

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

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

### BUSINESS AND INDUSTRY ENDORSEMENT

<b>Agriculture, Food and Natural Resources</b>		
Agriculture	Page	5
<b>Architecture and Construction</b>		
Architecture Design or Interior Design	Page	6
Construction Technology	Page	7
<b>Arts, A/V and Communication</b>		
Fashion Design	Page	8
Graphic Design & Illustration and Animation	Page	9
<b>Business Management and Administration</b>		
International Business - Business Management	Page	10
<b>Finance</b>		
Banking & Financial Services - Accounting	Page	11
<b>Hospitality and Tourism</b>		
Hospitality or Culinary	Page	12
<b>Information Technology</b>		
Digital Media	Page	13
<b>Manufacturing</b>		
Metal Manufacturing	Page	14
Manufacturing Production	Page	15
<b>Marketing</b>		
Sales Manager	Page	16

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

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

**PUBLIC SERVICES ENDORSEMENT (page 17)**

<b>Education and Training</b>		
Education and Training	Page	18
<b>Health Science</b>		
Health Science	Page	19
<b>Human Services</b>		
Human Services	Page	20

**STEM (Science, Technology, Engineering and Mathematics) ENDORSEMENT (Page 21)**

<b>Science, Technology, Engineering and Mathematics</b>		
Engineering and Robotics	Page	22

# 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)

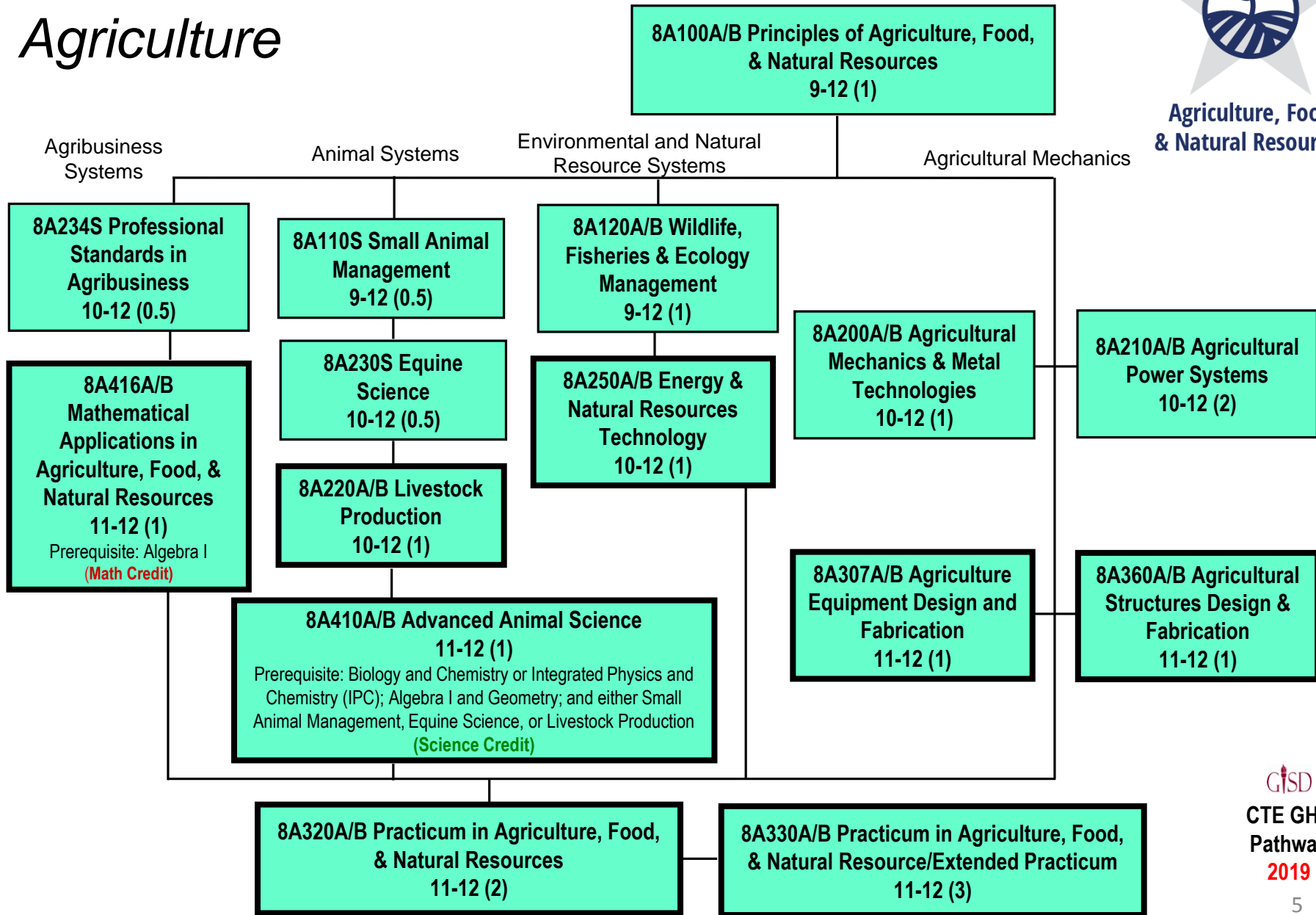
**RED -** (Math Credit)

**GREEN -** (Science Credit)

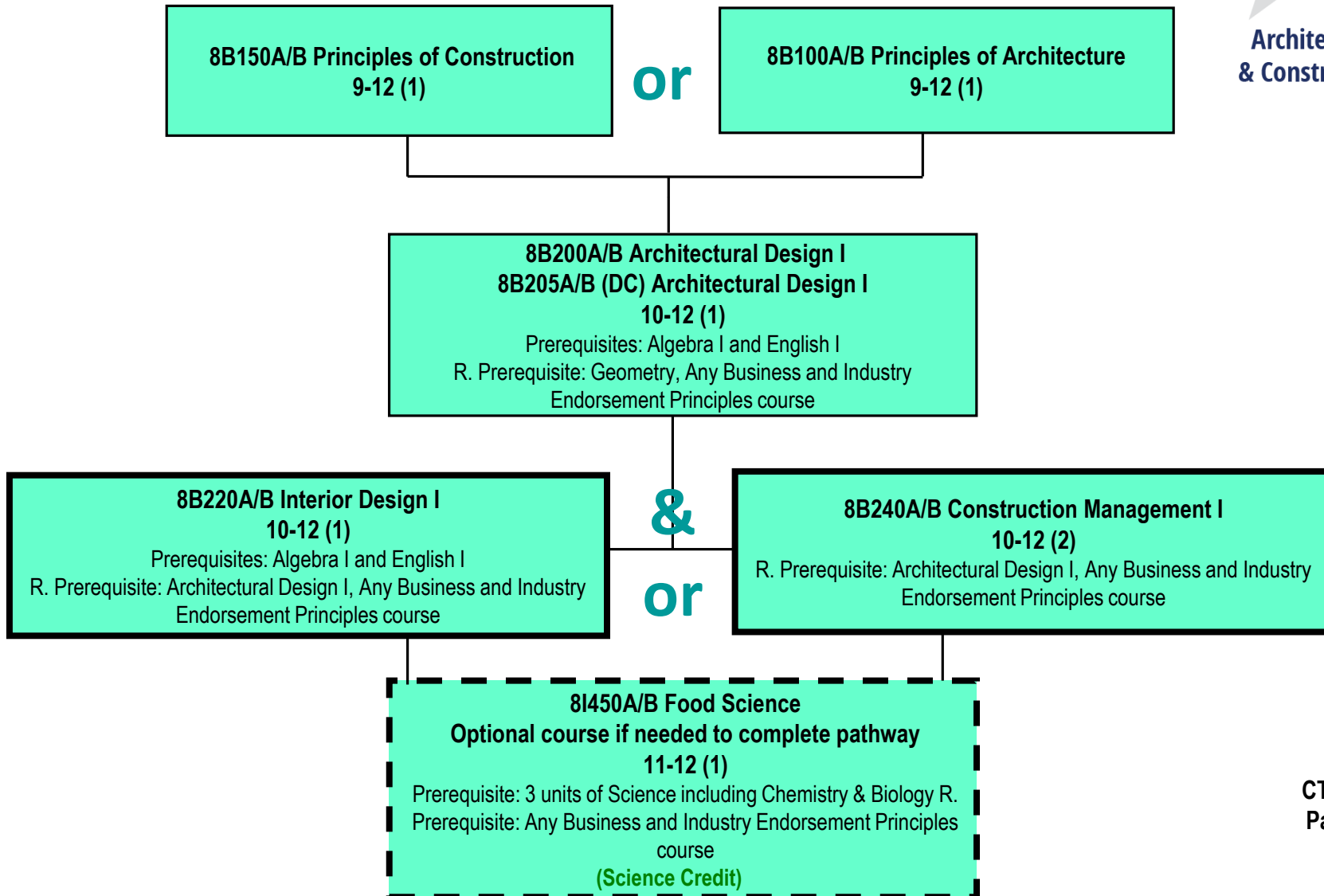
# Agriculture



Agriculture, Food & Natural Resources



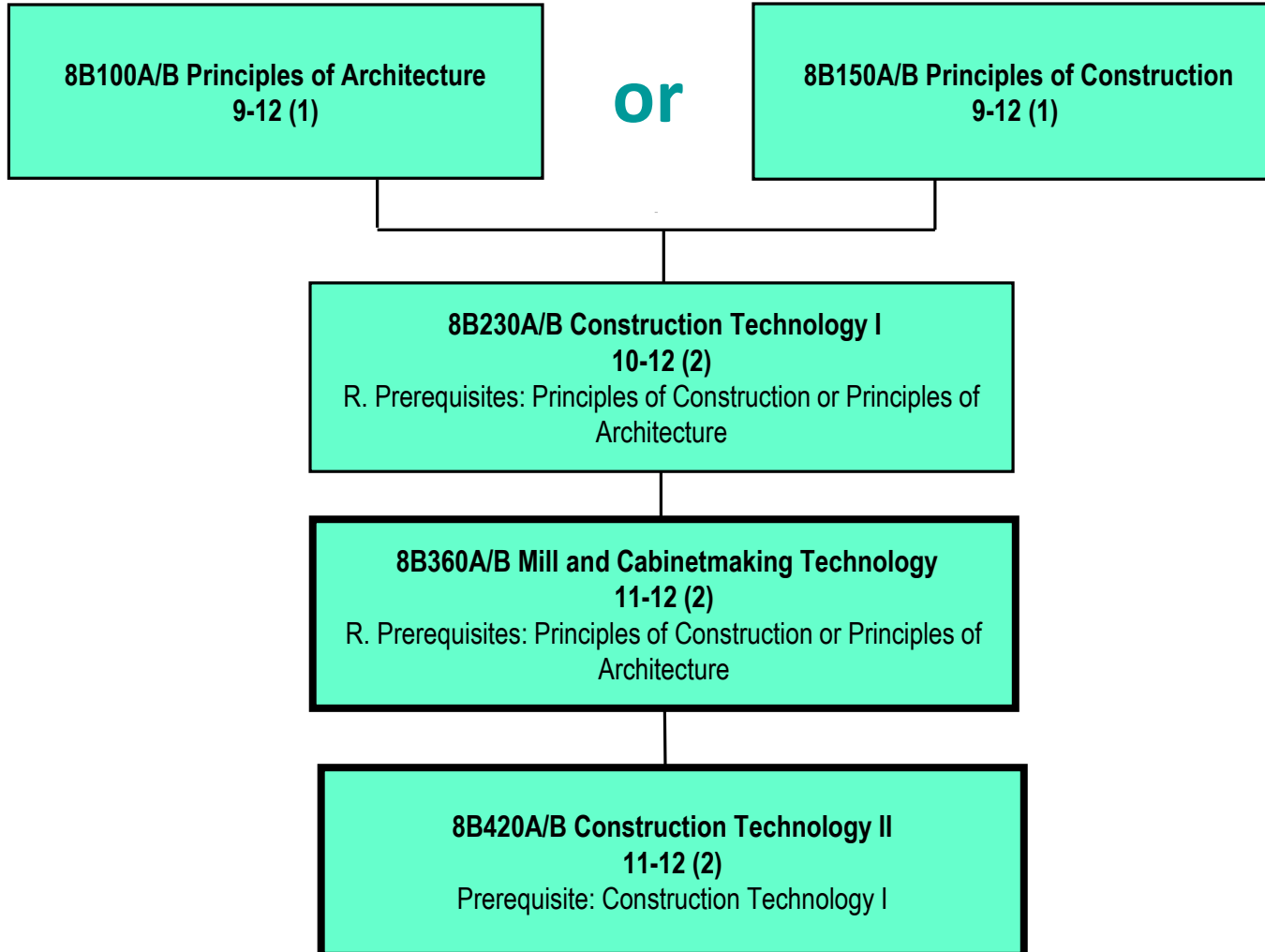
# Architecture Design or Interior Design



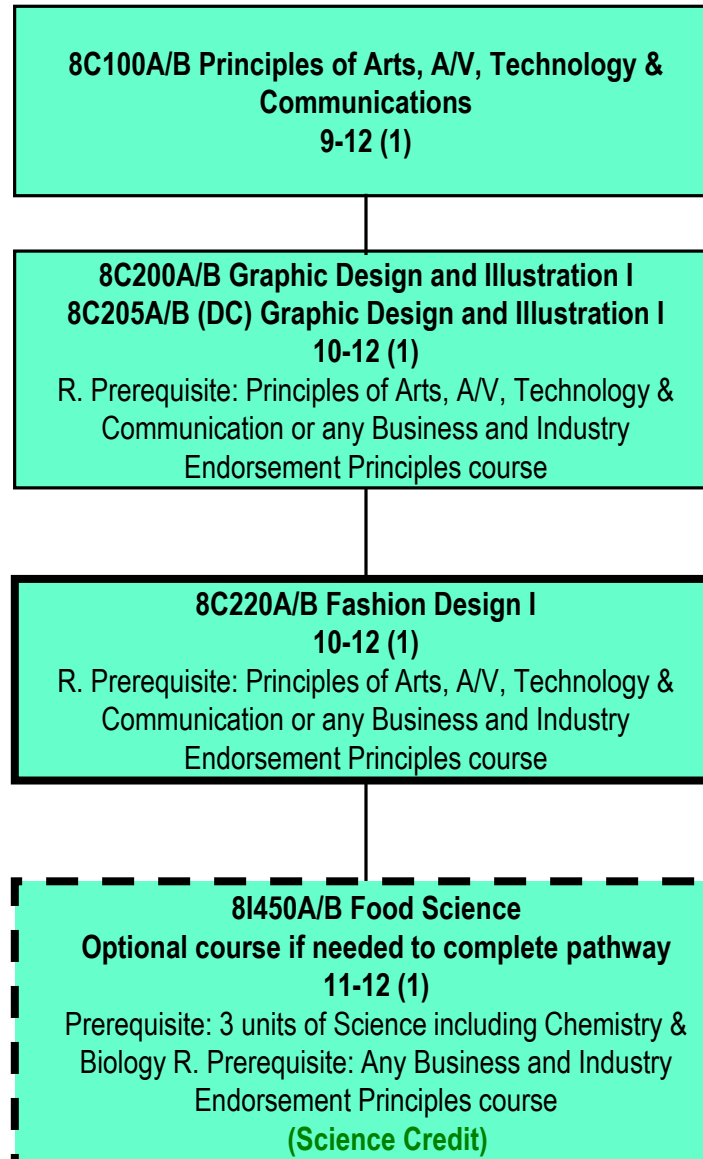
# Construction Technology



Architecture  
& Construction



# Fashion Design





# Graphic Design and Illustration and Animation



**8C100A/B Principles of Arts, A/V Technology & Communications**  
9-12 (1)

**8C200A/B Graphic Design & Illustration I**  
**8C205A/B (DC) Graphic Design & Illustration I**  
10-12 (1)  
R. Prerequisite: Principles of Arts, A/V Technology & Communications

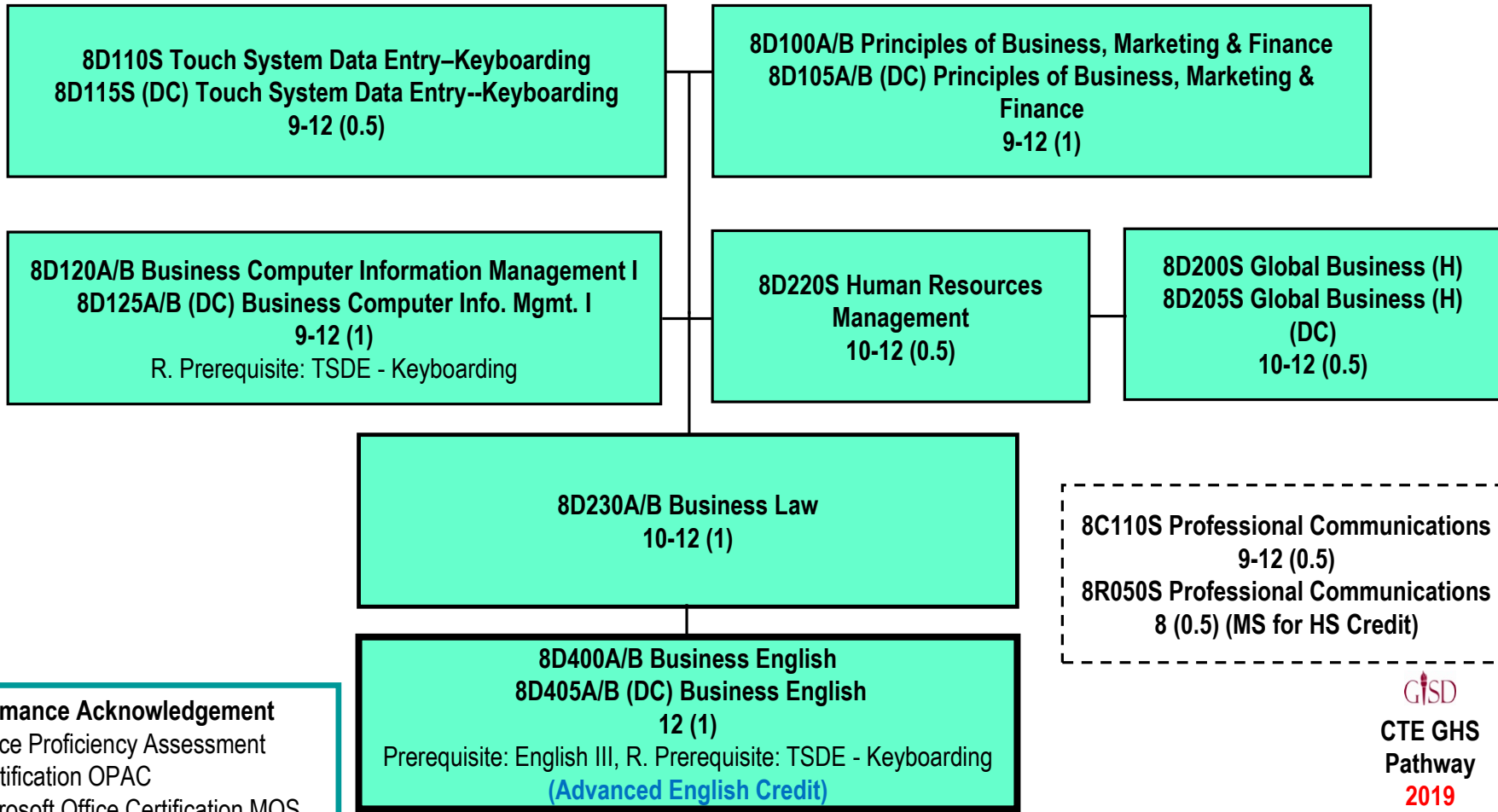
**8C210A/B Animation I**  
**8C215A/B (DC) Animation I**  
10-12 (1)  
R. Prerequisite: Principles of Arts, A/V Technology & Communications or Art I

**8C320A/B Animation II**  
**8C325A/B (DC) Animation II**  
11-12 (1)  
Prerequisite: Animation I

**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)

# International Business Business Management



## Performance Acknowledgement

- Office Proficiency Assessment Certification OPAC
- Microsoft Office Certification MOS

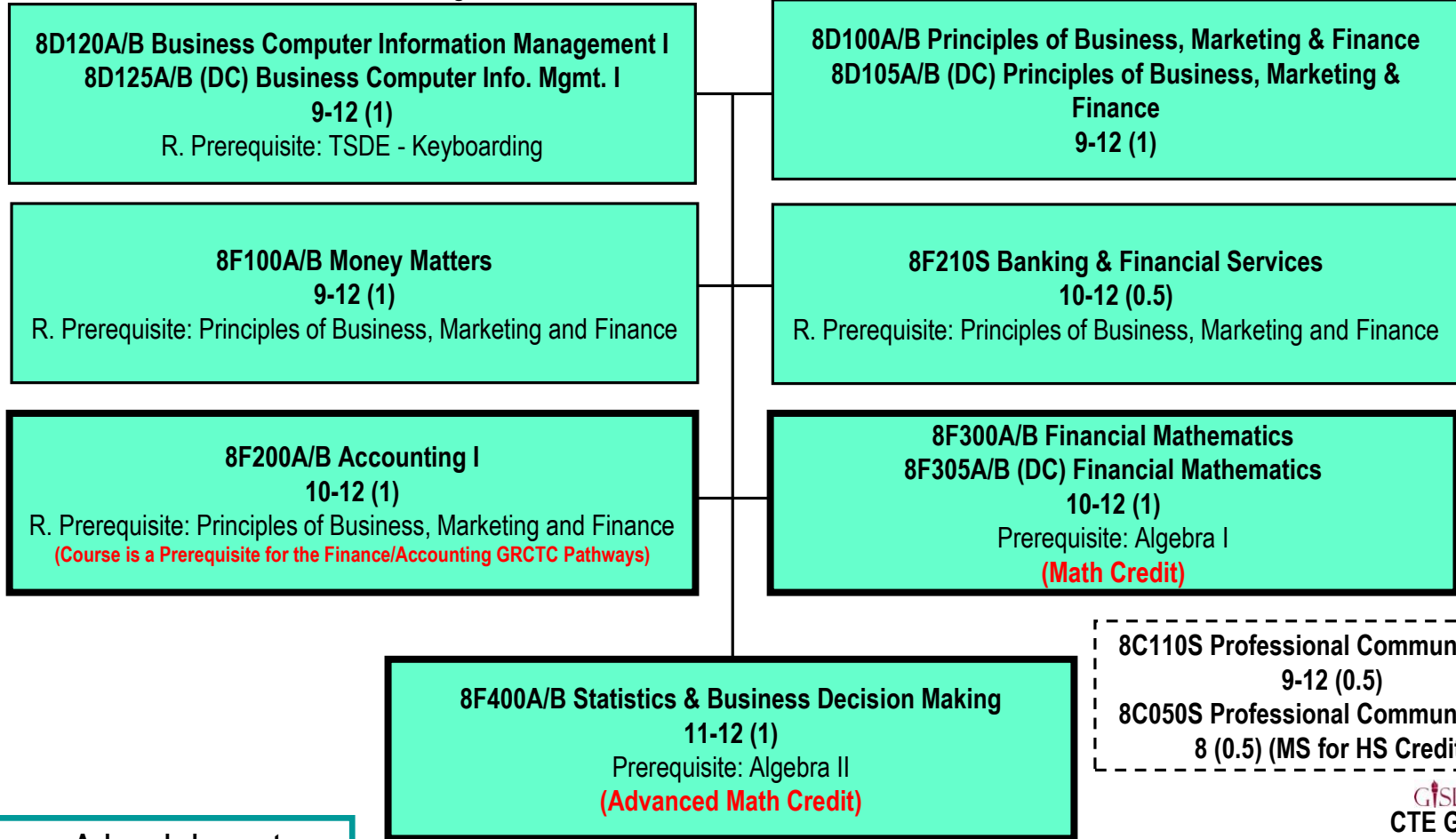
# Banking and Financial Services Accounting



## Accounting

## Banking and Financial Services

## Finance



- 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 GHS  
Pathway  
2019

# Hospitality or Culinary



**81100A/B Principles of Hospitality and Tourism**  
9-12 (1)

**81120A/B Introduction to Culinary Arts**  
9-12 (1)

R. Prerequisite: Principles of Hospitality & Tourism or any  
Business and Industry Endorsement Principles course

**81230A/B Travel and Tourism Management**  
10-12 (1)

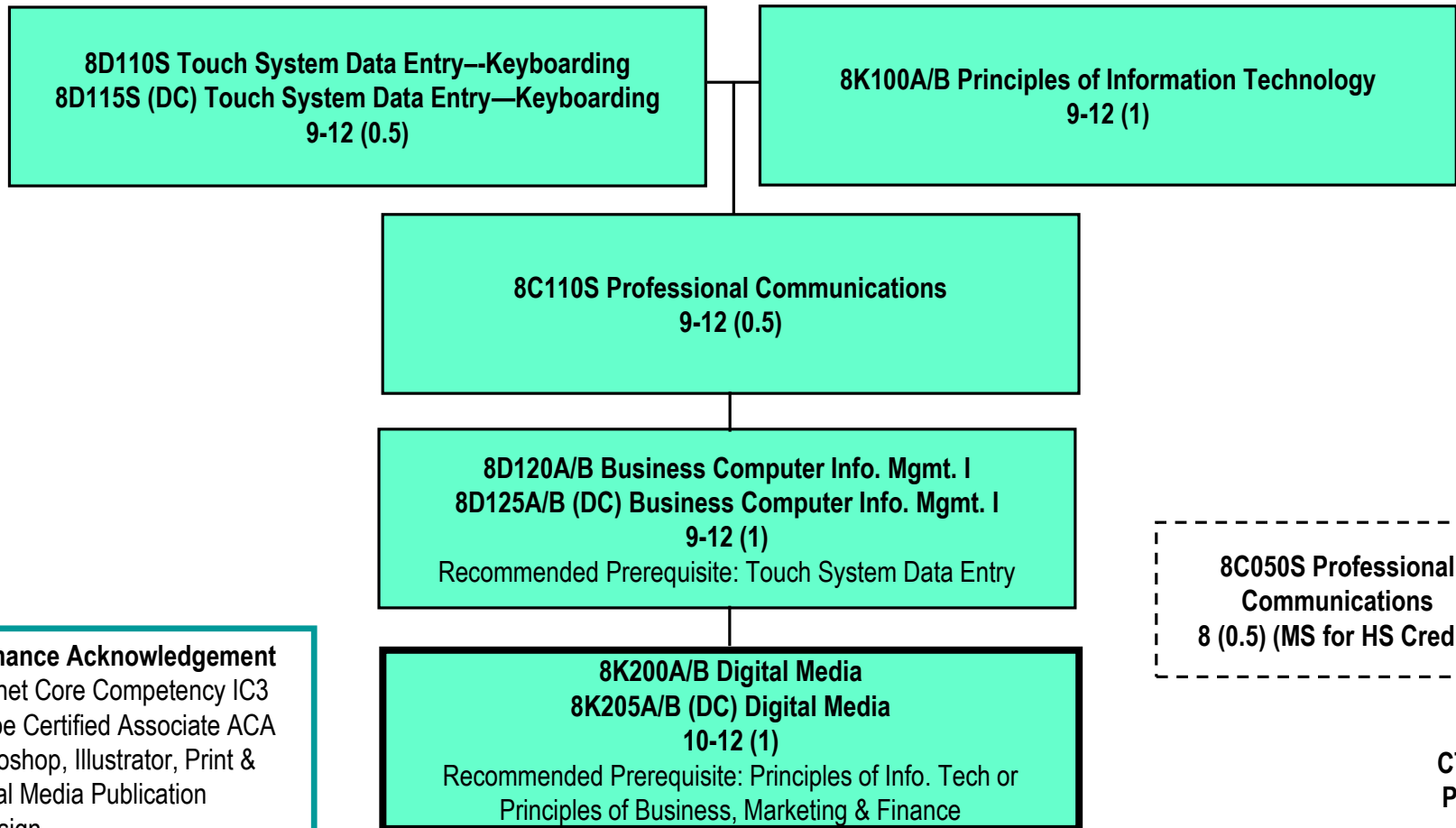
R. Prerequisite: Principles of Hospitality & Tourism or any  
Business and Industry Endorsement Principles course

**81450A/B Food Science**  
11-12 (1)

Prerequisite: 3 units Science including Chemistry & Biology  
R. Prerequisite: Principles of Hospitality & Tourism or any  
Business and Industry Endorsement Principles course  
**(Science Credit)**

**Performance Acknowledgement:**  
ServSafe

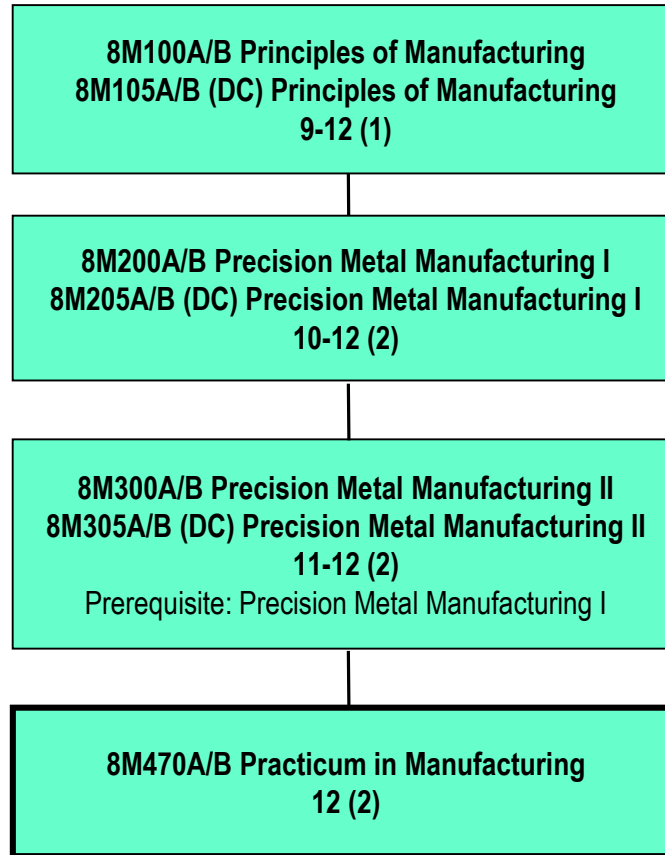
# Digital Media



## Performance Acknowledgement

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

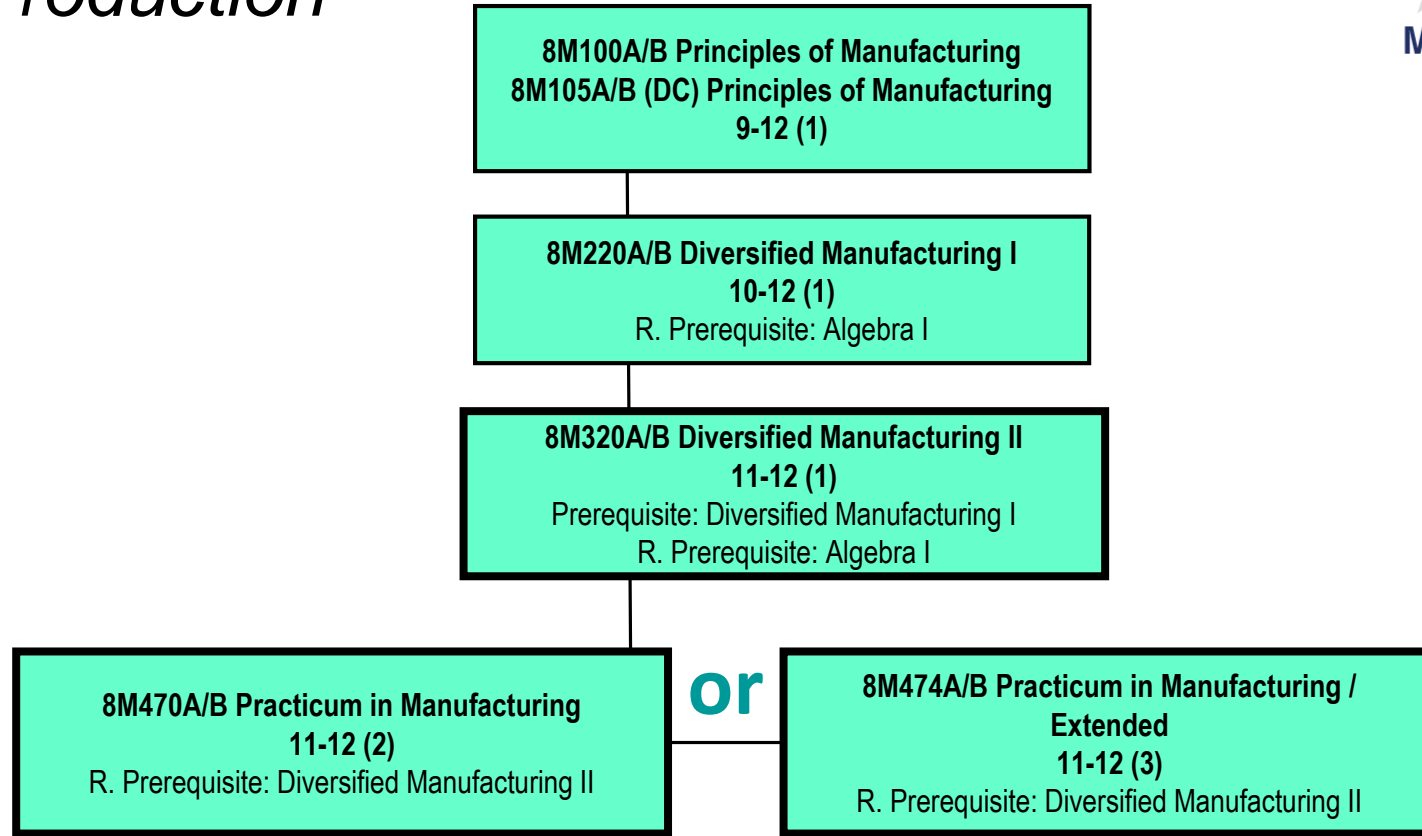
# Metal Manufacturing



## Performance Acknowledgement

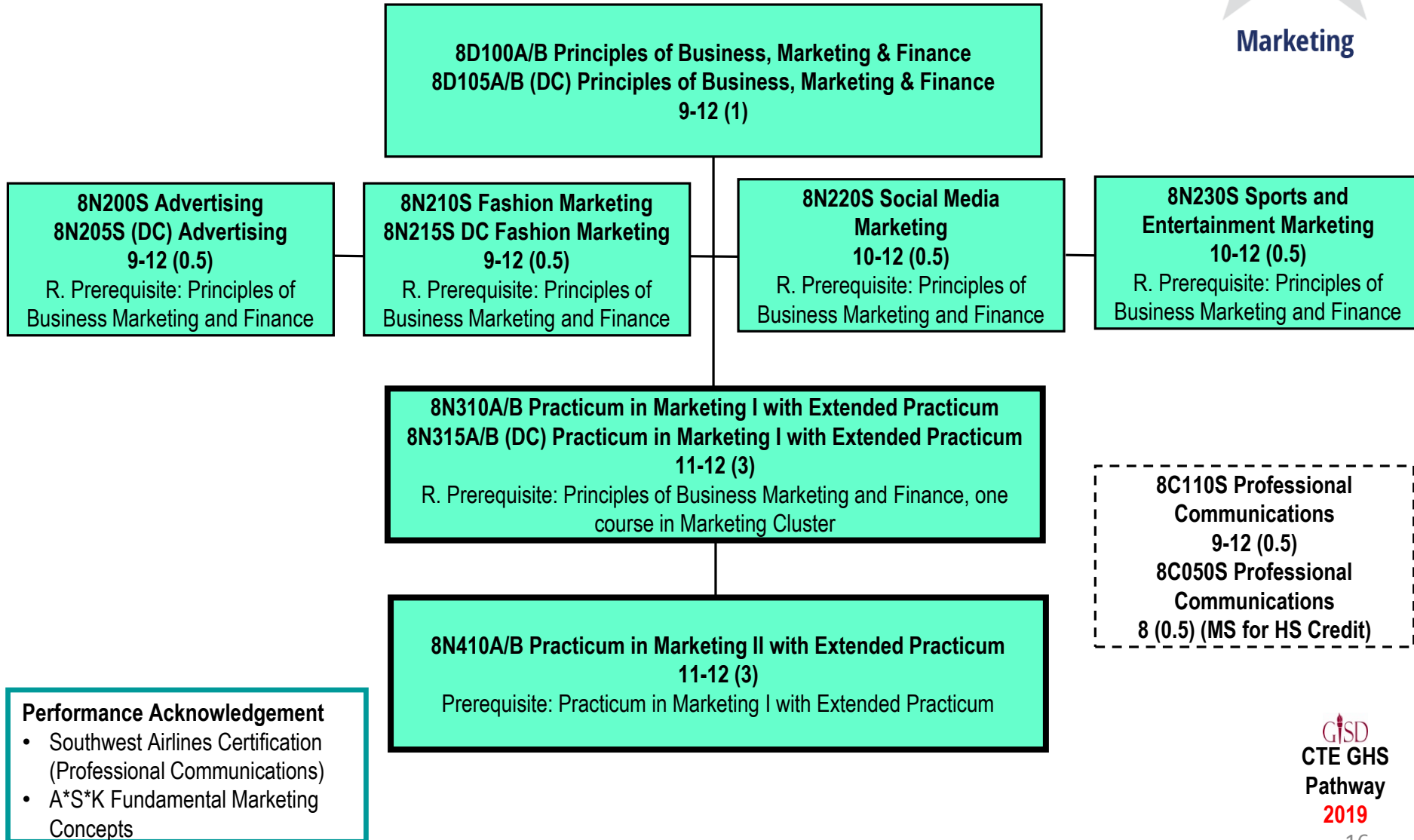
- NIMS- National Institute for Metalworking Skills- Certification Level 1
- OSHA

# Manufacturing Production



- Performance Acknowledgement**
- NIMS- National Institute for Metalworking Skills- Certification Level 1
  - OSHA

# Sales Manager

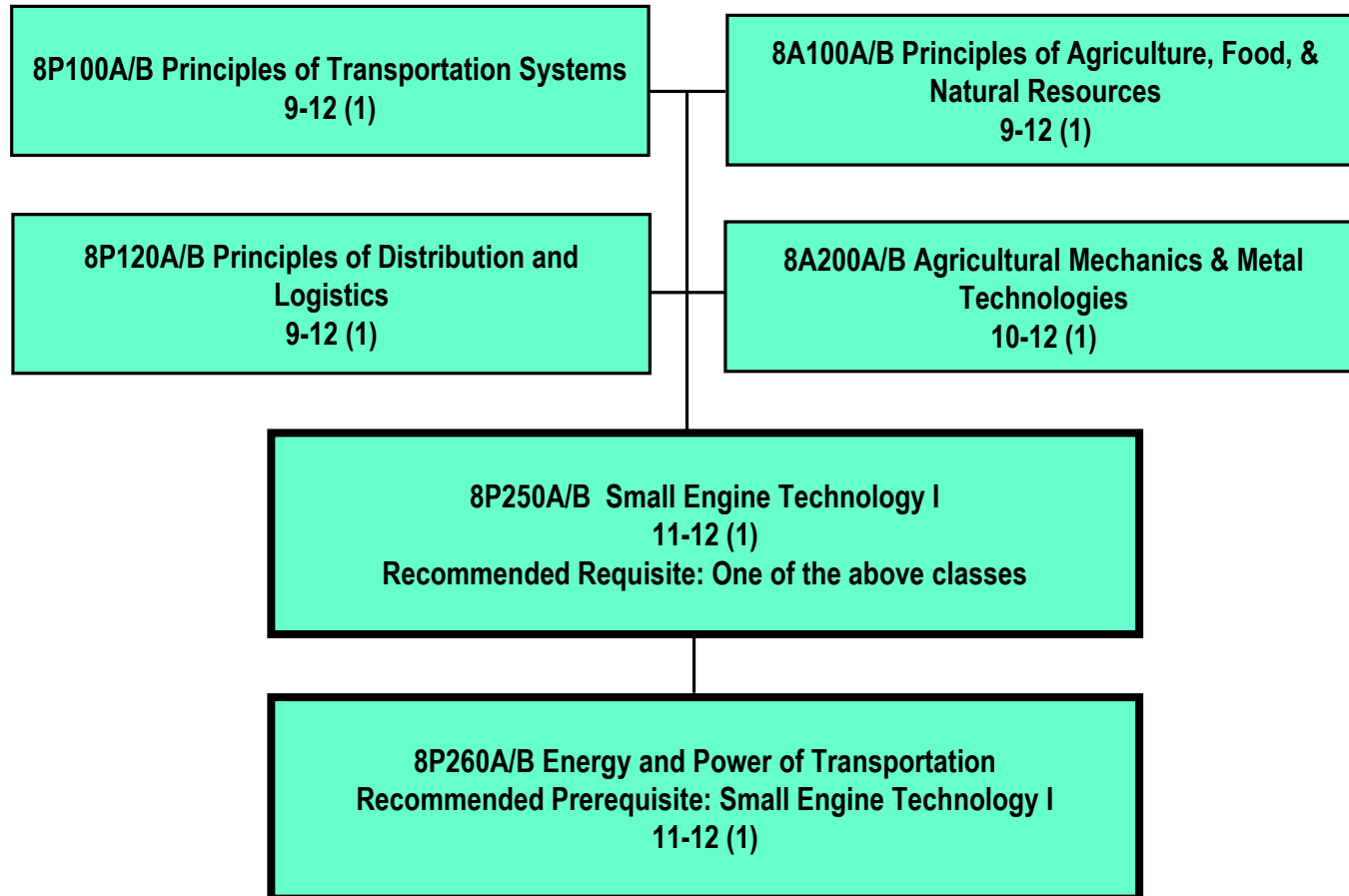




# Transportation, Distribution & Logistics



Transportation,  
Distribution  
& Logistics



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

## Public Services Endorsement



**Education  
& Training**



**Health Science**

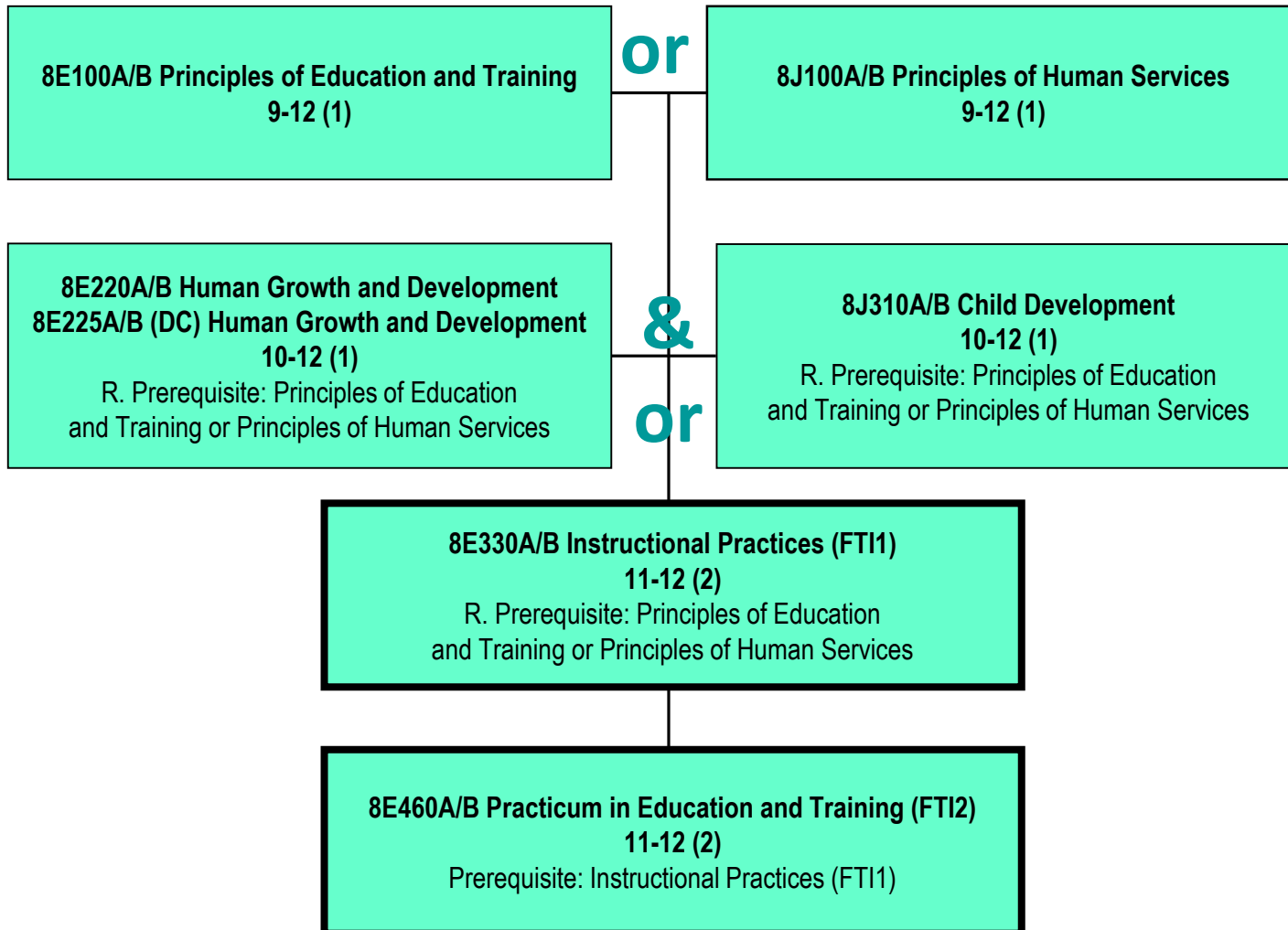


**Human  
Services**

# Education and Training



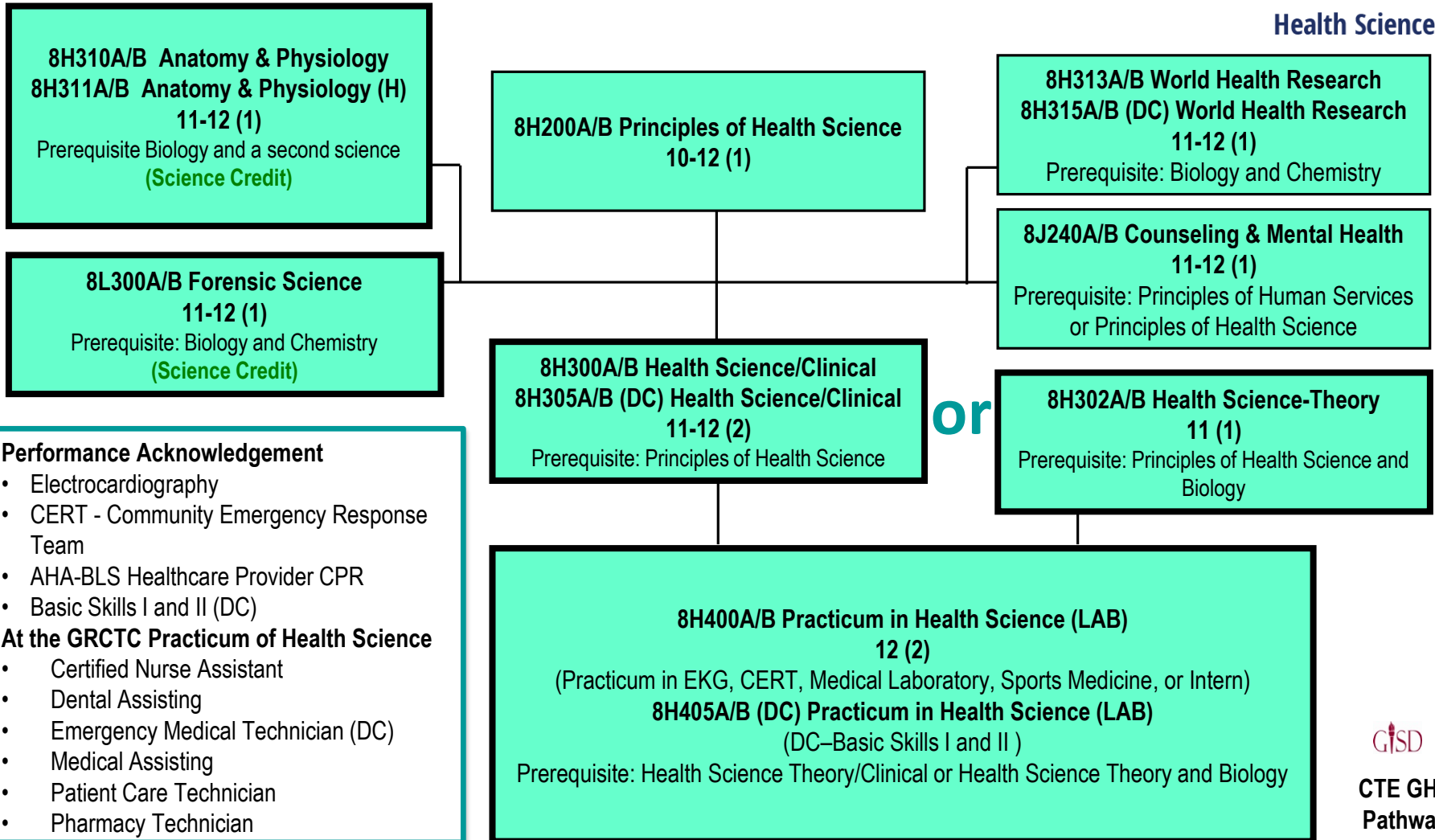
Education  
& Training



# 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

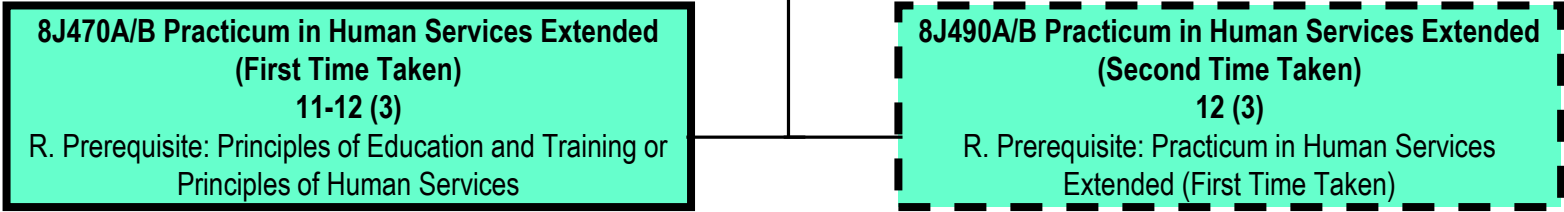
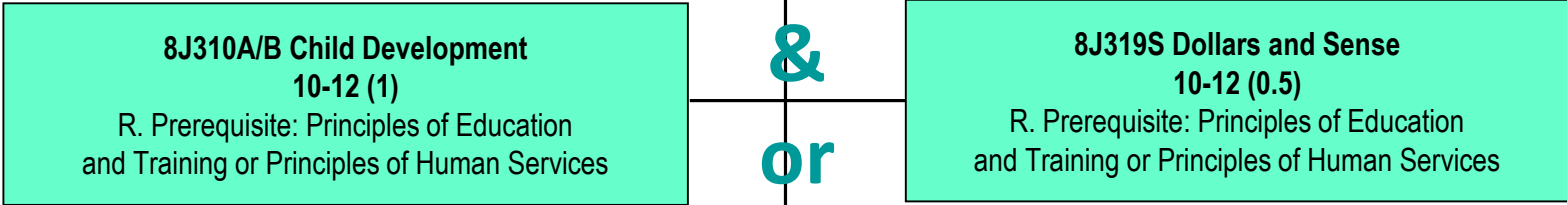
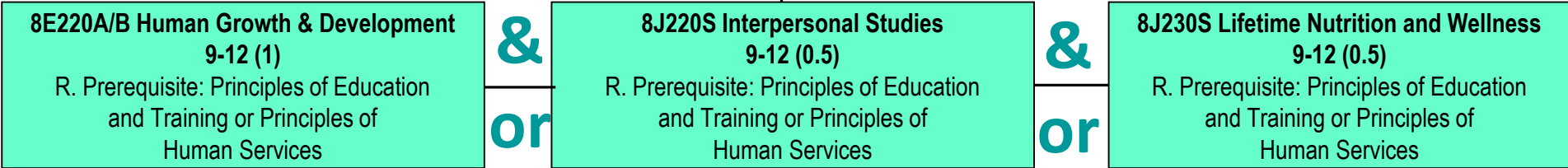
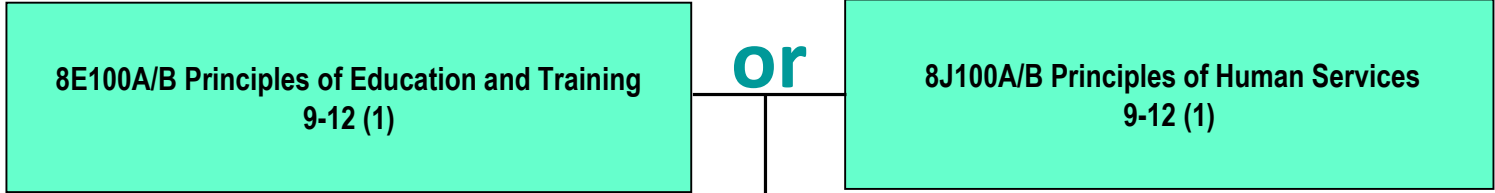


CTE GHS  
Pathway  
2019

# Human Services



Human  
Services



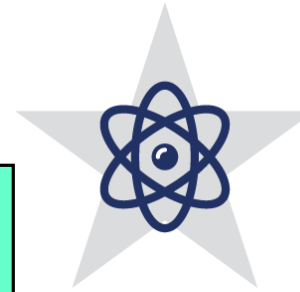
# Garland ISD Career and Technical Education Career Clusters Garland High School

## STEM Endorsement

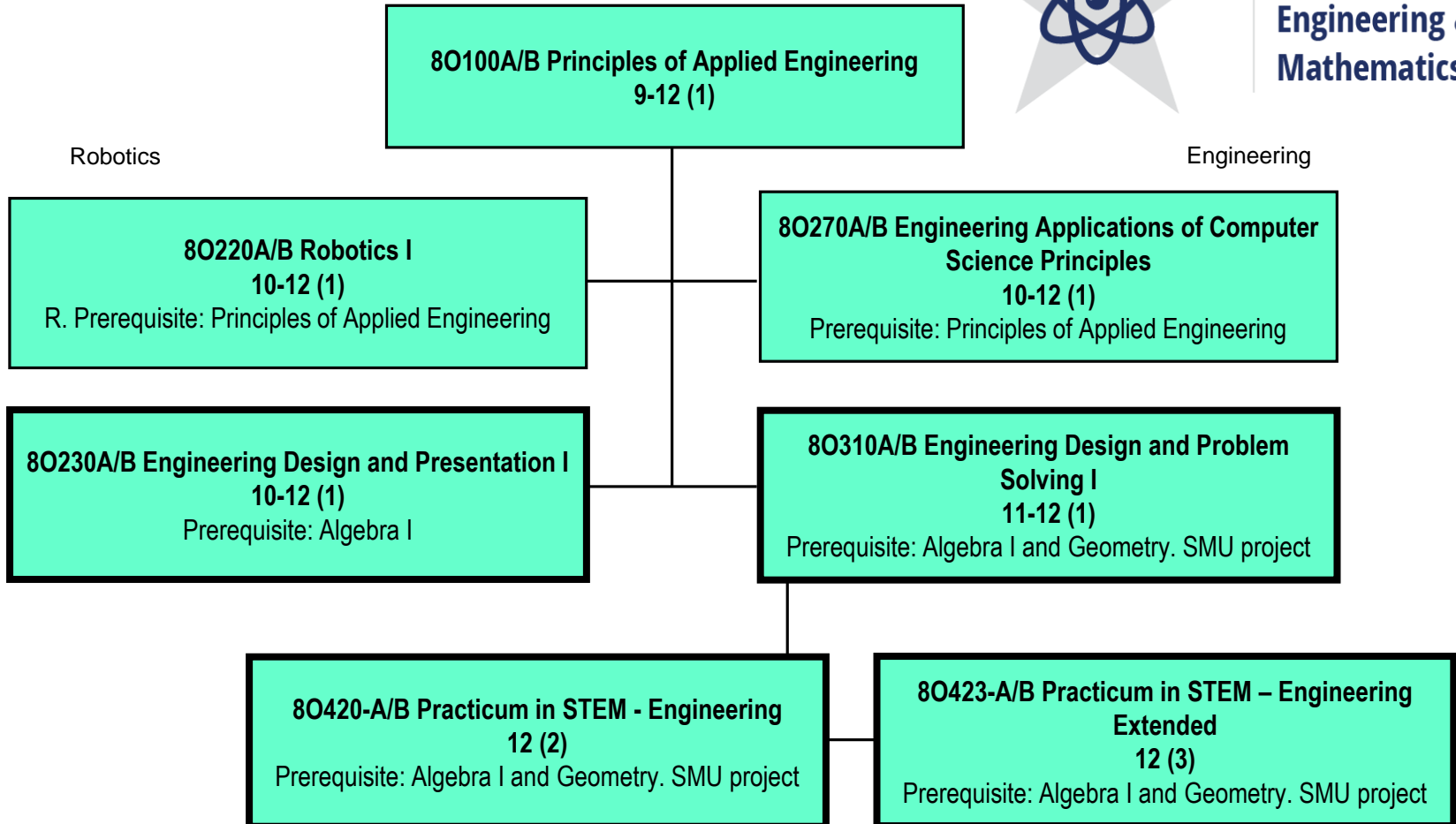


**Science,  
Technology,  
Engineering &  
Mathematics**

# Engineering



Science,  
Technology,  
Engineering &  
Mathematics



## Performance Acknowledgement

- Autodesk Autocad User
- Autodesk Inventor

STEM Endorsement requires  
Algebra II, Chemistry and Physics