

Arlington ISD – Business & Industry Endorsement Pathways

A student may earn a Business & Industry endorsement by completing 26 credits, the requirements specified in subsection (e) [requirements in foundation plan plus a fourth credit in mathematics and a fourth credit in science], and

- A. A coherent sequence of courses for four or more credits in CTE that consists of at least two courses in the same career cluster, including at least one advanced CTE course, which includes any course that is the third or higher course in a sequence. The final course in the sequence must be from one of the CTE career clusters listed in Chapter 130. Courses may be taken in any order as long as prerequisites and grade level requirements are met.

(i) Agriculture (Subchapter A)

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Career Opportunities
Intro to Ag Science & Technology	Small animal Mgt. Equine Science Ag Mechanics	Animal Science Metal Fab	Wildlife Mgt.		Agriculture Product Sales, Livestock Sales, Research Assistant, Texas Cooperative Extension Agent, Animal Facilities Manager, Veterinarian, Veterinarian Assistant, Aquarium Manager

(ii) Architecture & Construction (Subchapter B)

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Career Opportunities
Concepts of Engineering, Technology & Science	Computer Applications in Industry	Wood Technologies	Advanced Wood Technologies		Carpenter, CAD Operator, Electrician, HVAC Technician, Plumber, Pipefitter, Solar Photovoltaic Installer (emerging occupation)

(iii) Arts, A/V & Communication (Subchapter C)

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Career Opportunities
Intro to Human Services	Fashion Design Exploration	Fashion Merchandising	Fashion Design, Production, & Mgt.		Merchandise Display Designer, Costume Designer, Illustrator, Pattern Designer, Magazine Editor
	Photography	Advertising & Graphic Design	Advanced Advertising & Graphic Design		Camera Operator, Graphic Designer, Multimedia Artist/Animator, Desktop Publisher
	Photography and/or Animation	Advanced Photography and/or Advertising & Graphic Design	A/V Production		Audio/Video Events Coordinator, Program Director, Broadcast News Analyst, Camera Operator, Technical Director, Film/Video Editor
	Photography and/or Animation	Advertising & Graphic Design	Advanced Advertising & Graphic Design		Graphic Designer, Advertising Layout Designer, Desktop Publisher, Art Director, Promotions or Marketing Manager, Industrial Designer, Multimedia Artist, Web Developer

Arlington ISD – Business & Industry Endorsement Pathways

(iv) Business Management & Administration (Subchapter D)

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Career Opportunities
Intro to Business & Marketing and Keyboarding or Honors Computer Information Applications	Computer Information Applications Business Law International Business	Business Web Technologies Virtual Business Accounting Mapping Your Future Business Internship Business Practicum	Business English Advanced Business Internship Advanced Business Practicum Richard Greene Scholar		Claims Assistant, Human Resource Specialist, Clerical or Records Supervisor, Facilities Manager, Customer Service Representative, Management Analyst, Office Manager, Public Administrator, Budget Analyst, Market Risk Manager, Energy Business Analyst, Personnel Recruiter, Company Executive, Data Specialist

(v) Finance (Subchapter F)

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Career Opportunities
Money & Me Keyboarding or Computer Information Applications	Computer Information Applications or Advanced Computer Information Applications Business Law	Accounting Banking and Finance International Business Virtual Business	Advanced Accounting		Accountant, Auditor, Bookkeeper, Auditing Clerk, Financial Manager, Billing Supervisor, Mortgage Lender, Credit Analyst, Cost Controller, Financial Analyst

(vi) Hospitality and Tourism (Subchapter I)

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Career Opportunities
Intro to Human Services	Nutrition & Food Management	Dual Credit – Culinary (Yr. 1): <ul style="list-style-type: none"> • Sanitation & Safety 	Dual Credit – Culinary (Yr. 2): <ul style="list-style-type: none"> • Purchasing • Basic Food Prep • Dining Room Service • Fundamentals of Baking 		Chef, Cook, Food Service Manager, Restaurant Manager

Arlington ISD – Business & Industry Endorsement Pathways

(vii) Information Technology (Subchapter K)

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Career Opportunities
Keyboarding	Computer Information Applications Computer Applications in Industry	Advanced Computer Applications in Industry	Dual Credit Certificate of Completion in CISCO		Computer & Information System Manager, Computer Network Architect (emerging occupation) Computer Programmer, Computer Security Specialist, Software Developer, Computer Support Specialist, Network & Data Communications Analyst
Keyboarding	Computer Information Applications Computer Applications in Industry	Dual Credit Certificate of Completion – Computer Maintenance (Yr. 1)	Dual Credit Certificate of Completion – Computer Maintenance (Yr. 2)		Computer Network Architect (emerging occupation) Computer Programmer, Computer Security Specialist, Computer Support Specialist, Network & Data Communications Analyst

(viii) Manufacturing (Subchapter M)

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Career Opportunities
Concepts of Engineering, Technology & Science	Computer Information Applications Computer Applications in Industry	Welding	Advanced Welding		Welder, Manufacturing Machinist Technician, CNC Technician, Robotics Technician, Precision Layout Worker
Concepts of Engineering, Technology & Science	Welding Computer Information Applications Computer Applications in Industry	Advanced Welding	Dual Credit Certificate of Completion - Welding		Welder, Manufacturing Machinist Technician, CNC Technician, Robotics Technician, Precision Layout Worker, Calibration Technician
Concepts of Engineering, Technology & Science	Welding or Wood Technologies or Ag Metal Fab or Ag Mechanics	Advanced Welding or Advanced Wood Technologies or Computer Applications in Industry	Practicum – Basic Water		Municipal Water Departments, Industrial Water Department (ex: Six Flags, stadiums, motor speedways, manufacturing industries)

Arlington ISD – Business & Industry Endorsement Pathways

(ix) Marketing (Subchapter N)

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Career Opportunities
Computer Information Applications	Advanced Computer Information Applications Business Law Accounting	Entrepreneurship Sports & Entertainment Marketing Fashion Merchandising Sports & Entertainment Marketing Internship Marketing Work Experience Banking & Finance Advanced Accounting	Advanced Sports & Entertainment Internship Advanced Marketing Work Experience		Sales Manager, Advertising Manager, Acquisition Integrator, Contract Negotiator, Safety Inspector, Purchasing Agent, Franchise Manager, Business Developer/Owner

(x) Transportation, Distribution, and Logistics (Subchapter P)

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Career Opportunities
Keyboarding	Computer Information Applications Welding Ag Mechanics Wood Technologies	Advanced Welding Advanced Wood Technologies	Dual Credit Certificate of Completion – Automotive Engine		Automotive Engine Repair Specialist, Auto Service Technician
Keyboarding	Computer Information Applications Welding Ag Mechanics Wood Technologies	Advanced Welding Advanced Wood Technologies	Dual Credit Certificate of Completion – Automotive Metal Repair		Automotive Body Repair Specialist, Auto Service Technician

Arlington ISD – Business & Industry Endorsement Pathways

(xi) Language Arts – four English elective credits by selecting courses from Chapter 110

Credit 1	Credit 2	Credit 3	Credit 4	Credit 5	Career Opportunities
LA1279 – Communication Applications (.5)	LA1287 – Public Speaking I (1)	LA1288 – Public Speaking II (1)	LA1289 – Public Speaking III (1)		Attorney, Politician, Judge, Public Official, News Analyst, News Anchor, Public Broadcaster, Writer, Communications Specialist, Public Relations Specialist, Company Trainer, Administrator, Sales Agent, Account Executive, Sales Representative, Operations Manager, Human Resources Manager, Customer Services Representative, Publicist, Business Executive, Advertising Executive
LA1279 – Communication Applications (.5)	LA1284 – Debate I (1)	LA1285 – Debate II (1)	LA1286 – Debate III (1)		Negotiator, Attorney, Politician, Judge, Public Official, News Analyst, News Anchor, Public Broadcaster, Writer, Communications Specialist, Public Relations Specialist, Company Trainer, Administrator, Sales Agent, Account Executive, Sales Representative, Operations Manager, Human Resources Manager, Customer Services Representative, Publicist, Business Executive, Advertising Executive