



Programs of Study 23-24

Step 1: Choose a "Career Pathway" to explore.

Step 2: Select a course at the appropriate level. (9th graders must begin at Level 1)

Step 3: Note the type of graduation endorsement(s) that could be earned by completing the pathway.

Business and Industry Endorsement Options						
<i>(Career Pathways designated with ^ will also earn a STEM Endorsement as long as the appropriate Math and Science requirements are met.)</i>						
Career Pathway	Junior High Jumpstart	Level 1	Level 2	Level 3	Level 4	
Accounting & Financial Services →	Business Information Management I (1)	Business Information Management I (1) OR Money Matters (1)	Accounting I (1)	Accounting II * (1)	Practicum-Accounting+ (2)	
Animal Science ^ →	Business Information Management I (1)	Principles of Agriculture, Food & Natural Resources (1)	Small Animal Management (.5) AND/OR Equine Science (.5)	Advanced Animal Science * (1) OR Livestock Production (1) OR Veterinary Medical Applications * (1)	Practicum-Agriculture + (2)	
Applied Agricultural Engineering ^ →	Business Information Management I (1)	Principles of Agriculture, Food & Natural Resources (1)	Ag Mechanics & Metal Technologies (1)	Ag Structures, Design, & Fabrication + (1)	Ag Equipment Design & Fabrication (1) OR Practicum-Ag Engineering + (2)	
Architectural Design ^ →	Introduction to Computer-Aided Drafting (1)	Principles of Architecture (1)	Architectural Design I * (1)	Architectural Design II* (2)	Practicum- Architectural Design * (2)	
Audio/Video Production →	Digital Media (1)	Principles of Arts, A/V Tech, & Communications (1)	Audio Video Production I + (1)	Audio Video Production II * (1)	Practicum-Audio Video Production * (2)	
Aviation ^ →	Principles of Applied Engineering (1)	Introduction to Aerospace and Aviation (1)	Introduction to Aircraft Technology (1)	Aviation Ground School (1) AND Scientific Research and Design (1)	Practicum-Aviation+ (2)	
Business Management →	Business Information Management I (1)	Business Information Management I (1) OR Principles of Business, Marketing, & Finance (1) OR <i>Business Information Management II* (1) if prereq. Is met</i>	Business Information Management II * (1) OR Business Management (1)	Business Law (1) OR Business Management (1)	Statistics & Business Decision Making * (1) OR Practicum-Business Management + (2) OR Career Preparation (2)	
Computer Science ^	TRACK 1 →	Business Information Management I (1)	TAP Computer Science I * (1)	AP Computer Science A + (2 credits- Math and LOTE, 1 period)	TAP Computer Science II * (1)	TAP Computer Science III * (1)
	TRACK 2 →	Business Information Management I (1)	Fundamentals of Computer Science (1)	TAP Computer Science I * (1)	AP Computer Science A + (2 credits- Math and LOTE, 1 period)	TAP Computer Science II * (1)
Construction Technology →	Introduction to Computer-Aided Drafting (1)	Principles of Architecture (1)	Construction Technology I (2)	Construction Technology II * (2)	Practicum-Construction Technology * (2)	
Culinary Arts →	Principles of Hospitality and Tourism (1)	Intro. to Culinary Arts (1)	Culinary Arts + (2)	Advanced Culinary Arts * (2)	Food Science * (1) OR Practicum-Culinary Arts * (2)	

* Required Prerequisite

+ Recommended Prerequisite

^ Eligible for Possible STEM Endorsement



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Business and Industry Endorsement Options, Continued...

Career Pathway		Junior High Jumpstart	Level 1	Level 2	Level 3	Level 4
Cybersecurity ^	➔	Business Information Management I (1)	Computer Science Essentials (1)	Foundations of Cybersecurity (1)	AP Computer Science Principles + (S1) AND AP Computer Science A + (Math and LOTE) (S2)	Practicum-Cybersecurity* (2)
Electrical Technology (Lone Star College-Creekside Center)	➔	Principles of Applied Engineering (1)				AC/DC Electronics (1) AND Electrical Technology I (2)
Engineering ^	➔	Principles of Applied Engineering (1)	Introduction to Engineering Design (1)	Engineering Science * (1)	Aerospace Engineering (1) OR Digital Electronics * (1)	Engineering Design & Development + (1)
Game and App Development ^	TRACK 1 ➔	Business Information Management I (1)	TAP Computer Science I * (1)	AP Computer Science A + (2 credits- Math and LOTE, 1 period)	TAP Game Programming and Design* (1)	TAP Mobile App Dev * (1)
	TRACK 2 ➔	Business Information Management I (1)	Fundamentals of Computer Science (1)	TAP Computer Science I * (1)	AP Computer Science A + (2 credits- Math and LOTE, 1 period)	TAP Game Programming and Design * (1)
Graphic Design	➔	Digital Media (1)	Principles of Arts, A/V Tech, & Communications (1)	Graphic Design I + (1)	Graphic Design II * (1)	Practicum-Graphic Design * (2)
Marketing	➔	Business Information Management I (1)	Principles of Business Marketing & Finance (1)	Sports & Entertainment Marketing I (.5) AND/OR Fashion Marketing (.5)	Social Media Marketing (.5) AND/OR Advertising (.5) AND/OR Marketing I (1)	Practicum-Marketing + (2)
Plant & Floral Science ^	➔	Business Information Management I (1)	Principles of Agriculture, Food & Natural Resources (1)	Greenhouse Operation and Production (1) OR Floral Design (1)	Horticulture Science (1) OR Advanced Floral Design * (1)	Advanced Plant & Soil Science + (1)
Robotics ^	➔	Principles of Applied Engineering (1)	Robotics I (1)	Robotics II * (1)	Scientific Research and Design * (1)	Practicum-Robotics + (2)
Welding	➔	Principles of Applied Engineering (1)	Introduction to Welding (1)	Welding I * (2)	Welding II * (2)	Practicum-Welding + (2)



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PUBLIC SERVICE Endorsement Options					
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Career Pathway	Junior High Jumpstart	Level 1	Level 2	Level 3	Level 4
Dentistry ^ →	Business Information Management I (1)	Principles of Health Science (1)	Medical Terminology + (1)	Health Science Theory * (1) OR Health Science Clinicals & Theory * (2)	Practicum-Dentistry * (2) AND/OR Anatomy & Physiology * (1)
Emergency Medicine ^ →	Business Information Management I (1)	Principles of Health Science (1)	Medical Terminology + (1)	Health Science Theory * (1) OR Health Science Clinicals & Theory * (2)	Practicum-Emergency Medicine * (2) AND/OR Anatomy & Physiology * (1)
Junior ROTC <small>*Note that, although Junior ROTC is not a CTE Program of Study, students can earn a Public Service Endorsement by completing the required sequence of courses</small> →	LOTC (1)	JROTC I (1)	JROTC II * (1)	JROTC III * (1)	JROTC IV * (1)
Law Enforcement →	Business Information Management I (1)	Principles of Law (1)	Law Enforcement I (1)	Law Enforcement II + (1) AND Criminal Investigation (1)	Practicum-Law Enforcement + (2)
Legal Studies →	Business Information Management I (1)	Principles of Law (1)	Court Systems and Practices (1)	Advanced Legal Skills and Professions + (1) AND Legal Research and Writing + (1)	Practicum-Legal Studies + (2)
Nursing ^ →	Business Information Management I (1)	Principles of Health Science (1)	Medical Terminology + (1)	Health Science Theory * (1) OR Health Science Clinicals & Theory * (2)	Practicum-Nursing * (2) AND/OR Anatomy & Physiology * (1)
Pharmacy ^ →	Business Information Management I (1)	Principles of Health Science (1)	Medical Terminology + (1)	Health Science Theory * (1) OR Health Science Clinicals & Theory * (2)	Practicum-Pharmacy * (2) AND/OR Anatomy & Physiology * (1)
Teaching & Training →	Principles of Human Services (1)	Principles of Education & Training (1)	Human Growth & Development (1)	Instructional Practices *(2)	Practicum-Teaching & Training * (2)