Business & Industry Endorsement

Business & Industry

Agriculture, Food, & Natural Resources (Option 1)
Agriculture Mechanics
Animal Science
Horticulture/Floral Design
Natural Resources
Veterinary Science

Architecture & Construction

Architecture

Construction Technology

Interior Design

Arts, A/V Technology & Communication

Animation

Fashion Design

Audio/Video Production

Mass Communication

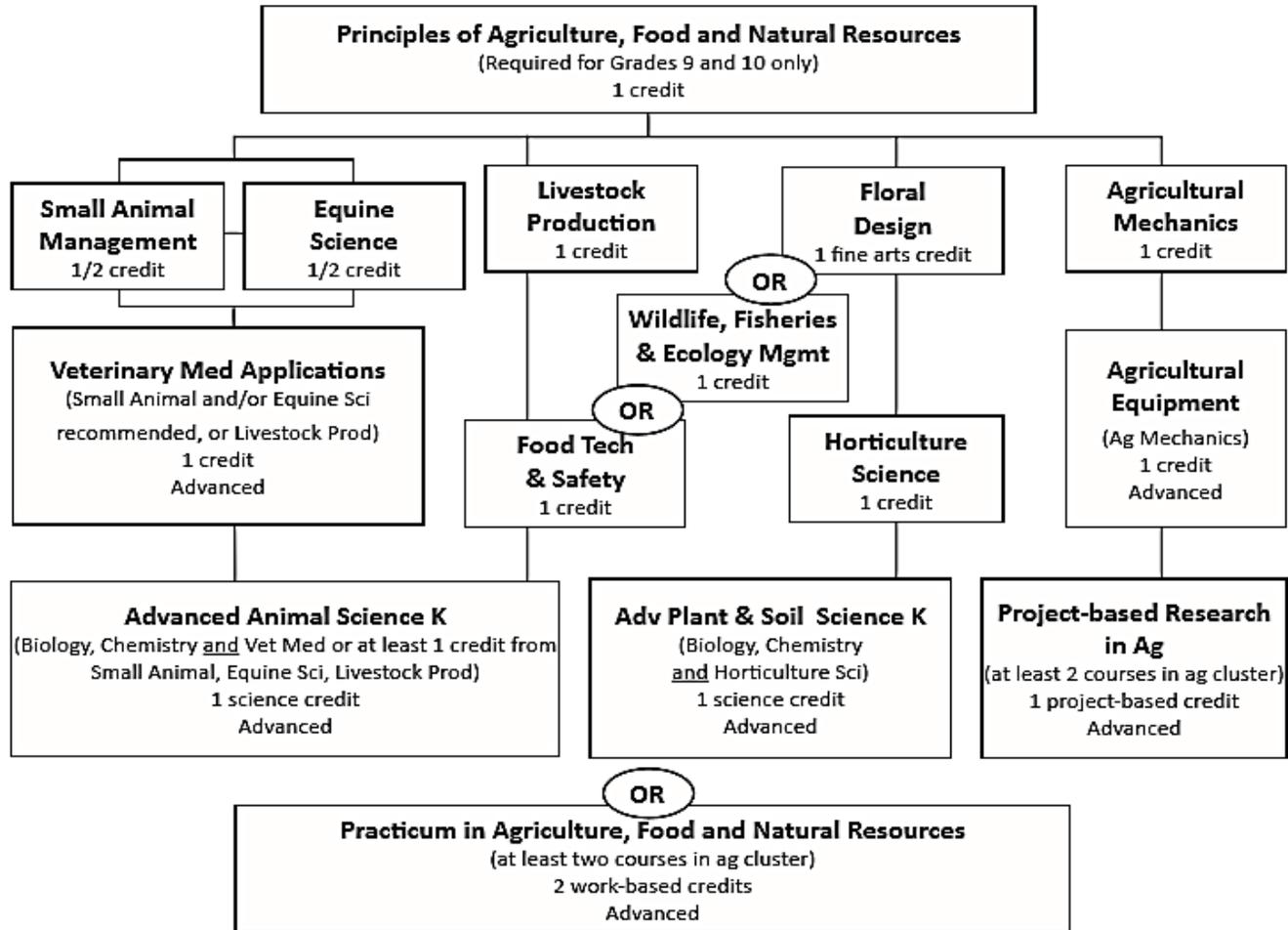Business Management & Administration

Administration Support

Management

Human Resources

AGRICULTURE, FOOD AND NATURAL RESOURCES
Endorsement: Business & Industry

(required prerequisite)

Principles of Agriculture, Food and Natural Resources
(Required for Grades 9 and 10 only)
1 credit

Small Animal Management
1/2 credit

Equine Science
1/2 credit

Livestock Production
1 credit

Floral Design
1 fine arts credit

Agricultural Mechanics
1 credit

OR

Wildlife, Fisheries & Ecology Mgmt
1 credit

Veterinary Med Applications
(Small Animal and/or Equine Sci recommended, or Livestock Prod)
1 credit
Advanced

OR

Food Tech & Safety
1 credit

Horticulture Science
1 credit

Agricultural Equipment
(Ag Mechanics)
1 credit
Advanced

Advanced Animal Science K
(Biology, Chemistry and Vet Med or at least 1 credit from Small Animal, Equine Sci, Livestock Prod)
1 science credit
Advanced

Adv Plant & Soil Science K
(Biology, Chemistry and Horticulture Sci)
1 science credit
Advanced

Project-based Research in Ag
(at least 2 courses in ag cluster)
1 project-based credit
Advanced

OR

Practicum in Agriculture, Food and Natural Resources
(at least two courses in ag cluster)
2 work-based credits
Advanced

Business and Industry Option 1-CTE – Agriculture, Foods and Natural Resources
SAMPLE course sequences

Career Interest	9th Grade	10th Grade	11th Grade	12th Grade
Ag Mechanics	Principles of Ag	Ag Mechanics	*Ag Equipment	*Practicum in Ag (2) or *Project-based Research in Ag or Welding I (2)
Animal Science (focus on Livestock/Wildlife Mgmt)	Principles of Ag	Livestock Production	Food Tech/Safety or Wildlife	*Adv Animal Sci K (also 1 science credit) or *Practicum in Ag (2) or *Project-based Research in Ag
Animal Science (focus on Veterinary Science)	Principles of Ag	Equine Science (.5) and/or Small Animal Mgmt (.5)	*Vet Med Applications	*Adv Animal Sci K (also 1 science credit) or *Practicum in Ag (2) or *Project-based Research in Ag
Horticulture	Principles of Ag	Floral Design (also 1 Fine Arts) or Wildlife	Horticulture Science	*Adv Plant & Soil Science K (also 1 science credit), or *Practicum in Ag (2) or *Project-based Research in Ag
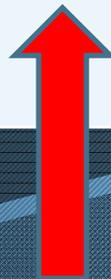
NOTE: **Principles of Ag** is a **REQUIRED** prerequisite for all Ag courses!

Business & Industry

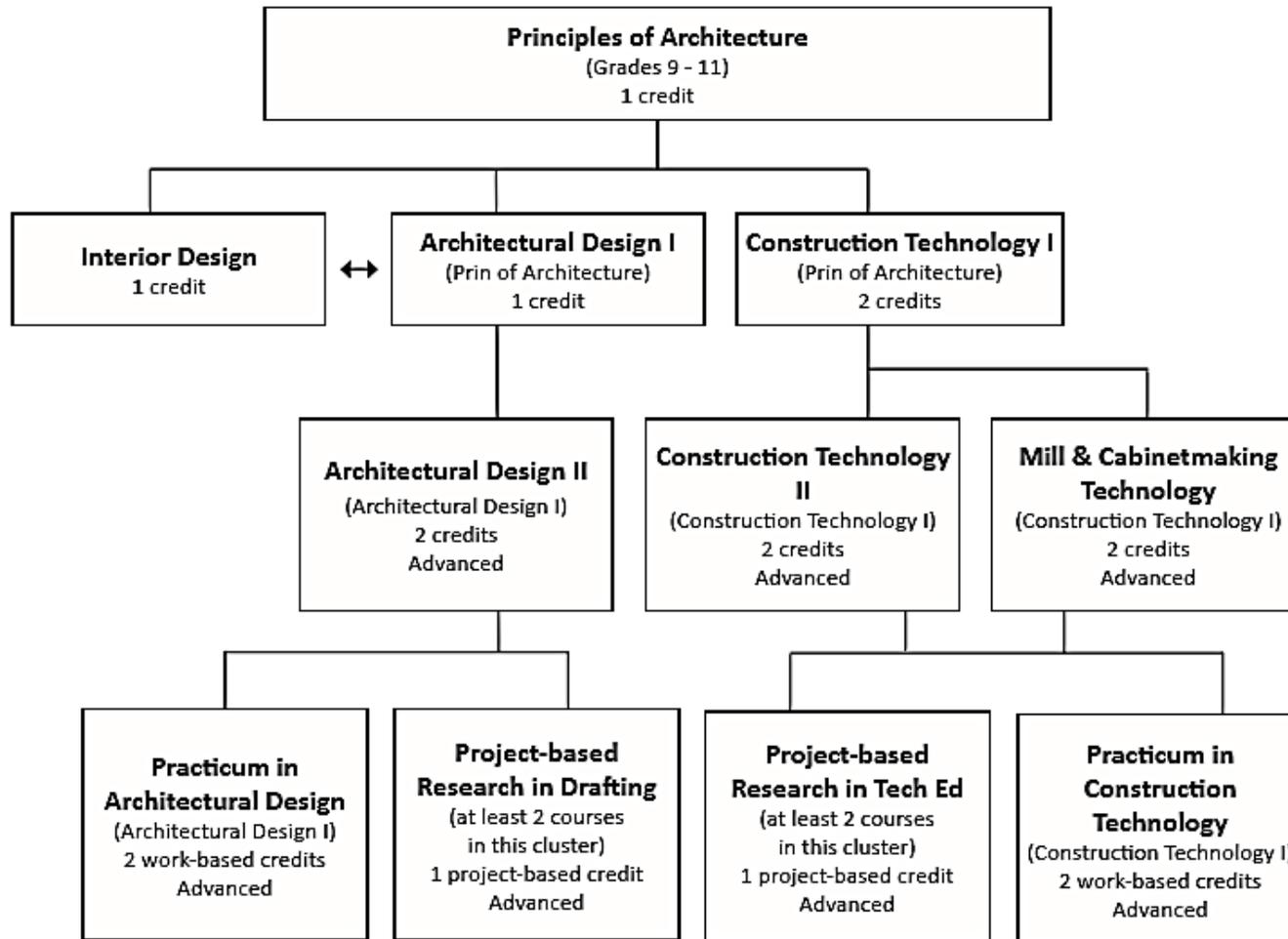| Agriculture, Food, & Natural Resources	Architecture & Construction (Option 1)	Arts, A/V Technology & Communication	Business Management & Administration
Agriculture Mechanics	Architecture	Animation	Administration Support
Animal Science	Construction Technology	Fashion Design	Management
Horticulture/Floral Design	Interior Design	Audio/Video Production	Human Resources
Natural Resources		Mass Communication	
Veterinary Science			

ARCHITECTURE AND CONSTRUCTION
Endorsement: Business & Industry

(required prerequisite)

Principles of Architecture
(Grades 9 – 11)
1 credit

Interior Design
1 credit

↔

Architectural Design I
(Prin of Architecture)
1 credit

Construction Technology I
(Prin of Architecture)
2 credits

Architectural Design II
(Architectural Design I)
2 credits
Advanced

Construction Technology II
(Construction Technology I)
2 credits
Advanced

Mill & Cabinetmaking Technology
(Construction Technology I)
2 credits
Advanced

Practicum in Architectural Design
(Architectural Design I)
2 work-based credits
Advanced

Project-based Research in Drafting
(at least 2 courses in this cluster)
1 project-based credit
Advanced

Project-based Research in Tech Ed
(at least 2 courses in this cluster)
1 project-based credit
Advanced

Practicum in Construction Technology
(Construction Technology I)
2 work-based credits
Advanced

Business & Industry

Agriculture, Food & Natural Resources

Architecture & Construction

Arts, A/V Technology & Communication (Option 1)

Business Management & Administration

Agriculture Mechanics

Architecture

Animation & Game Art Design

Administration Support

Animal Science

Construction Technology

Fashion Design

Management

Horticulture/Floral Design

Interior Design

Audio/Video Production

Human Resources

Natural Resources

Mass Communication
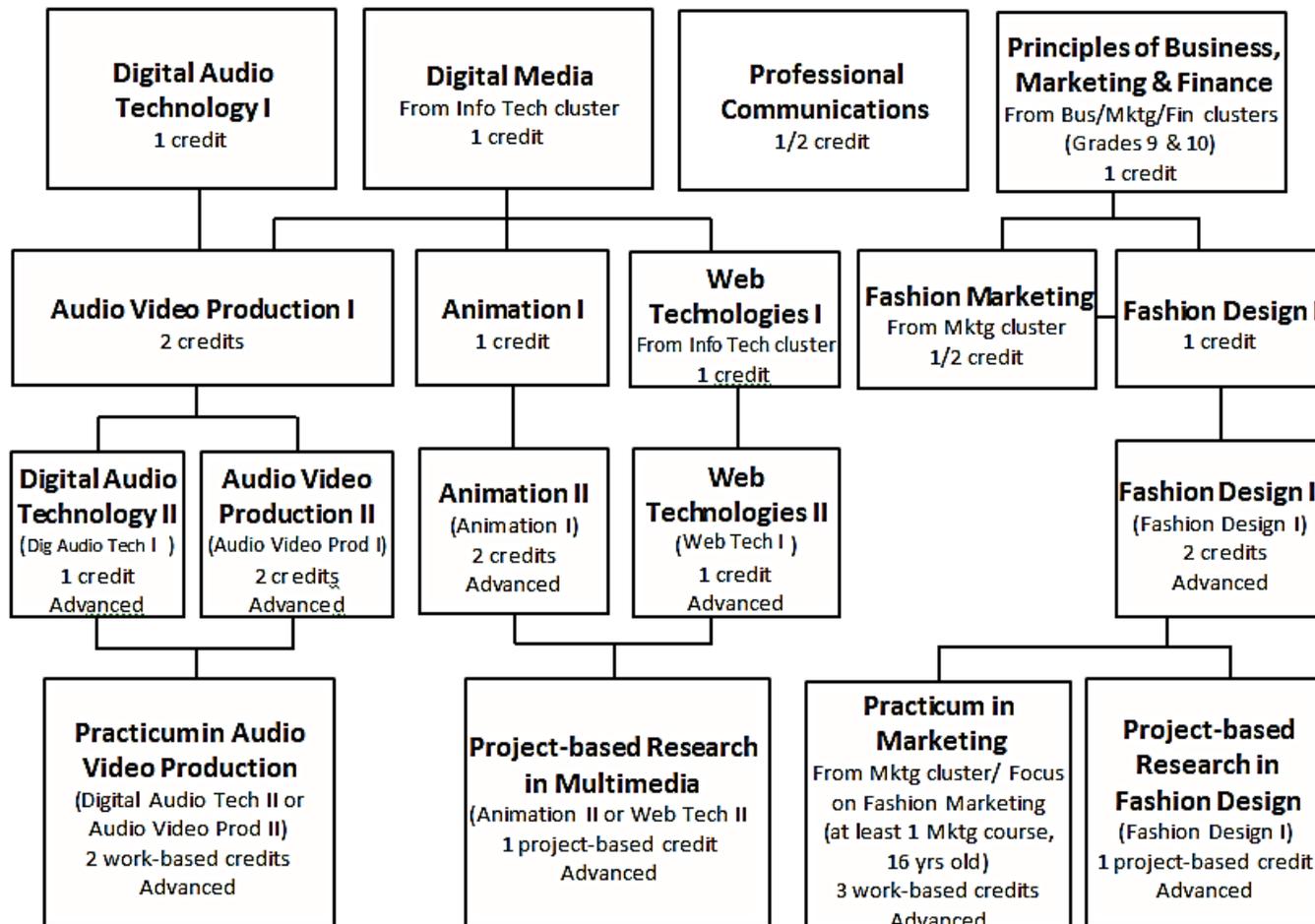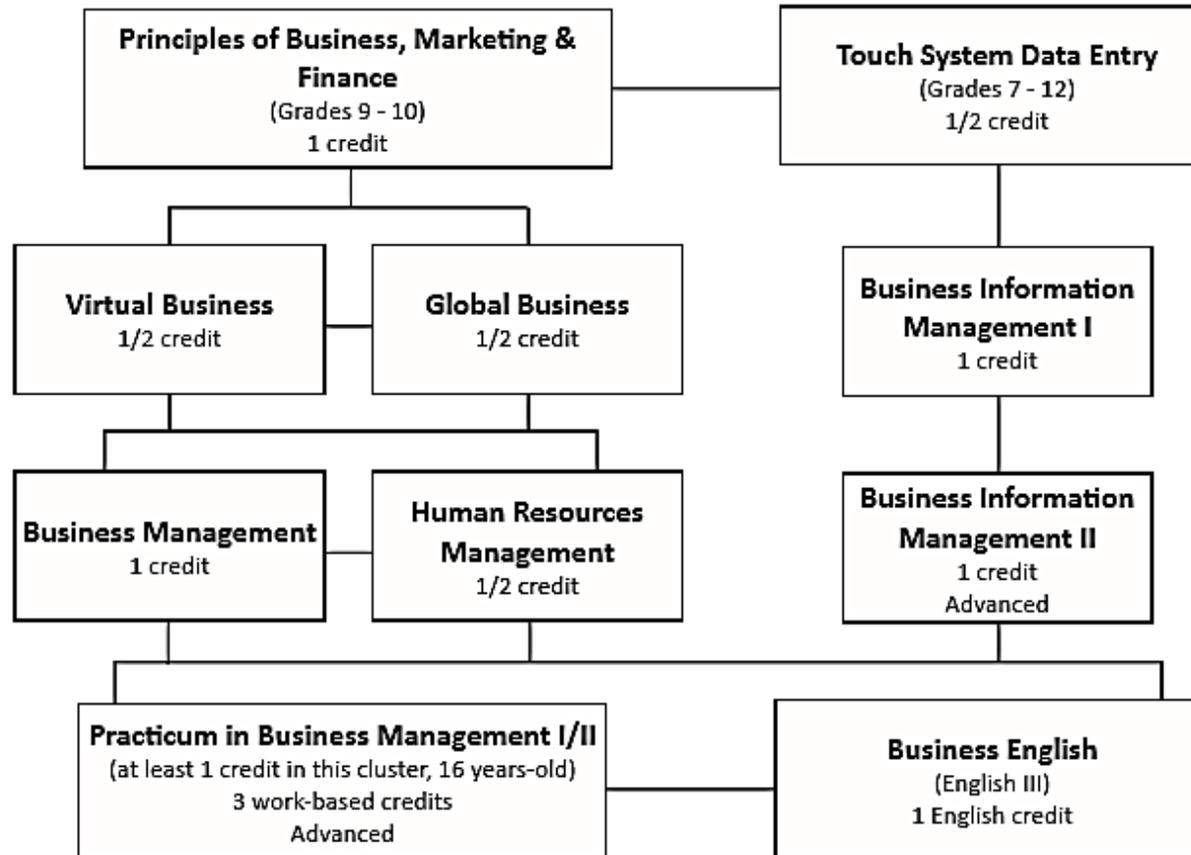
Veterinary Science

Broadcasting

ARTS, A/V TECHNOLOGY AND COMMUNICATIONS
Endorsement: Business & Industry

(required prerequisite)

Digital Audio Technology I
1 credit

Digital Media
From Info Tech cluster
1 credit

Professional Communications
1/2 credit

Principles of Business, Marketing & Finance
From Bus/Mktg/Fin clusters
(Grades 9 & 10)
1 credit

Audio Video Production I
2 credits

Animation I
1 credit

Web Technologies I
From Info Tech cluster
1 credit

Fashion Marketing
From Mktg cluster
1/2 credit

Fashion Design I
1 credit

Digital Audio Technology II
(Dig Audio Tech I)
1 credit
Advanced

Audio Video Production II
(Audio Video Prod I)
2 credits
Advanced

Animation II
(Animation I)
2 credits
Advanced

Web Technologies II
(Web Tech I)
1 credit
Advanced

Fashion Design II
(Fashion Design I)
2 credits
Advanced

Practicum in Audio Video Production
(Digital Audio Tech II or Audio Video Prod II)
2 work-based credits
Advanced

Project-based Research in Multimedia
(Animation II or Web Tech II)
1 project-based credit
Advanced

Practicum in Marketing
From Mktg cluster/ Focus on Fashion Marketing
(at least 1 Mktg course, 16 yrs old)
3 work-based credits
Advanced

Project-based Research in Fashion Design
(Fashion Design I)
1 project-based credit
Advanced

Business & Industry

Agriculture, Food & Natural Resources	Architecture & Construction	Arts, A/V Technology & Communication	**Business Management & Administration (Option 1)**
Agriculture Mechanics	Architecture	Animation	Administration Support
Animal Science	Construction Technology	Fashion Design	Management
Horticulture/Floral Design	Interior Design	Audio/Video Production	Human Resources
Natural Resources		Mass Communication	
Veterinary Science			

BUSINESS MANAGEMENT AND ADMINISTRATION
Endorsement: Business & Industry

(required prerequisite)

Principles of Business, Marketing & Finance
(Grades 9 - 10)
1 credit

Touch System Data Entry
(Grades 7 - 12)
1/2 credit

Virtual Business
1/2 credit

Global Business
1/2 credit

Business Information Management I
1 credit

Business Management
1 credit

Human Resources Management
1/2 credit

Business Information Management II
1 credit
Advanced

Practicum in Business Management I/II
(at least 1 credit in this cluster, 16 years-old)
3 work-based credits
Advanced

Business English
(English III)
1 English credit

Business & Industry

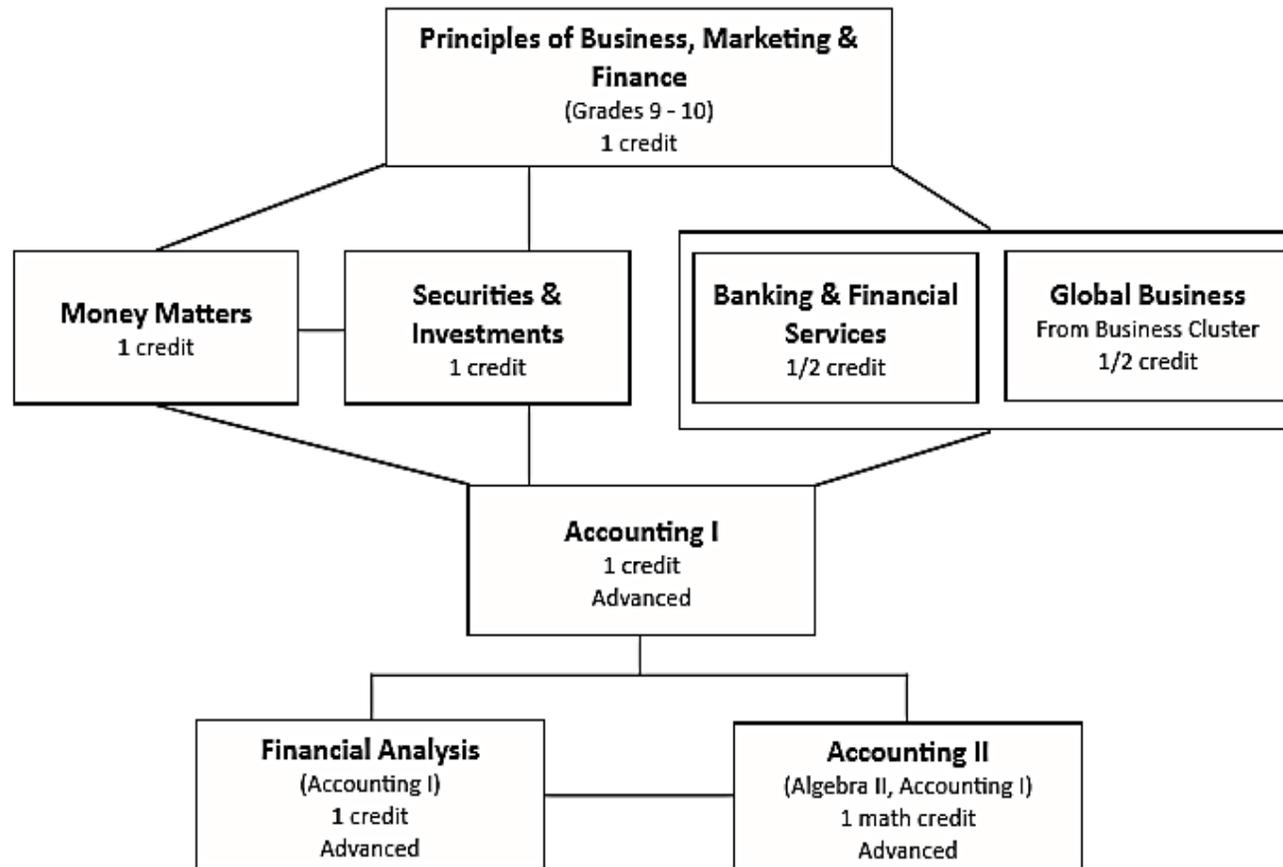| Finance (Option 1)	Hospitality & Tourism	Information Technology	Manufacturing
Accounting	Culinary Arts	Web & Digital Media	Precision Metals
Banking		Programming/Software Development	Welding
Investments		Internet Working	

FINANCE
Endorsement: Business and Industry

(required prerequisite)

Principles of Business, Marketing & Finance
(Grades 9 - 10)
1 credit

Money Matters
1 credit

Securities & Investments
1 credit

Banking & Financial Services
1/2 credit

Global Business
From Business Cluster
1/2 credit

Accounting I
1 credit
Advanced

Financial Analysis
(Accounting I)
1 credit
Advanced

Accounting II
(Algebra II, Accounting I)
1 math credit
Advanced

Business & Industry

Finance	Hospitality & Tourism (Option 1)	Information Technology	Manufacturing
Accounting	Culinary Arts	Web & Digital Media	Precision Metals
Banking		Programming/Software Development	Welding
Investments		Internet Working	

HOSPITALITY & TOURISM
Endorsement: Business & Industry

(required prerequisite)

Principles of Hospitality & Tourism
(Grades 8)
1 credit

Introduction to Culinary Arts
1 credit

Culinary Arts
2 credits
Advanced

Advanced Culinary Arts
(Culinary Arts)
2 restaurant/work-based credits at CFISD Culinary Academies
Advanced

Practicum in Culinary Arts
(Advanced Culinary Arts, Grade 12)
2 restaurant/work-based credits at CFISD Culinary Academies
Advanced

Business & Industry

Finance

Hospitality & Tourism

Accounting

Culinary Arts

Banking

Investments

Manufacturing

Precision Metals

Welding

Information Technology
(Option 1)

Web Tech & Digital Media

Animation

Internet Working

INFORMATION TECHNOLOGY
Endorsement: Business & Industry

(required prerequisite)

Principles of Information Technology
(Grades 8 only)
1 credit

Business Information Mgmt I
From Business Cluster
1 credit

Digital Media
1 credit

Telecommunications & Networking
1 credit

Animation I
From Arts, A/V Cluster
1 credit

Web Technologies I
1 credit

Internetworking Technologies I
1 credit
Advanced

Animation II
(Animation I)
2 credits
Advanced

Web Technologies II
(Web Technologies I)
1 credit
Advanced

Internetworking Technologies II
1 credit
Advanced

Project-based Research in Multimedia
(Animation II or Web Technologies II)
1 credit
Advanced

Business & Industry

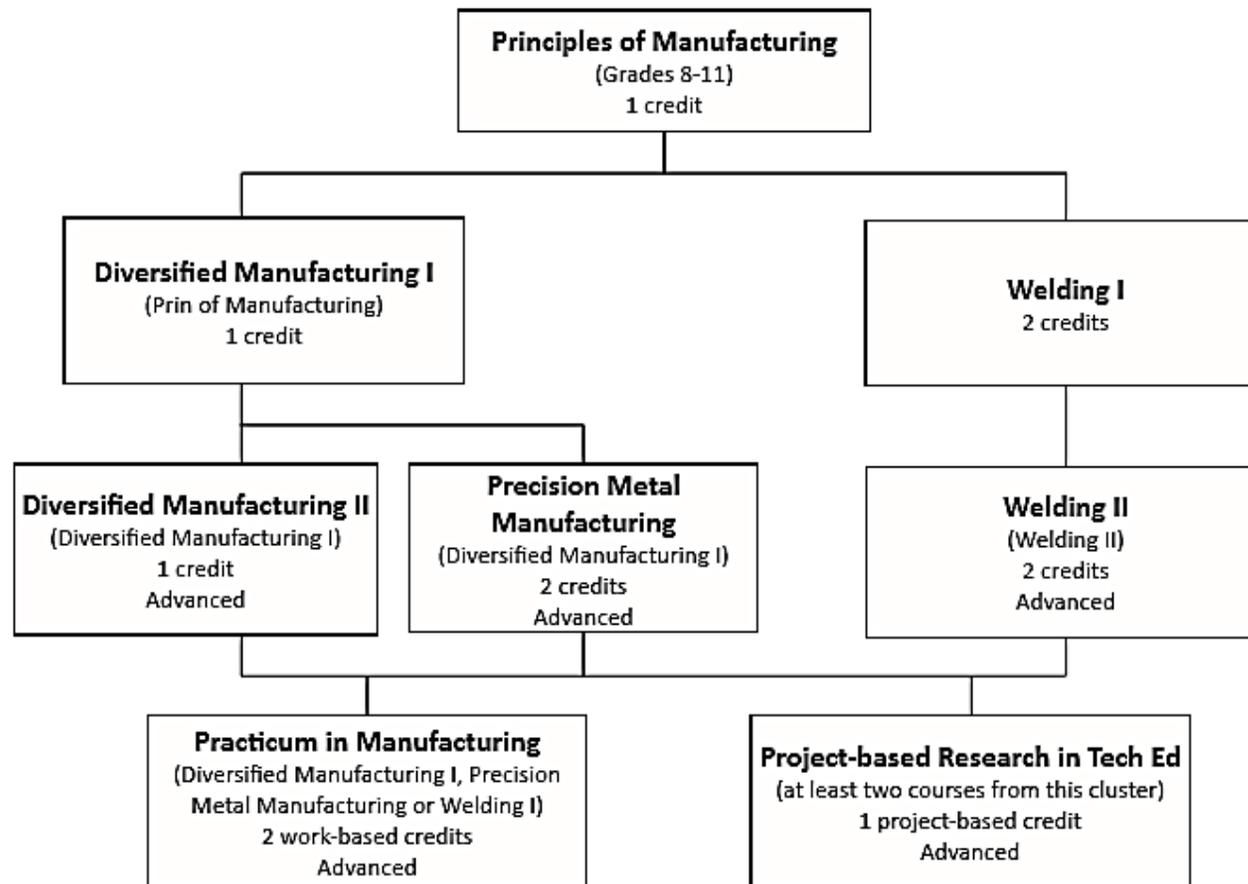| Finance	Hospitality & Tourism	Information Technology	**Manufacturing (Option 1)**
Accounting	Culinary Arts	Web & Digital Media	Precision Metals
Banking		Programming/Software Development	Welding
Investments		Internet Working	

MANUFACTURING
Endorsement: Business & Industry

(required prerequisite)

Principles of Manufacturing
(Grades 8-11)
1 credit

Diversified Manufacturing I
(Prin of Manufacturing)
1 credit

Welding I
2 credits

Diversified Manufacturing II
(Diversified Manufacturing I)
1 credit
Advanced

Precision Metal Manufacturing
(Diversified Manufacturing I)
2 credits
Advanced

Welding II
(Welding II)
2 credits
Advanced

Practicum in Manufacturing
(Diversified Manufacturing I, Precision Metal Manufacturing or Welding I)
2 work-based credits
Advanced

Project-based Research in Tech Ed
(at least two courses from this cluster)
1 project-based credit
Advanced

Business & Industry

Marketing (Option 1)

Sales

Marketing

Transportation, Distribution & Logistics

Automotive Technology

English (Option 2)

Newspaper or Sports Writer

Yearbook

Debate

Broadcast Journalism

Public Relations

MARKETING
Endorsement: Business & Industry

(required prerequisite)

Principles of Business, Marketing & Finance
(Grades 9-10 only)
1 credit

Fashion Marketing
1/2 credit

Fashion Design I
From Arts, A/V Tech
1 credit

Sports & Entertainment Marketing
1/2 credit

Entrepreneurship
1 credit

Social Media Marketing
1/2 credit

Practicum in Marketing Dynamics I
3 work-based credits
Advanced

Practicum in Marketing Dynamics II
(Practicum in Marketing Dynamics I)
3 work-based credits
Advanced
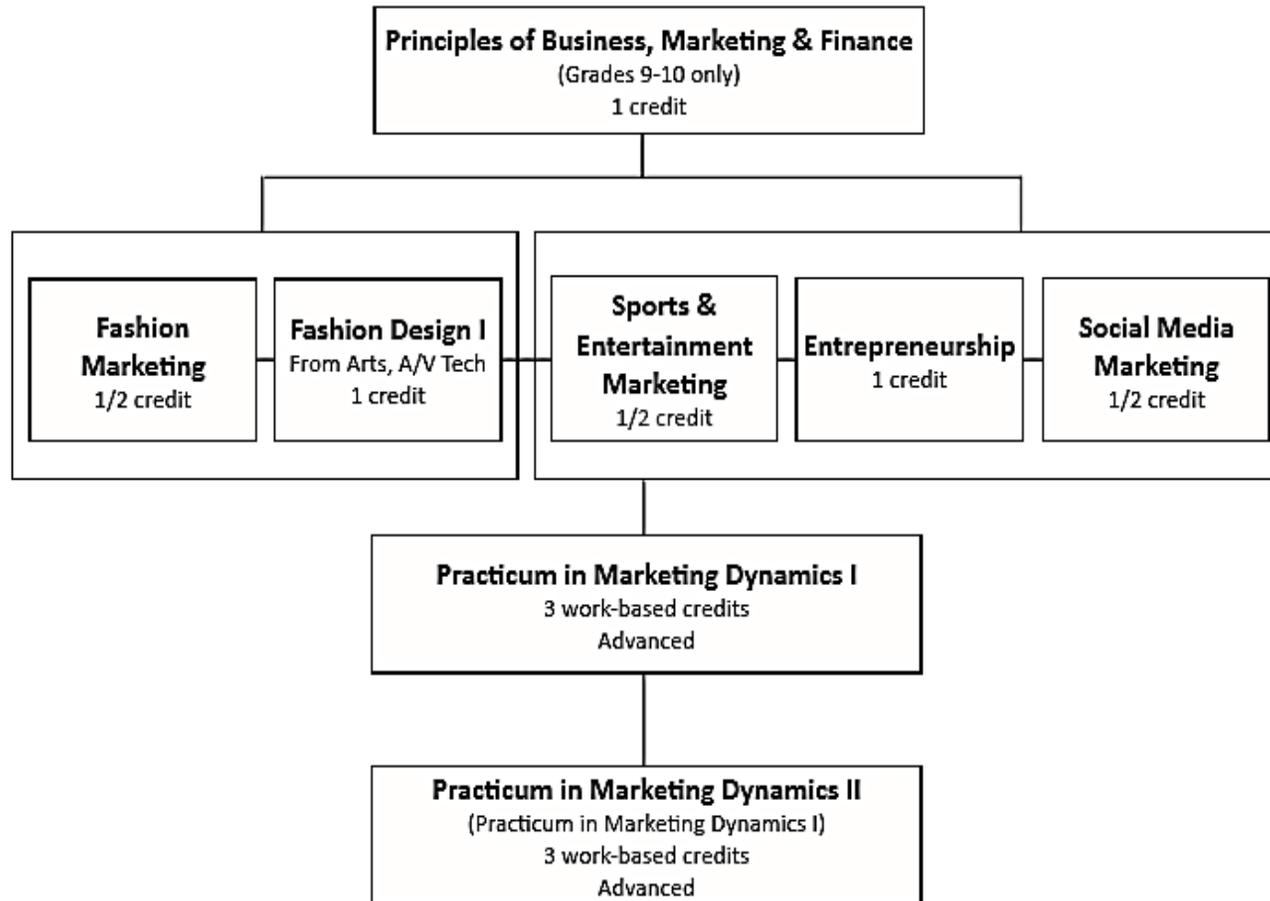
Business & Industry

Marketing	**Transportation, Distribution & Logistics (Option 1)**	English (Option 2)
Sales	Automotive Technology	Newspaper or Sports Writer
Marketing		Yearbook
		Debate
		Broadcast Journalism
		Public Relations

TRANSPORTATION, DISTRIBUTION & LOGISTICS
Endorsement: Business & Industry

(required prerequisite)

Automotive Basics
(Grades 9-10)
1 credit

Automotive Technology I
2 credits

Automotive Technology II
(Automotive Technology I)
2 credits
Advanced

Practicum in Transportation Systems
(Automotive Technology I, Grade 12)
3 work-based credits
Advanced

Business & Industry

Marketing

Transportation, Distribution & Logistics

Sales

Automotive Technology

Marketing

English
(Option 2)

Journalism (Newspaper or Yearbook)

Debate

Law

Government/Politics

Public Relations

Business & Industry

Marketing	Transportation, Distribution & Logistics	English (Option 2)	**Combination (Option 3)**
Sales	Automotive Technology	Newspaper or Sports Writer	<u>4</u> credits earned from Options 1 and/or Option 2
Marketing		Yearbook	
		Debate	Must include one (1) Advanced CTE course
		Broadcast Journalism	
		Public Relations	

Business and Industry Endorsement Options

Option 1 – CTE

4 credits with at least 2 courses in the same career cluster with at least 1 advanced CTE course

- Agriculture, Foods & Natural Resources
- Architecture & Construction
- Arts, A/V Technology & Communications
- Business Management & Administration
- Finance
- Hospitality & Tourism
- Information Technology
- Manufacturing
- Marketing
- Transportation, Distribution & Logistics

Option 2 – English

4 English elective credits including 3 courses in one of the following:

- Journalism (Newspaper/Yearbook)
- Debate

Option 3 – Combination

- 4 credits from Options 1 and Option 2
- Must include 1 Advanced CTE course

Business & Industry Endorsement – Option 1-CTE

How will you know if the group of courses you selected will satisfy the endorsement requirement? Use the following checklist:

A. Will you earn 4 or more CTE credits from courses that fall **within the same endorsement?**
B. Are at least 2 of those courses from the same cluster?
C. Is at least 1 of the courses listed as "advanced"?

Here is an example:

Student 1 - Student is interested in learning to be a chef, but also wants to own and run a food truck.	
Intro to Culinary Arts (1 credit)	A-yes, all 4 credits are from the Business & Industry endorsement (1 from Business Mgmt cluster and 3 from Hospitality & Tourism cluster)
Culinary Arts (2 credits-advanced)	B-yes, Intro to Culinary Arts and Culinary Arts are both from same cluster
Business Management (1 credit)	C-yes, Culinary Arts
Result: This combination of courses WILL SATISFY the CTE course credit requirement for an endorsement in Business & Industry.	

Explore

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