

Garland ISD Career and Technical Education Career Clusters South Garland High School

Business and Industry Endorsement



**Agriculture, Food
& Natural Resources**



**Architecture
& Construction**



**Arts, A/V Technology
& Communications**



**Business
Management
& Administration**



Finance



**Hospitality
& Tourism**



**Information
Technology**



Manufacturing



Marketing



**Transportation,
Distribution
& Logistics**

INDEX

Garland ISD Career and Technical Education Career Clusters South Garland High School

Index - Business and Industry Endorsement	Page	2
Index - Public Services Endorsement Clusters	Page	3
Index - Science, Technology, Engineering and Mathematics	Page	3
Color Key	Page	4

BUSINESS AND INDUSTRY ENDORSEMENT

Agriculture, Food and Natural Resources		
Agriculture	Page	5
Architecture and Construction		
Architecture Design or Interior Design	Page	6
Construction Technology	Page	7
Arts, A/V and Communication		
Fashion Design	Page	8
Graphic Design & Illustrations, and Animation	Page	9
Business Management and Administration		
Business Management	Page	10
Finance		
Banking & Financial Services, and Accounting	Page	11
Hospitality and Tourism		
Hospitality or Culinary	Page	12
Information Technology		
Digital Media	Page	13
Manufacturing		
Manufacturing Production	Page	14
Welding	Page	15
Marketing		
Marketing and Entrepreneurship	Page	16
Transportation, Distribution and Logistics		
Collision Repair and Automotive Technology	Page	17

INDEX
Garland ISD Career and Technical Education Career Clusters
South Garland High School

Index - Business and Industry Endorsement	Page	2
Index - Public Services Endorsement Clusters	Page	3
Index - Science, Technology, Engineering and Mathematics	Page	3
Color Key	Page	4

PUBLIC SERVICES ENDORSEMENT (page 18)

Education and Training		
Education and Training	Page	19
Health Science		
Health Science	Page	20
Human Services		
Human Services	Page	21
Cosmetology	Page	22

STEM (Science, Technology, Engineering and Mathematics) ENDORSEMENT (Page 23)

Science, Technology, Engineering and Mathematics		
Engineering and Robotics	Page	24

CTE High School Pathways

- 2019 updates
- Color Key

Prerequisite (Required)

R. Prerequisite (Recommended)

or

Indicates either course will meet the requirement

The student must have successfully completed the course(s) listed as a prerequisite (required) prior to enrollment in the course to which the prerequisite(s) applies.

Performance Acknowledgement

Certification or Licensure a student may earn in this pathway

Courses that are or have a required or recommended prerequisite

Optional Courses

New courses
Bold outline if they are advanced

CTE Courses for Academic Credit:

BLUE - (Advanced English Credit)

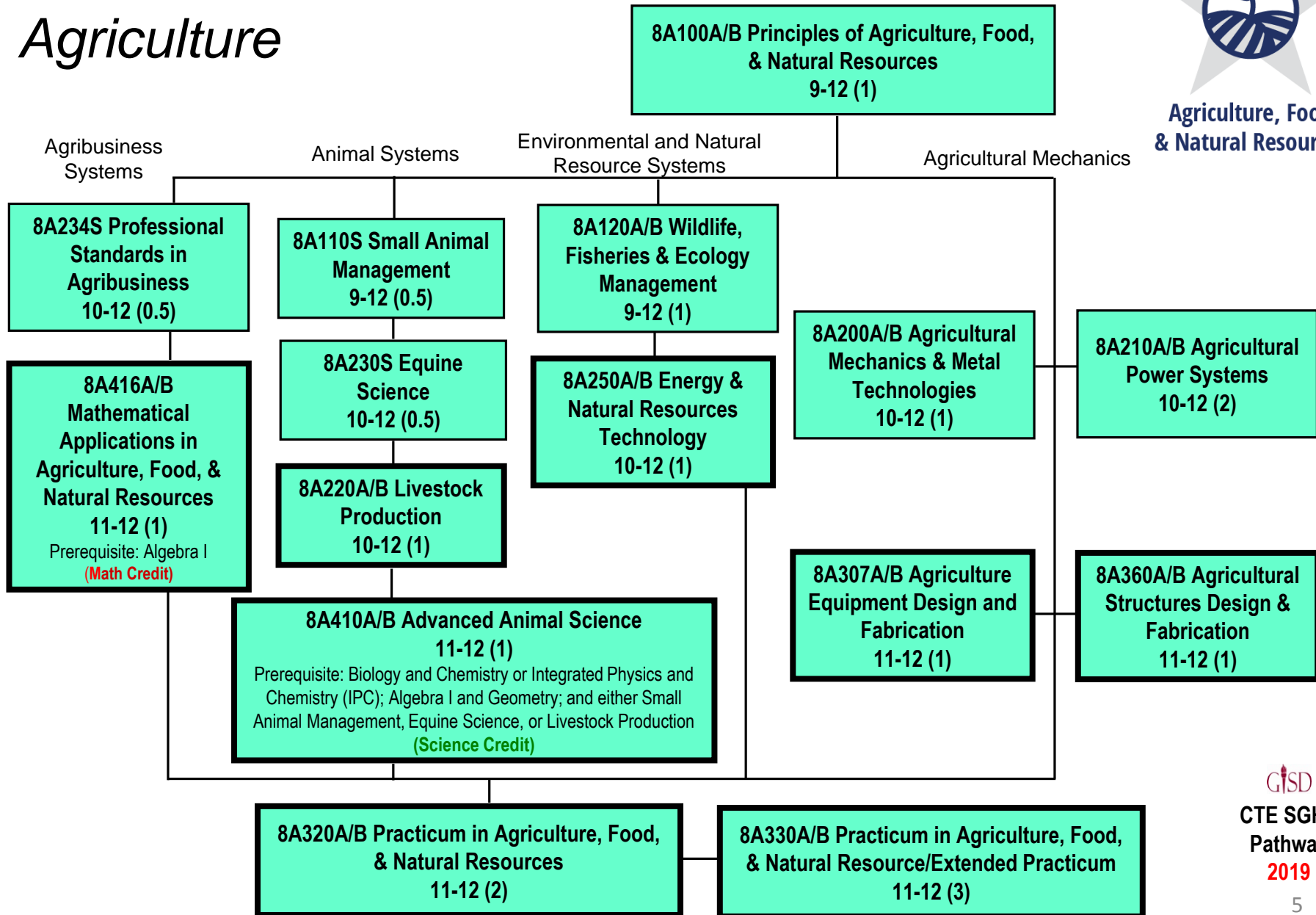
RED - (Math Credit)

GREEN - (Science Credit)

Agriculture



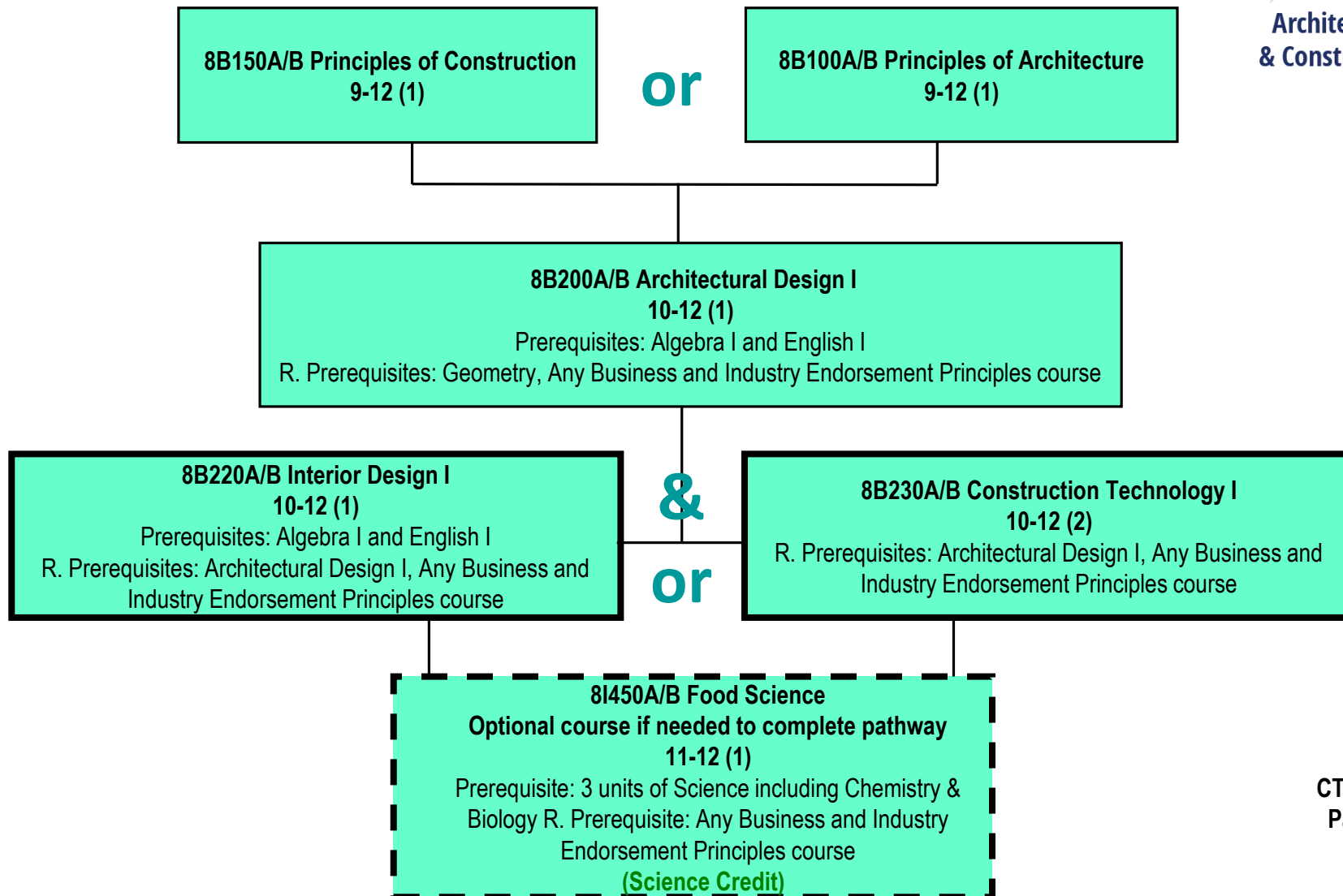
Agriculture, Food & Natural Resources



Architecture Design or Interior Design



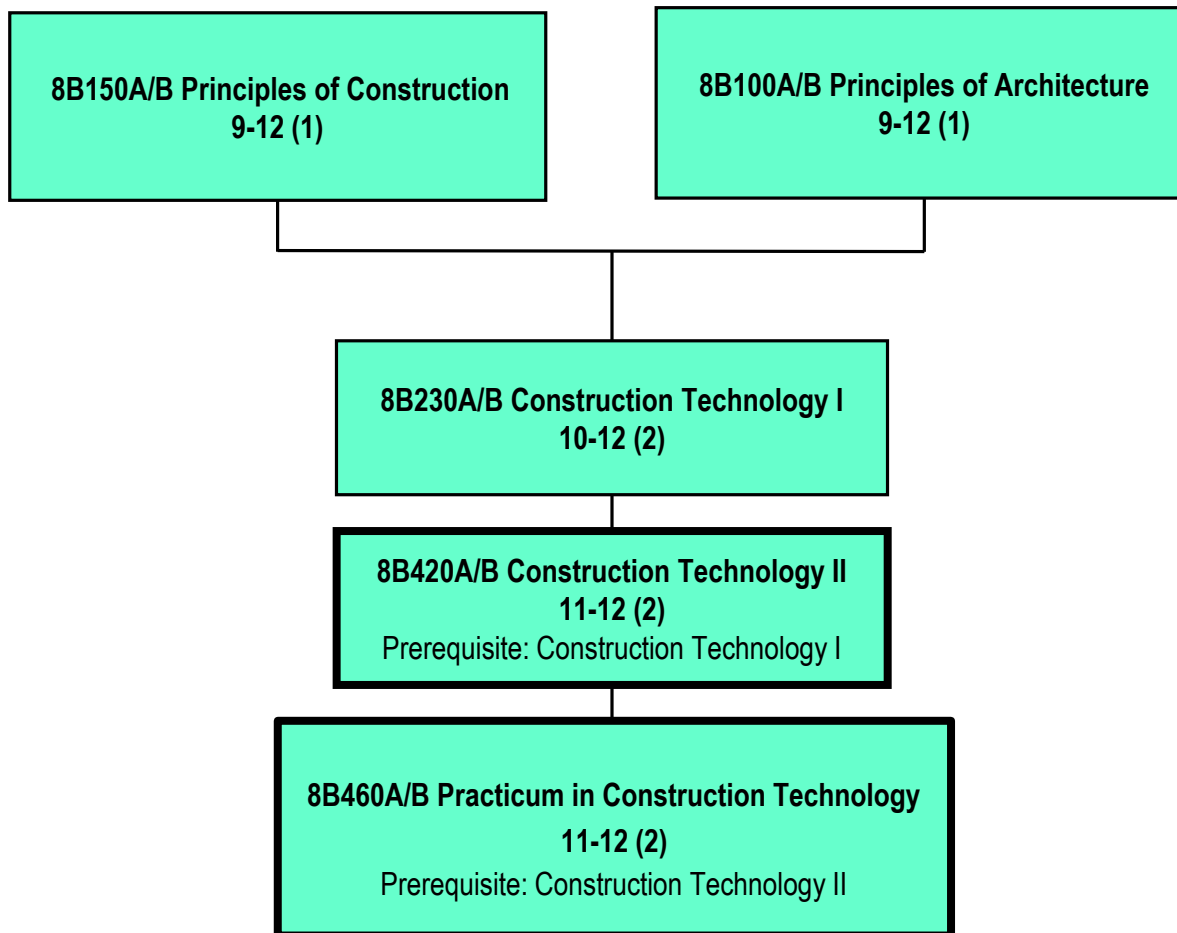
Architecture
& Construction





Architecture
& Construction

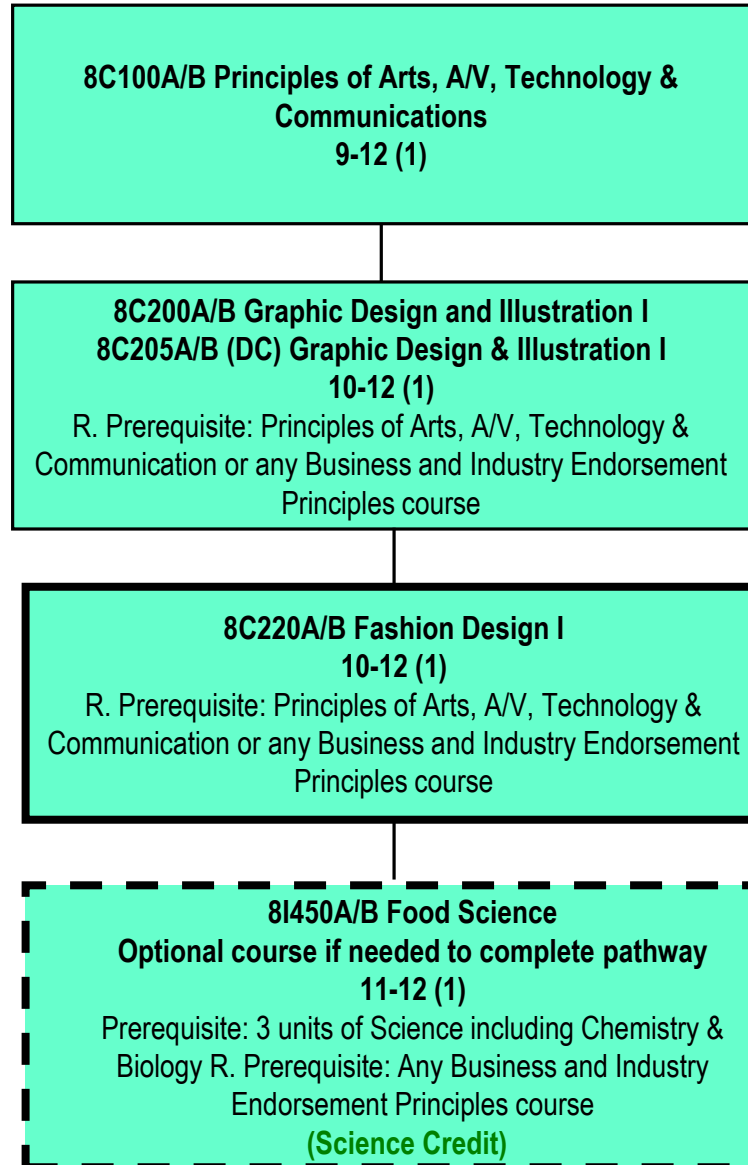
Construction Technology



Fashion Design



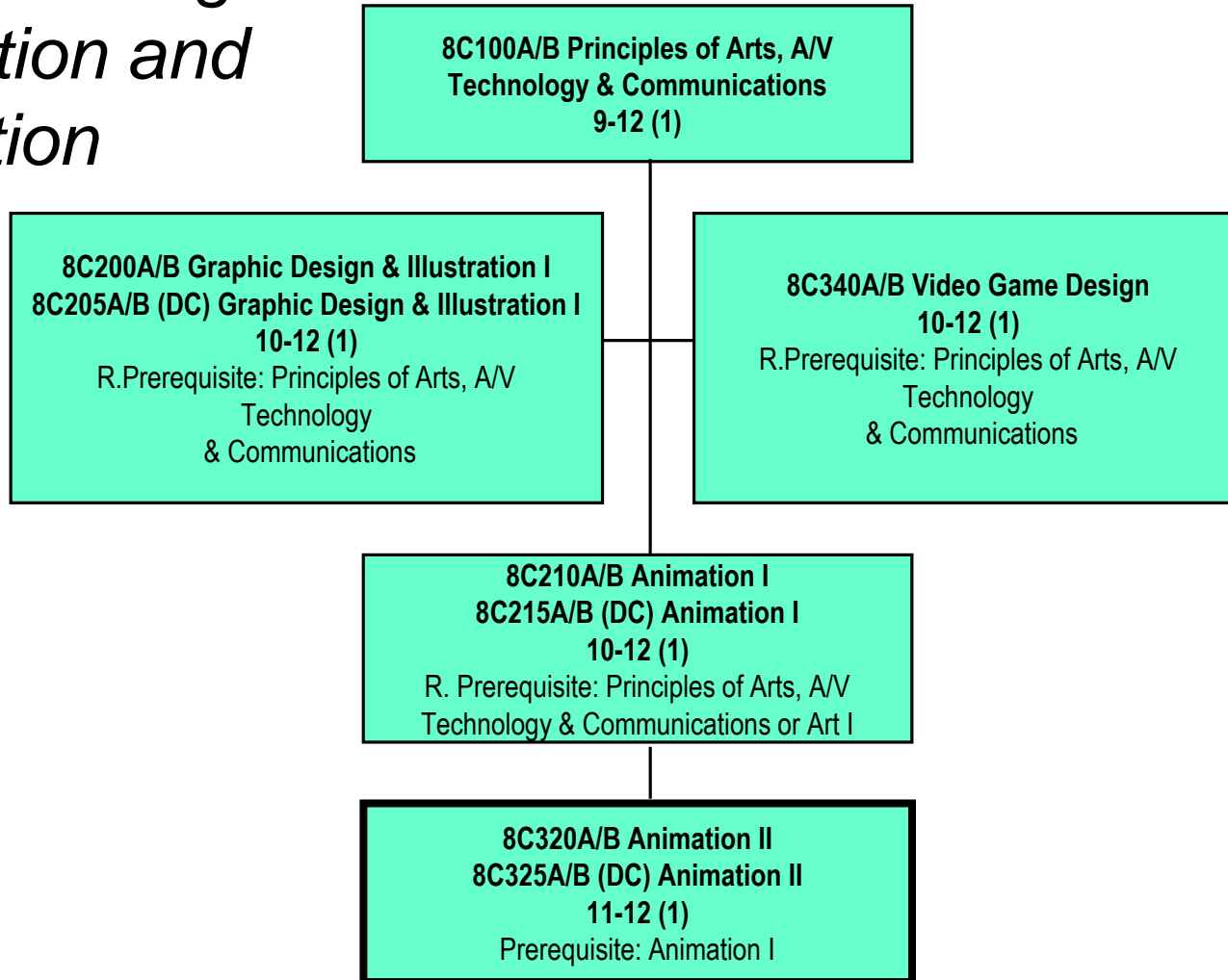
Arts, A/V Technology
& Communications



Graphic Design and Illustration and Animation



Arts, A/V Technology & Communications



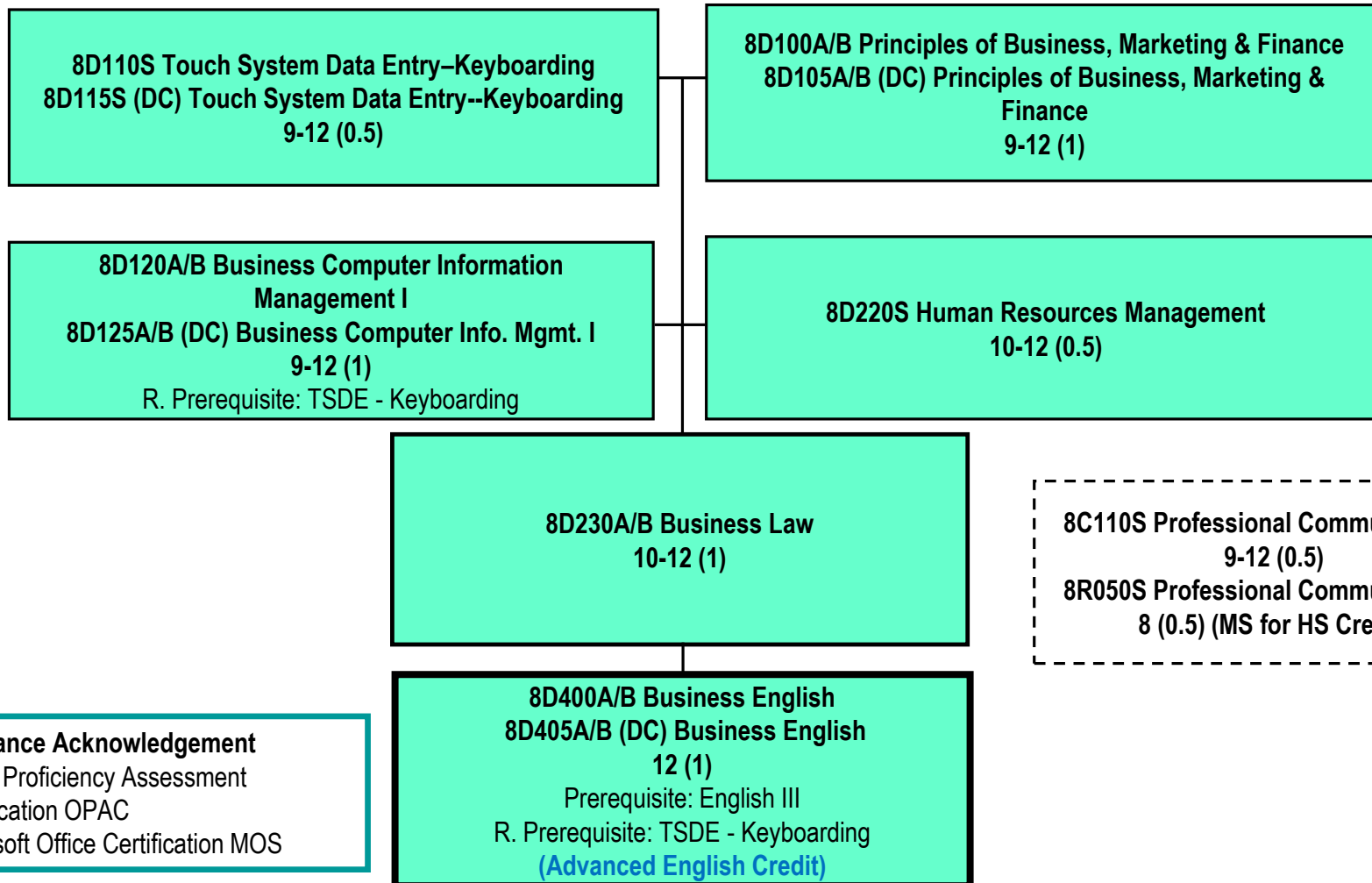
Performance Acknowledgement
 Adobe Certified Associate (ACA) Photoshop,
 InDesign or Illustrator

8C110S Professional Communications
 9-12 (0.5)
 8C050S Professional Communications
 8 (0.5) (MS for HS Credit)



**Business
Management
& Administration**

Business Management



8C110S Professional Communications
9-12 (0.5)
8R050S Professional Communications
8 (0.5) (MS for HS Credit)

Banking and Financial Services Accounting



Accounting

Banking and Financial Services

Finance

8D120A/B Business Computer Information Management I
8D125A/B (DC) Business Computer Info. Mgmt. I
 9-12 (1)
 R. Prerequisite: TSDE - Keyboarding

8F100A/B Money Matters
 9-12 (1)
 R. Prerequisite: Principles of Business, Marketing and Finance

8F200A/B Accounting I
 10-12 (1)
 R. Prerequisite: Principles of Business, Marketing and Finance
(Course is a Prerequisite for the Finance/Accounting GRCTC Pathways)

8D100A/B Principles of Business, Marketing & Finance
 9-12 (1)

8F210S Banking & Financial Services
 10-12 (0.5)
 R. Prerequisite: Principles of Business, Marketing and Finance

8F300A/B Financial Mathematics
 10-12 (1)
 Prerequisite: Algebra I
(Math Credit)

8F400A/B Statistics & Business Decision Making
 11-12 (1)
 Prerequisite: Algebra II
(Advanced Math Credit)

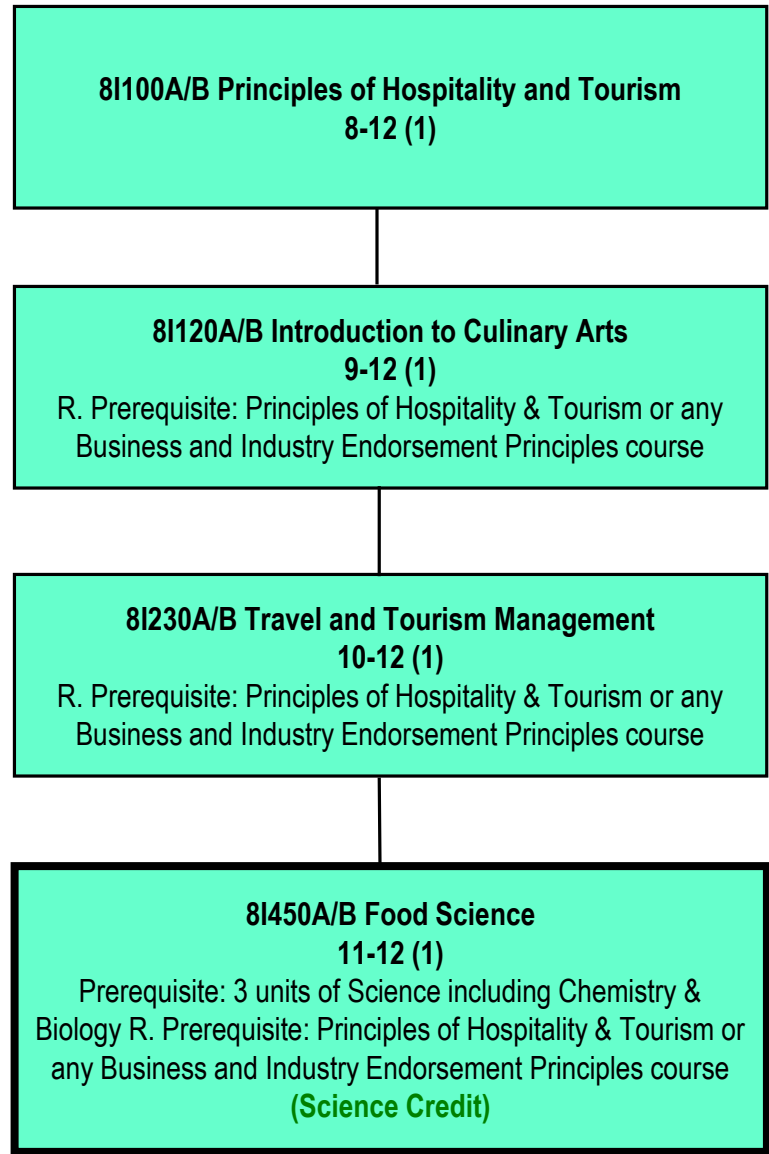
Performance Acknowledgement

- OPAC- Office Proficiency Assessment Certification
- MOS- Microsoft Office Specialist

8C110S Professional Communications
 9-12 (0.5)
8C050S Professional Communications
 8 (0.5) (MS for HS Credit)

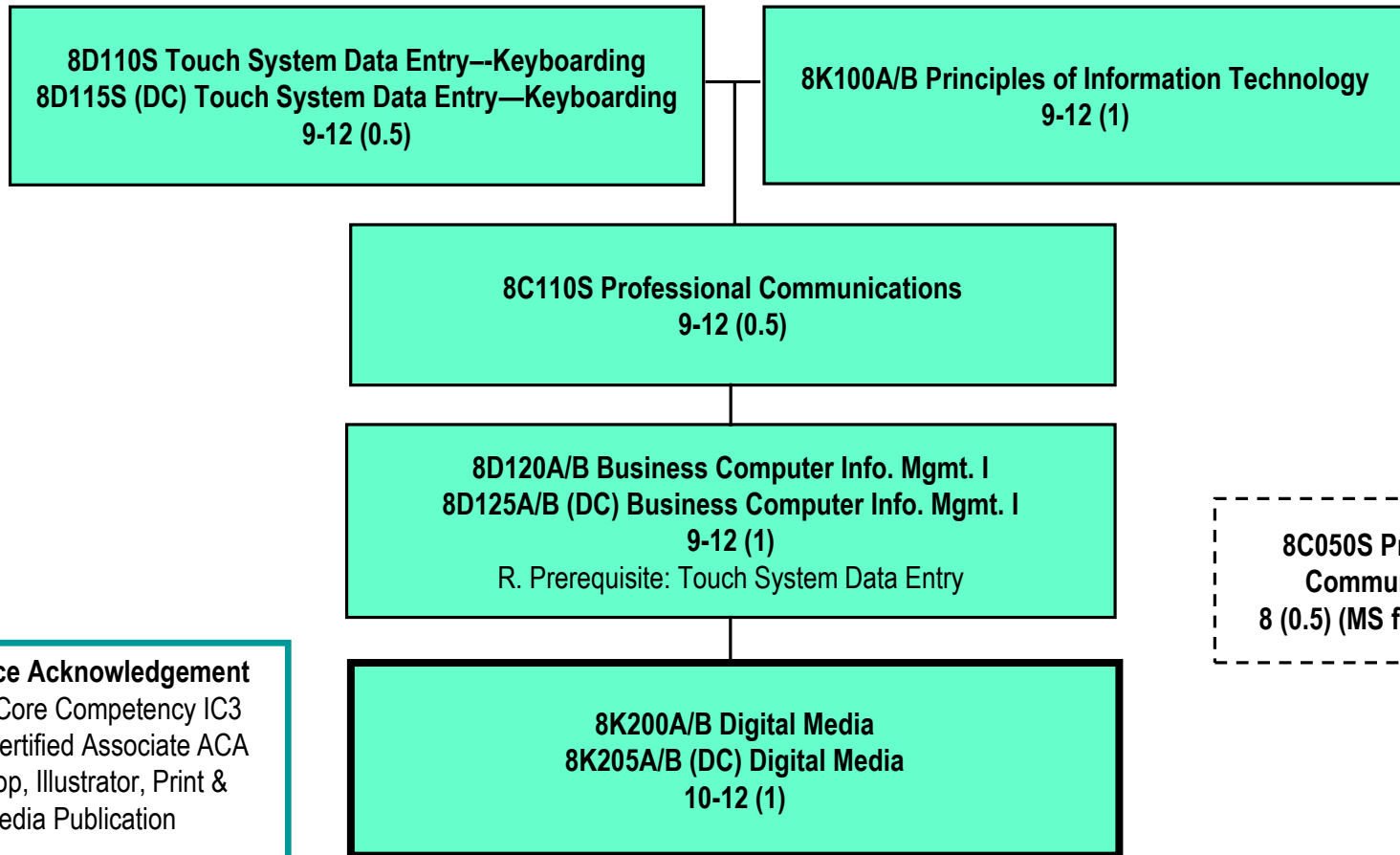
GSD
 CTE SGHS
 Pathway
 2019

Hospitality or Culinary



Performance Acknowledgement
ServSafe

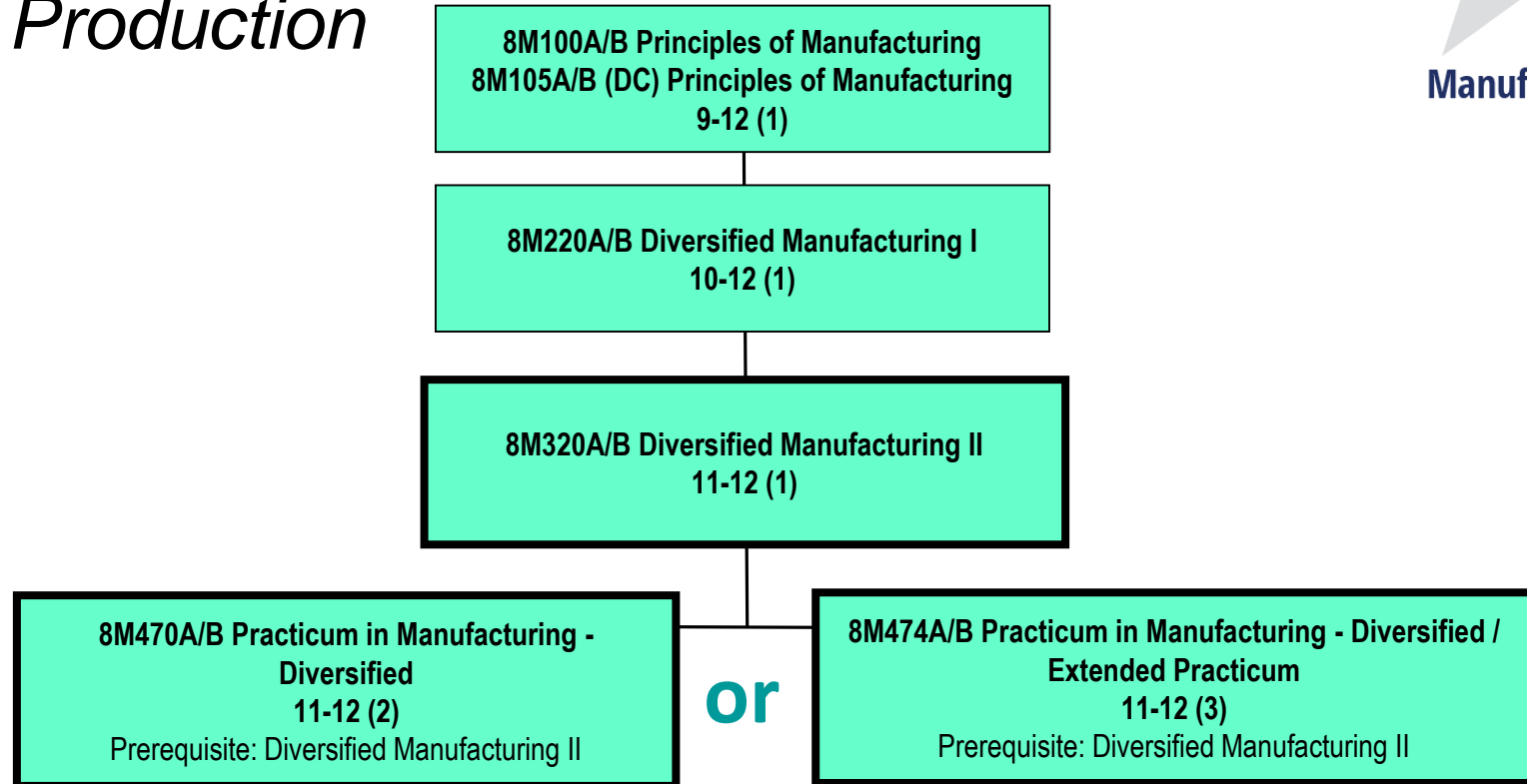
Digital Media



Performance Acknowledgement

- Internet Core Competency IC3
- Adobe Certified Associate ACA Photoshop, Illustrator, Print & Digital Media Publication InDesign

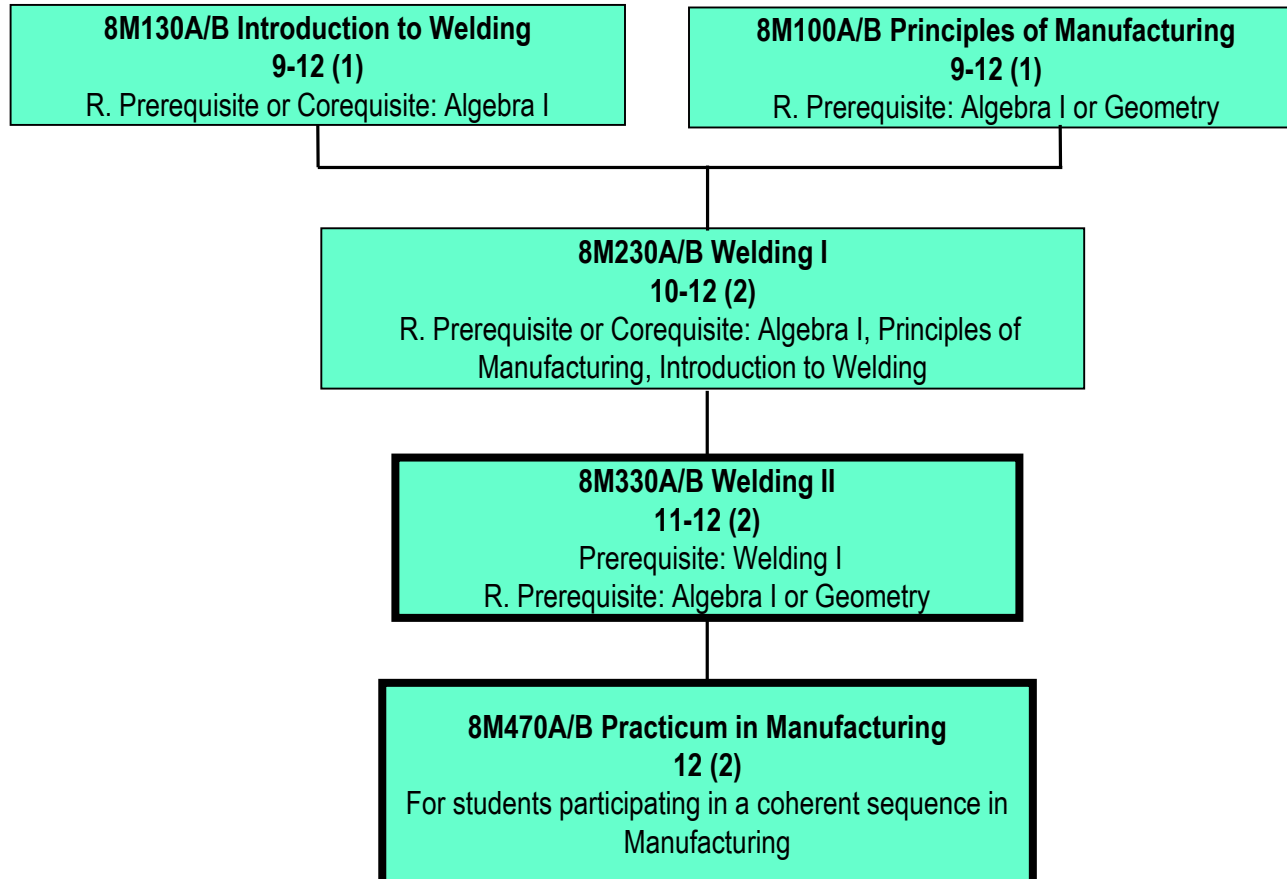
Manufacturing Production



Performance Acknowledgement

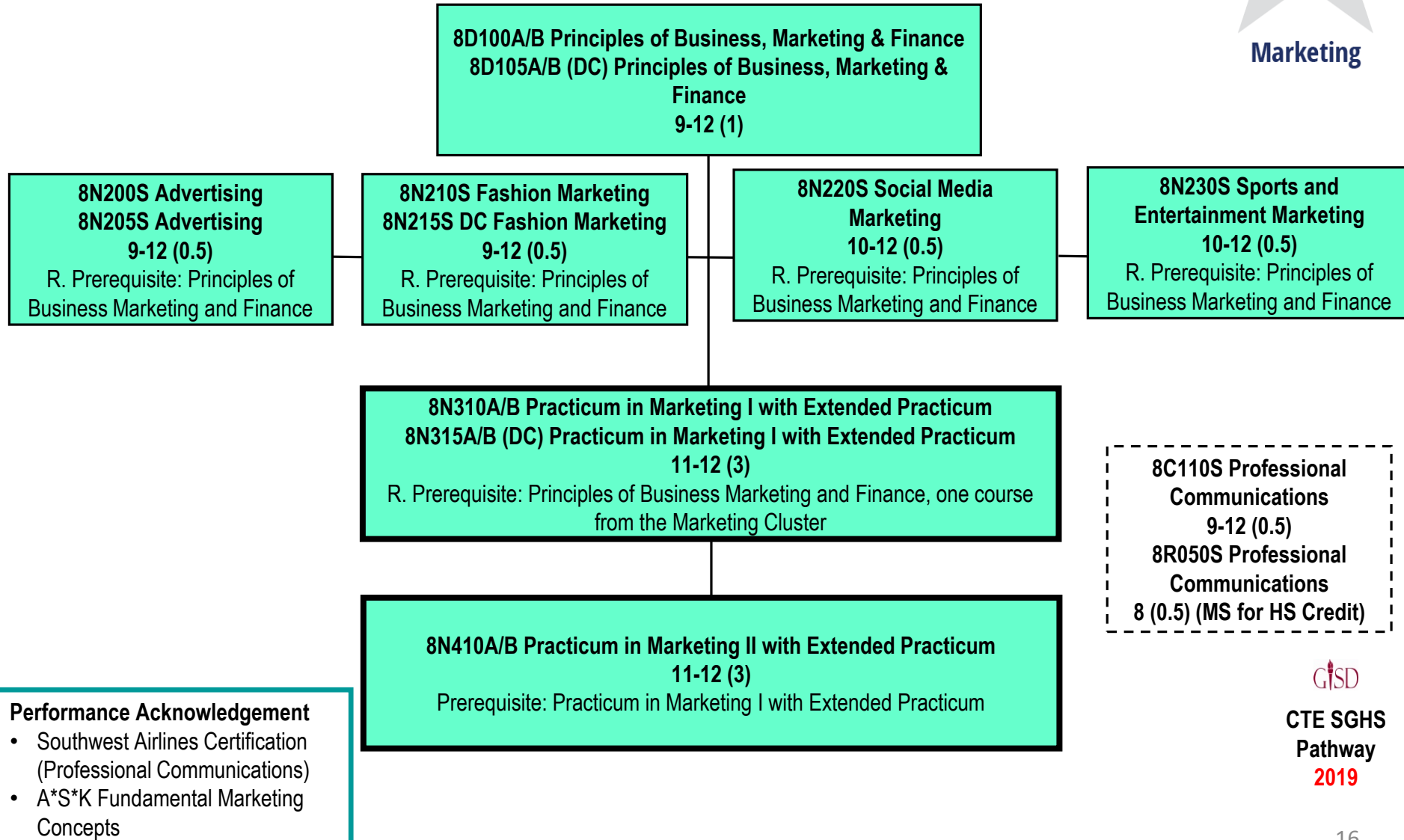
- NIMS- National Institute for Metalworking Skills- Certification Level 1
- OSHA

Welding



Performance Acknowledgement
AWS (American Welding Society)- SENSE Certification

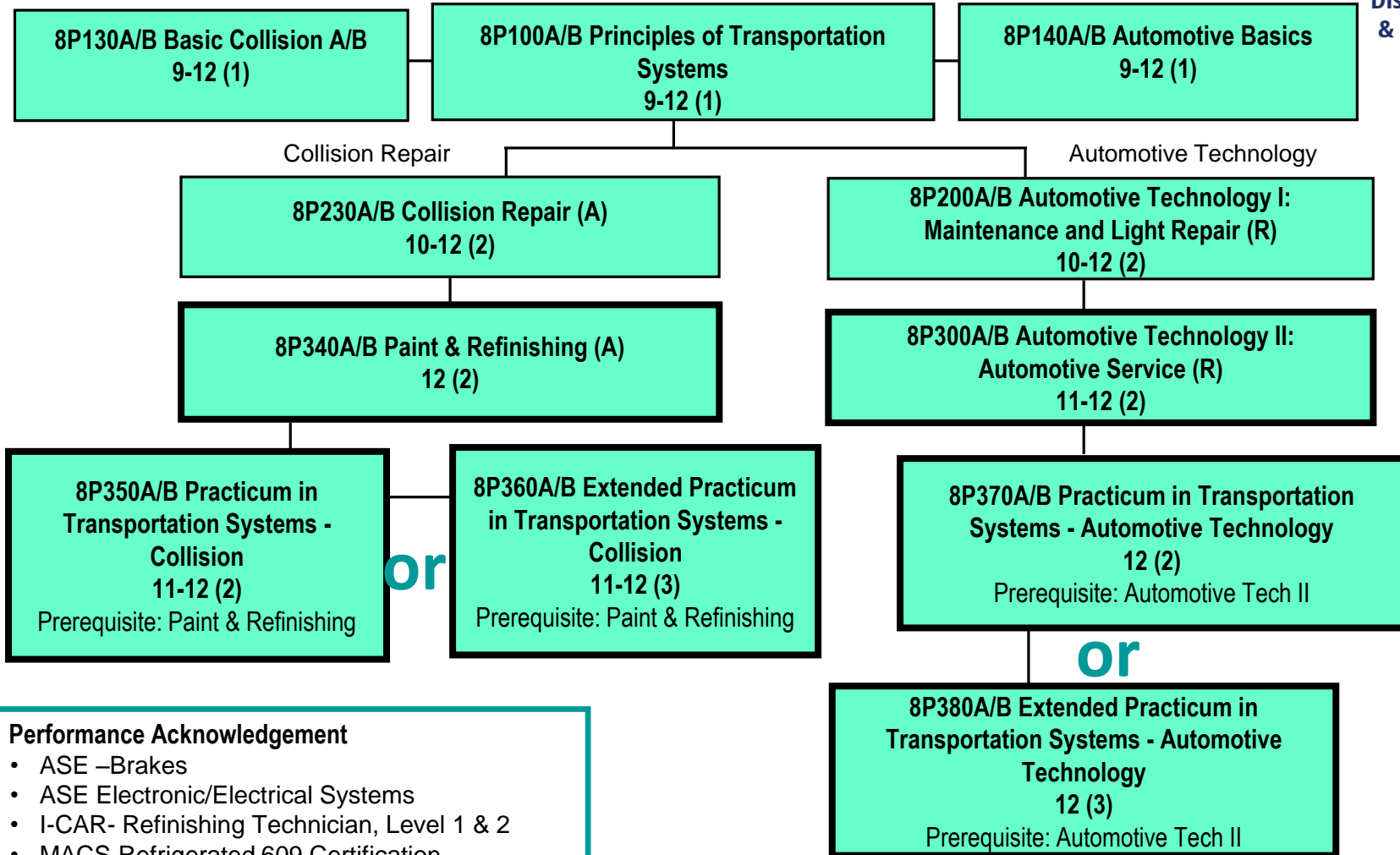
Sales Manager



Collision Repair Automotive Technology



Transportation,
Distribution
& Logistics



- Performance Acknowledgement**
- ASE –Brakes
 - ASE Electronic/Electrical Systems
 - I-CAR- Refinishing Technician, Level 1 & 2
 - MACS Refrigerated 609 Certification
 - Valvoline Career Tech Certification

Garland ISD Career and Technical Education Career Clusters South Garland High School

Public Services Endorsement



**Education
& Training**



Health Science

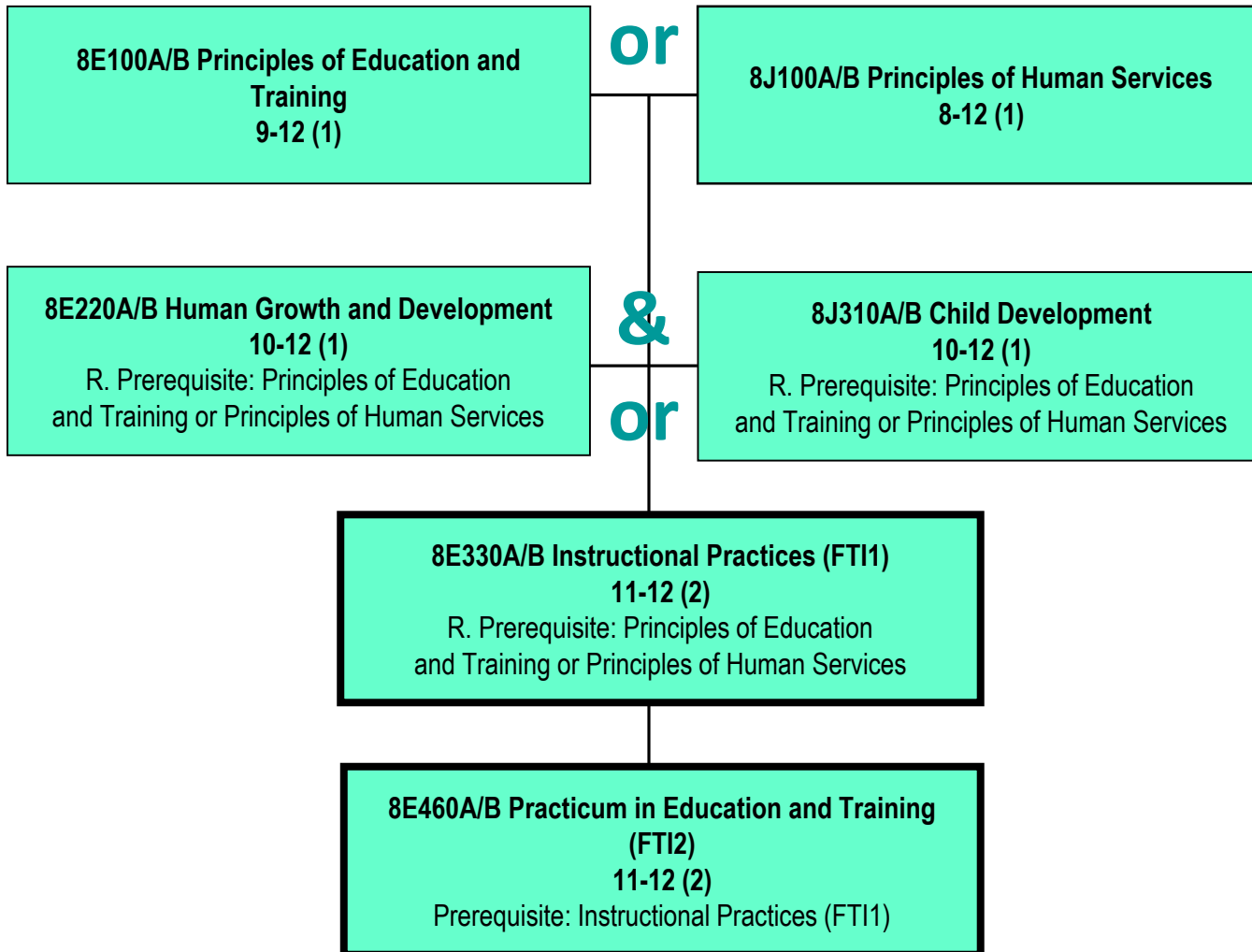


**Human
Services**

Education and Training



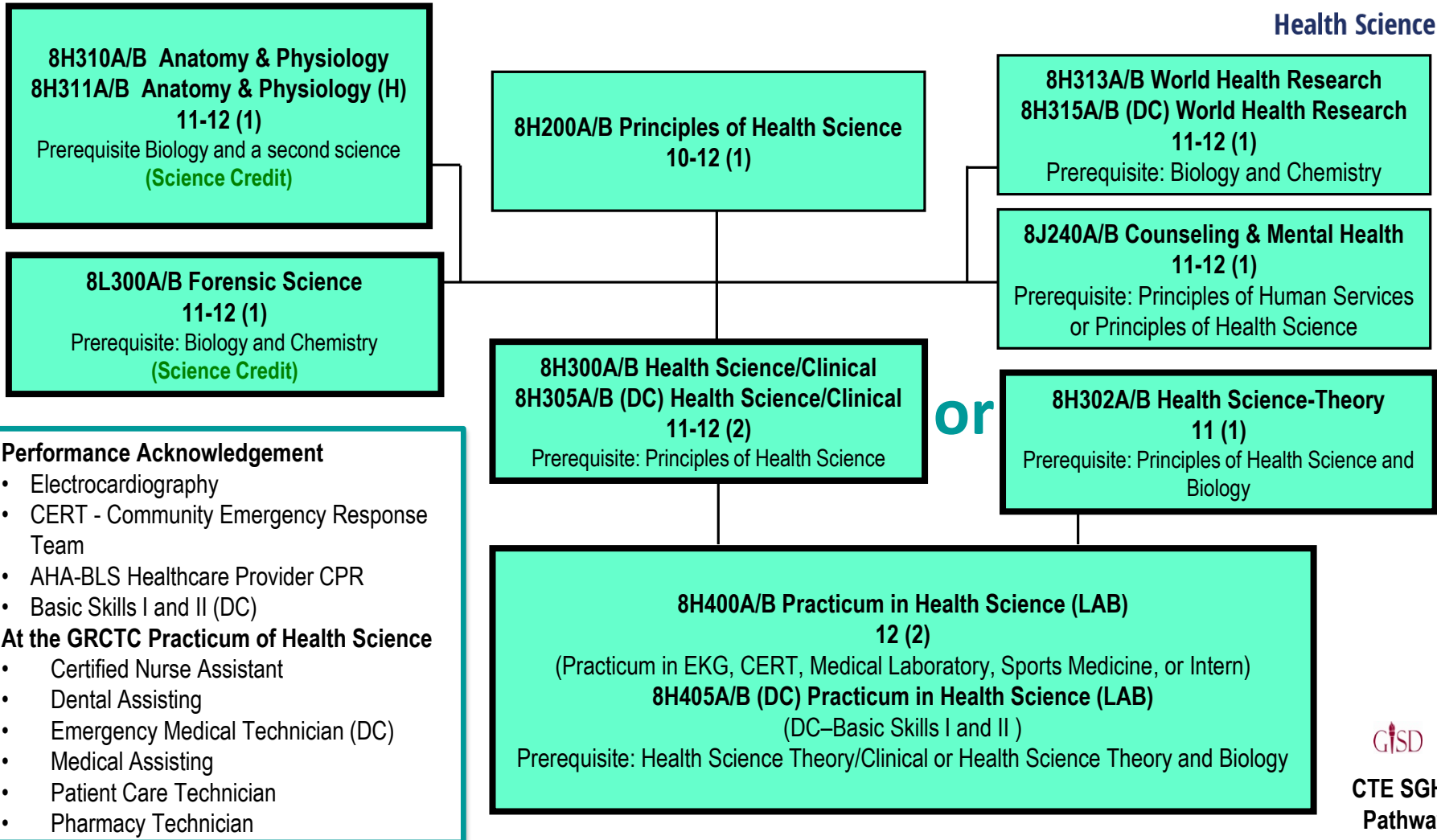
Education
& Training



Health Science



Health Science



Performance Acknowledgement

- Electrocardiography
- CERT - Community Emergency Response Team
- AHA-BLS Healthcare Provider CPR
- Basic Skills I and II (DC)

At the GRCTC Practicum of Health Science

- Certified Nurse Assistant
- Dental Assisting
- Emergency Medical Technician (DC)
- Medical Assisting
- Patient Care Technician
- Pharmacy Technician

Human Services



Human Services

8E100A/B Principles of Education and Training
9-12 (1)

or

8J100A/B Principles of Human Services
8-12 (1)

8E220A/B Human Growth & Development
9-12 (1)
R. Prerequisite: Principles of Education and Training or Principles of Human Services

&
or

8J220S Interpersonal Studies
9-12 (0.5)
R. Prerequisite: Principles of Education and Training or Principles of Human Services

&
or

8J230S Lifetime Nutrition and Wellness
9-12 (0.5)
R. Prerequisite: Principles of Education and Training or Principles of Human Services

8J310A/B Child Development
10-12 (1)
R. Prerequisite: Principles of Education and Training or Principles of Human Services

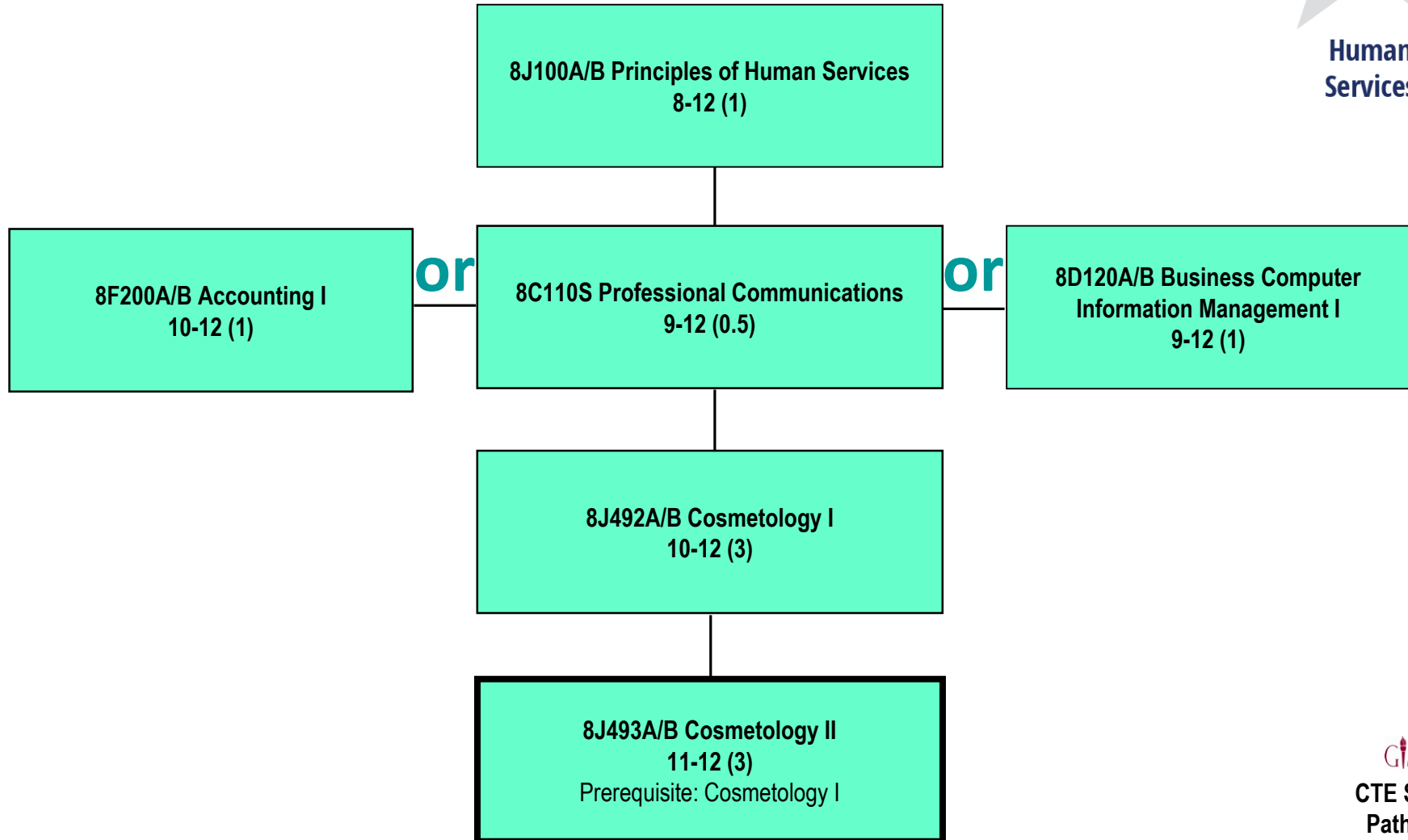
&
or

8J319S Dollars and Sense
10-12 (0.5)
R. Prerequisite: Principles of Education and Training or Principles of Human Services

8J470A/B Practicum in Human Services Extended (First Time Taken)
11-12 (3)
R. Prerequisite: Principles of Education and Training or Principles of Human Services

8J490A/B Practicum in Human Services Extended (Second Time Taken)
12 (3)
R. Prerequisite: Practicum in Human Services Extended (First Time Taken)

Cosmetology



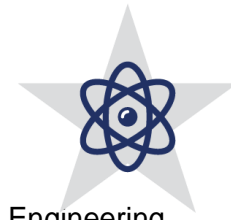
Garland ISD Career and Technical Education Career Clusters South Garland High School

STEM Endorsement



**Science,
Technology,
Engineering &
Mathematics**

Engineering



80100A/B Principles of Applied Engineering
9-12 (1)

Robotics and Engineering

Electronics

80250A/B AC/DC Electronics
80255A/B (DC) AC/DC Electronics
10-12 (1)
R. Prereq: Principles of Applied Engineering

80260A/B Applied Mathematics for Technical Professionals
10-12 (1)
(Math Credit)

80270A/B Engineering Applications of Computer Science Principles
10-12 (1)
Prerequisite: Principles of Applied Engineering

80230A/B Engineering Design and Presentation 1
10-12 (1)
Prerequisite: Algebra I

80370A/B Digital Electronics
80375A/B (DC) Digital Electronics
11-12 (1)
Prerequisites: Algebra I and Geometry

80400A/B Solid State Electronics
80405A/B (DC) Solid State Electronics
11-12 (1)
Prerequisites: AC/DC Electronics

80220A/B Robotics I
10-12 (1)
R. Prereq: Principles of Applied Engineering

STEM Endorsement requires Algebra II, Chemistry and Physics

8C110S Professional Communications
9-12 (0.5)
8C050S Professional Communications
8 (0.5) (MS for HS Credit)

80360A/B Engineering Math
11-12 (1)
Prerequisite: Algebra II
(Math Credit)

Performance Acknowledgement

- Autodesk Autocad User
- Autodesk Inventor

80410 Practicum in STEM
12 (2)
Prerequisites: Algebra I and Geometry. Recommended prerequisites: two Science, Technology, Engineering, and Mathematics (STEM) Career Cluster credits.