



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**BUSINESS MANAGEMENT AND ADMINISTRATION CAREER CLUSTER DESIGN****Business Management and Entrepreneurship Pathway****CIP CODE 52.0799****INTRODUCTORY LEVEL**

Title	Code	Credit
*Business Essentials	12050**	.5 credit

**TECHNICAL LEVEL**

Title	Code	Credit
*Entrepreneurship	12053	.5 credit
*Business Communications	12009	.5 credit

Title	Code	Credit
*Business Management	12052	.5 credit

**OPTIONAL TECHNICAL COURSES****Supportive Business and Entrepreneurship Technical**

Title	Code	Credit
Business Economics	12105	.5 credit
Accounting	12104	1 credit
Business Law	12054	.5 credit
Principles of Marketing	12164	1 credit
IB Business and Management	12059	1 credit

**Supportive Entrepreneurship Technical**

Title	Code	Credit
Web Page Design	10201	1 credit
Internet Marketing	12162	1 credit

**Supportive Entrepreneurship Technical**

Title	Code	Credit
Woodworking Principles	17007	1 credit
Drafting/CAD	21107	1 credit
Agricultural Welding I	18404	1 credit
Production Welding	39207	1 credit
Remodel and Building Maintenance	17009	.5 credit
Residential Carpentry	17002	1 credit
Culinary Essentials	16052	.5 credit
Foundations of Early Childhood	19052	1 credit
Engineering Design and Development	21007	1 credit
Consumer and Personal Finance	22210	.5 credit

**APPLICATION LEVEL**

Title	Code	Credit
*Applied Business Development	32200	1 credit

\* Required for pathway approval.

\*\* Business Essentials 12050 may be integrated with Computer Applications 10004.

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## FINANCE CAREER CLUSTER DESIGN

**Business Finance Pathway**

CIP CODE 52.0801

**INTRODUCTORY LEVEL**

Title	Code	Credit
*Business Essentials	12050	.5 credit

**TECHNICAL LEVEL**

Title	Code	Credit
*Accounting	12104	1 credit
*Consumer and Personal Finance	22210	.5 credit

**OPTIONAL COURSES****Supportive**

Title	Code	Credit
Business Economics	12105	.5 credit
Business Communications	12009	.5 credit

**Supportive**

Title	Code	Credit
Business Law	12054	.5 credit
Entrepreneurship	12053	.5 credit
Advanced Spreadsheet Applications	33110	.5 credit

**APPLICATION LEVEL****Financial Institutions and Services Strand\*\***

Title	Code	Credit
Banking and Finance	12101	.5 credit
Investing	12107	.5 credit
Risk Management and Insurance	12106	.5 credit

**Accounting Strand\*\***

Title	Code	Credit
Advanced Accounting	33108	1 credit
College Accounting	33109	1 credit

**OPTIONAL COURSES****Supportive**

Title	Code	Credit
Finance – Workplace Experience***	12148	.5 credit
Finance – Workplace Experience***	12148	1 credit
Advanced Finance – Workplace Experience	33200	1 credit

\* Required course for pathway approval.

\*\* One credit from at least one strand is required.

\*\*\* School may include both in pathway / Student only takes one for Completer Status.



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## EDUCATION AND TRAINING CAREER CLUSTER DESIGN

**Teaching/Training Pathway****CIP CODE 13.0101****INTRODUCTORY LEVEL**

Title	Code	Credit
Career and Life Planning	22207	.5 credit
Introduction to Family and Consumer Sciences	45001	1 credit

**TECHNICAL LEVEL**Must choose **ONE** of the following boxed courses.

Title	Code	Credit
*Teaching as a Career	19151	1 credit
*Human Growth and Development A	45004**	.5 credit
*Human Growth and Development B	45014**	1 credit
Teaching Observation	42251	.5 credit

Title	Code	Credit
Family Studies	22208**	.5 credit
Educational Leadership and Training A	19154	.5 credit
Education Research and Innovation	19155	.5 credit

**APPLICATION LEVEL**

Title	Code	Credit
Teaching Internship	19152	1 credit
Educational Leadership and Training B	19198	.5 credit

\* Required for pathway approval.

\*\* Alternative course (19051) maybe allowed with prior approval.

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## HOSPITALITY AND TOURISM CAREER CLUSTER DESIGN

**Restaurant and Event Management  
Pathway**

CIP CODE 12.0504

**INTRODUCTORY LEVEL**

Title	Code	Credit
Career and Life Planning	22207	.5 credit
Business Essentials	12050	.5 credit

Title	Code	Credit
Introduction to Family and Consumer Sciences	45001	1 credit

**TECHNICAL LEVEL**

Select a strand at division.

Title	Code	Credit
*Culinary Essentials	16052	.5 credit
Nutrition and Wellness	08057	.5 credit

**Event Planning and Management Strand**

Title	Code	Credit
*Event Planning and Management	34052	.5 credit
Found. of Travel and Tour	34053	.5 credit

**Culinary Arts and Management Strand**

Title	Code	Credit
*Culinary Arts I ( <i>prerequisite for 34058</i> )	34056	1 credit
Culinary Arts II	34058	.5 credit

**Culinary Arts and Management Strand**

Title	Code	Credit
Baking and Pastry I ( <i>prerequisite for 34059</i> )	34057	.5 credit
Baking and Pastry II	34059	.5 credit
Food Science	22203	1 credit
Event Plan and Management	34052	.5 credit

These may be offered after 3 credits have been selected:

Title	Code	Credit
Principles of Marketing	12164	1 credit
Entrepreneurship	12053	.5 credit

**APPLICATION LEVEL****Event Planning and Management Strand**

Title	Code	Credit
Community Connections	22270	.5 credit
Career Connections	22275	.5 credit
Applied Business Development	32200	1 credit

**Culinary Arts and Management Strand**

Title	Code	Credit
Community Connections	22270	.5 credit
Career Connection	22275	.5 credit
Culinary Applications	34198	1 credit

\* Required for pathway approval.



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**HUMAN SERVICES CAREER CLUSTER DESIGN****Family, Community and Consumer Services Pathway****CIP CODE 19.0799****INTRODUCTORY LEVEL**

Title	Code	Credit
Career and Life Planning	22207	.5 credit
Introduction to Family and Consumer Sciences	45001	1 credit

**TECHNICAL LEVEL**Must choose **ONE** of the boxed courses.

Title	Code	Credit
*Human Growth and Develop. A	45004	.5 credit
*Human Growth and Develop. B	45014	1 credit
*Family Studies	22208	.5 credit

Title	Code	Credit
*Consumer and Personal Finance	22210	.5 credit
Nutrition and Wellness	08057	.5 credit
Culinary Essentials	16052	.5 credit
Leadership Service in Action	22255	.5 credit

**APPLICATION LEVEL**

Title	Code	Credit
Community Connections	22270	.5 credit
Career Connections	22275	.5 credit

\* Required for pathway approval.

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## HEALTH AND BIO SCIENCES CAREER CLUSTER DESIGN

**Health Science Pathway**

CIP CODE 51.9999

**INTRODUCTORY LEVEL**

Title	Code	Credit
*Intro to Health Care	14000	.5 credit
Biology	03051	1 credit

Title	Code	Credit
Chemistry	03101	1 credit

**TECHNICAL LEVEL**

Title	Code	Credit
Nutrition and Wellness	08057	.5 credit
*Anatomy and Physiology	03053	1 credit
First Aid/CPR/EMR	44050	.5 credit
Medical Terminology	14154	.5 credit
Health Information (HIT)	14157	1 credit
AP Biology	03056	1 credit
Health Care Research and Clinical Skills A	14254	.5 credit
Health Care Research and Clinical Skills B	35254	1 credit

**General Health (PA, Med) Strand**

Title	Code	Credit
Fund. of Emergency Services	14055	.5 credit

**APPLICATION LEVEL**

Title	Code	Credit
† Certified Medication Aide	36156	.5 credit
† Certified Nursing Assistant	14997	1 credit
Health care Work Experience	36992	1 credit
Health care Work Experience	36993	2 credit

**General Health (PA, Med) Strand**

Title	Code	Credit
† Phlebotomy Technician	14104	.5 credit

**Sports Med/Rehabilitation (ATC,PT,OT) Strand**

Title	Code	Credit
† Sports Medicine II	14073	1 credit

**General Health (PA, Med) Strand**

Title	Code	Credit
Medical Interventions	14105	1 credit

**Sports Med/Rehabilitation (ATC,PT,OT) Strand**

Title	Code	Credit
† Sports Medicine I	14072	1 credit
† Physical Therapy	14060	1 credit
† Care of Athletes	14062	.5 credit

**Allied Health (Nursing, X-Ray, EMT, Lab Sciences) Strand**

Title	Code	Credit
† Emergency Medical Tech (EMT)	44060	1 credit
† Pharmacology	14253	1 credit
Medical Imaging	14103	.5 credit

**Allied Health (Nursing, X-Ray, EMT, Lab Sciences) Strand**

Title	Code	Credit
† Home Health Aide	36053	.5 credit
† Phlebotomy Technician	14104	.5 credit
† Pharmacy Technician	36157	.5 credit
† Dental Assistant	36054	1 credit
† Emergency Medical Tech II (EMT II)	14104	.5 credit

\* Required for pathway approval.

† Courses may require specialized teacher certification and/or offer professional certification.