

APPENDIX B: Courses Approved for McKinney ISD/Collin College Dual Credit

Collin College Course descriptions are available in the current Collin College Catalog: collin.edu/academics/catalog.html
 (Some Course Rubrics and/or Numbers are subject to change throughout the year).

McKinney ISD Dual Credit Crosswalk 2023-2026						
PEIMS Code	HS Endorsement	HS Dual Credit Course Title	Possible HS Credit	Collin College Course Title	College Hours	
			0.5 = 1 sem 1.0 = 1 year			
Academic Courses						
Education						
03270100	Multi-Disciplinary Studies	Learning Framework	0.5	Learning Framework	EDUC 1300	3
English for Dual Credit						
03220300 or 03220400	Multi-Disciplinary Studies	Composition I	1	Composition I	ENGL 1301	3
		Composition II		Composition II	ENGL 1302	3
03220400		World Literature I	1	World Literature I	ENGL 2332	3
World Literature II		World Literature II		ENGL 2333	3	
Mathematics for Dual Credit						
03102500	Multi-Disciplinary Studies	College Algebra	0.5	College Algebra	MATH 1314	3
		Calculus for Business and Social Sciences	0.5	Calculus for Business and Social Sciences	MATH 1325	3
03102530		Elementary Statistical Methods	0.5	Elementary Statistical Methods	MATH 1342	3
Science for Dual Credit						
03060200	Multi-Disciplinary Studies	Earth and Space Science	0.5	Stars and Galaxies	PHYS 1403	4
			0.5	Earth Science for Non-Science Majors I	GEOL 1401	4

Social Studies for Dual Credit							
03340100	Multi-Disciplinary Studies	US History I	1	United States History I	HIST 1301	3	
				United States History II	HIST 1302	3	
03310300		Principles of Macroeconomics	0.5	Principles of Macroeconomics	ECON 2301	3	
			0.5	Principles of Microeconomics	ECON 2302	3	
03330100		American Government	0.5	Federal Government	GOVT 2305	3	
3380001		Texas Government	0.5	Texas Government	GOVT 2306	3	
Electives							
03500110		Multi-Disciplinary Studies	Art Appreciation	0.5	Art Appreciation	ARTS 1301	3
13009900	Business and Professional Communications		0.5	Business and Professional Communications	SPCH 1321	3	
13009900	Introduction to Speech		0.5	Introduction to Speech	SPCH 1311	3	
03980400	Advanced ASL		0.5	Beginning American Sign Language*	SGNL 1401	4	
			0.5	American Sign Language: Beginning II*	SGNL 1402	4	
			*Note	<i>placement in the Collin ASL sequence is based on exam. If the student places higher than 1401 & 1402, Collin will consider a more advanced course for the Advanced ASL high school credit.</i>			
Health Science Courses							
Patient Care Technician							
13020500	Public Services	Practicum in Health Science (Patient Care Technician)	2	Diagnostic Electrocardiography	DSAE 1340	3	
				Phlebotomy	PLAB 1323	3	
				Patient Care Tech/Assistant	NUPC 1320	3	
				Clinical – Patient Care Assistant/Aide	NUPC 1160	1	
Emergency Medical Technician (EMT)							
13020500	Public Services	Practicum in Health Science (EMT)	2	Basic Health Profession Skills II	HPRS 2310	3	
				Introduction to Emergency Medical Technician	EMSP 1371	3	
				Emergency Medical Technician	EMSP 1501	5	
				Clinical - Emergency Medical Technician	EMSP 1160	1	

Fire Science						
13020500	Public Services	Practicum in Health Science (Fire Science)	2	Fundamentals of Fire Protection	FIRT 1301	3
				Hazardous Materials	FIRT 1315	3
Health Science						
13020300	Public Services	Medical Terminology	1	Medical Terminology	HITT 1305	3
				Pathophysiology	HPRS 2301	3
13020410		Health Science (CNA)	2	Nurse Aide for Health Care	NURA 1301	3
				End of Life Issues	HPRS 1303	3
				Clinical – Nursing Aide and Patient Care Assistant	NURA 1160	1
Workforce Courses						
Real Estate for Dual Credit						
N1270153	Business and Industry	General Employability Skills	1	Prin. of Real Estate I	RELE 1301	3
13011700		Business Law	1	Prin. of Real Estate II	RELE 1338	3
N1301120		Fundamentals of Real Estate	2	Real Estate Finance	RELE 1319	3
				Law of Agency	RELE 2301	3
				Law of Contracts	RELE 1311	3
			Contract Forms and Addenda	RELE 1300	3	
Culinary Arts for Dual Credit						
13022600	Business and Industry	Culinary Arts	2	Basic Food Preparation	CHEF 1301	3
				Sanitation and Safety	CHEF 1305	3
				Fundamentals of Baking	PSTR 1301	3
				Nutrition and Menu Planning	INFW 1310	3
13022650		Advanced Culinary Arts	2	Breads and Rolls	PSTR 1305	3
				Pies, Tarts, Teacakes & Cookies	PSTR 1310	3
				Cake Decorating I	PSTR 1306	3
				Chocolates & Confections	PSTR 2301	3

IT Security						
13027300	STEM	IT Essentials	0.5	IT Essentials I: PC & Hardware	CPMT 1305	3
13027400		Network +	0.5	Network+	ITNW 1358	3
3580900		Independent Study Technology Applications	1	Linux Installation and Configuration	ITSY 1316	3
				OSINT and Introductory Security Analysis	ITSY 1371	3
13028000		Practicum in Information Technology	2	Cyber-Psychology and Effects of Emerging Technology	ITSY 1372	3
				Operating System Security	ITSY 2300	3
				Firewalls and Network Security	ITSY 2301	3
CCTC Programs						
Biomedical Equipment Technology for Dual Credit						
13020500	Business and Industry	Practicum in Health Science (Biomedical Equipment 1)	1 fall	Technical Algebra and Trigonometry	TECM 1343	3
				Fundamentals of Electronics	CETT 1307	3
				Digital Fundamentals	CETT 1425	4
				Medical Terminology	HITT 1305	3
13020500		Practicum in Health Science (Biomedical Equipment 1)	1 spring	DC-AC Circuits	CETT 1409	4
				General Medical Equipment I	BIOM 2311	3
				IT Essentials: PC Hardware and Software	CPMT 1305	3
13020510		Practicum in Health Science (Biomedical Equipment 2)	1 fall	Physiological Instruments I	BIOM 2315	3
				General Medical Equipment II	BIOL 2343	3
				Safety in Health Care Facilities	BIOM 2201	2
13020510		Practicum in Health Science (Biomedical Equipment 2)	1 spring	Biomedical Clinical Instrumentation	BIOM 2331	3
				Fundamentals of X-Ray and Medical Imaging Systems	BIOM 2319	3
	Respiratory Equipment Maintenance			BIOM 2337	3	

Electronic Engineering Technology for Dual Credit						
13037400	Business and Industry	Practicum in Health Science (Electronic Engineering 1)	1 fall	Technical Algebra and Trigonometry	TECM 1343	3
				Fundamentals of Electronics	CETT 1307	3
				Digital Fundamentals	CETT 1425	4
13037400		Practicum in Health Science (Electronic Engineering 1)	1 spring	DC-AC Circuits	CETT 1409	4
				Microprocessor	CETT 1445	4
				Robotic Fundamentals	RBTC 1405	4
13037410		Practicum in Health Science (Electronic Engineering 2)	1 fall	Instrumentation Test Equipment	INTC 1307	3
				Robot Application, Set-up, and Testing	RBTC 2345	3
				Emerging Topics in Engineering	CETT 2471	4
13037410	Practicum in Health Science (Electronic Engineering 2)		1 spring	Linear Integrated Circuits	CETT 1457	4
				Communications Circuits	EECT 2439	4
				Basic Fluid Power	ELMT 1305	3
Robotics and Automation Technology for Dual Credit						
13033000	Business and Industry	Practicum in Information Technology	1 fall	Technical Algebra and Trigonometry	TECM 1343	3
				Fundamentals of Electronics	CETT 1307	3
				Digital Fundamentals	CETT 1425	4
13033000		Practicum in Information Technology	1 spring	DC-AC Circuits	CETT 1409	4
				Basic Fluid Power	ELMT 1305	3
				Robotic Fundamentals	RBTC 1405	4
13033010		Practicum in Manufacturing (Industrial Automation 2)	1 fall	Programmable Logic Controllers	ELMT 1301	3
				AC/DC Motor Control	INTC 1357	3
				Robot Application, Set-up, and Testing	RBTC 2345	3
	Instrumentation Test Equipment			INTC 1307	3	
13033010	Practicum in Manufacturing (Industrial Automation 2)		1 spring	Distributed Control Systems	INTC 2359	3
				Advanced Programmable Logic Controllers	ELMT 2339	3
				Microprocessor	CETT 1445	4

Computer Networking Program for Dual Credit						
13027300	Business and Industry	IT Essentials: PC Hardware and Software	0.5 fall	IT Essentials I: PC Hardware and Software	CPMT 1305	3
13027400		Network+	0.5 fall	Network+	ITNW 1358	3
N1302803		CCNA I: Cisco	0.5 spring	CCNA 1: Introduction to Networks	ITCC 1314	3
N1302804		CCNA II: Cisco	0.5 spring	CCNA 2: Routing and Switching Essentials	ITCC 1344	3
13028000		Practicum in Information Technology	1 fall	CCNA 3: Enterprise Networking, Security, & Automation	ITCC 2320	3
				Fundamentals of Wireless LANs	ITNW 1351	3
13028000		Practicum in Information Technology	1 spring	Shell Programming-Scripting	ITSC 1342	3
				Configuring and Supporting Microsoft Windows	ITMT 1372	3
Computer Aided Drafting and Design for Dual Credit						
13004800	Business and Industry	Practicum in Architectural Design (CADD 1)	1 fall	Basic Computer-Aided Drafting - Commercial	DFTG 1309	3
				Intro to Technical Animation & Rendering	DFTG 1302	3
13004800		Practicum in Architectural Design (CADD 1)	1 spring	Architectural Blueprint Reading	DFTG 1315	3
				Solidworks Essentials	DFTG 1372	3
				Architectural Drafting - Commercial	DFTG 2328	3
				Intermediate Computer Aided Drafting	DFTG 2319	3
13004810		Practicum in Architectural Design (CADD 2)	1 fall	Mechanical Drafting	DFTG 1333	3
				Architectural Drafting - Residential	DFTG 1317	3
	Advanced Solidworks			DFTG 2373	3	
	MEP Systems			ARCE 2352	3	
13004810	Practicum in Architectural Design (CADD 2)	1 spring	Geometric Dimensioning and Tolerancing	DFTG 2350	3	
			Civil Drafting	DFTG 1330	3	
			Advanced Computer-Aided Drafting	DFTG 2332	3	

Construction Management for Dual Credit						
13004900	Business and Industry	Construction Management 1	1 fall	Materials & Methods I	CNBT 1311	3
				Construction Management I	CNBT 2342	3
				OSHA Regulations	OSHT 1305	3
13004900		Construction Management 1	1 spring	Communications in Management	BMGT 1305	3
				Residential and Light Blueprint Reading	CNBT 1300	3
				Construction Methods & Materials II	CNBT 2304	3
13005000		Construction Management 2	1 fall	Construction Estimating	CNBT 1346	3
				Project Scheduling	CNBT 1359	3
				Commercial/Industrial Blueprint Reading	CNBT 2310	3
	Building Codes & Inspections			CNBT 1342	3	
13005000	Construction Management 2	1 spring	Field Engineering	CNBT 1315	3	
			Mech, Elec & Plumbing Systems	CNBT 2340	3	
			Construction Management II	CNBT 2344	3	
HVAC Certificate for Dual Credit						
13005600	Business and Industry	Electrical Technology	1 fall	Basic Electricity for HVAC	HART 1401	3
				Refrigeration Principles	HART 1407	3
				Residential Air Conditioning	HART 1441	4
				Gas and Electric Heating	HART 1445	4
13005800		HVAC 1	1 spring	Advanced Electricity for HVAC	HART 2431	4
				Air Conditioning Installation and Startup	HART 2438	4
				Residential Air Conditioning	HART 2345	3
				Heat Pumps	HART 2349	3
13005900		HVAC 2	1 fall	Commercial Air Conditioning	HART 2341	3
				Commercial Refrigeration	HART 2342	3
				Advanced A/C Controls	HART 2334	3
				Industrial Air Conditioning	HART 2343	3
13005900	HVAC 2	1 spring	Test Adjust Balancing HVAC Sys	HART 2358	3	

Welding Technology for Dual Credit						
13032300	Business and Industry	Welding 1	1 fall	Intro to Multiple Process	WLDG 1407	4
				Intro to SMAW	WLDG 1428	4
				Intro to GMAW	WLDG 1430	4
				Intro to GTAW	WLDG 1434	4
13032300		Welding 1	1 spring	Intro to Blueprint Reading	WLDG 1313	3
				Advanced GMAW	WLDG 2447	4
				Intro to Layout & Fabrication	WLDG 1317	3
				Advanced GTAW	WLDG 2451	4
13032400	Welding 2	1 fall	Advanced Layout & Fabrication	WLDG 2435	4	
			Advanced SMAW	WLDG 2443	4	
			Introduction to Pipe Welding	WLDG 1435	4	
13032400	Welding 2	1 spring	Adv. Welding in Aerospace App	WLDG 2371	3	
Automotive Technology for Dual Credit						
13039600	Business and Industry	Automotive Technology I	1 fall	Introduction to Automotive Technology	AUMT 1305	3
				Electrical Systems	AUMT 1307	3
				Suspension and Steering	AUMT 1316	3
				Automotive Brake Systems	AUMT 1310	3
13039600		Automotive Technology I	1 spring	Engine Repair	AUMT 1319	3
				Automotive Electrical Diagnosis and Repair	AUMT 2321	3
				Automotive Climate Control Systems	AUMT 1345	3
13039710		Automotive Technology II	1 fall	Automotive drive Train and Axles	AUMT 2313	3
				Automotive Engine Performance Analysis I	AUMT 2317	3
				Automotive Automatic Transmission & Transaxle	AUMT 2325	3
13039710		Automotive Technology II	1 spring	Automotive Electronics	AUMT 2337	3
				Automotive Engine Performance Analysis II (Capstone)	AUMT 2334	3
	Automotive Hybrid and/or Battery Electric Vehicle (BEV) Systems Diagnostics			AUMT 2307	3	

Collision Repair for Dual Credit								
13039800	Business and Industry	Collision Repair	1 fall	Vehicle Trim and Hardware	ABDR 1315	3		
				Non-Structural Metal Repair	ABDR 1455	4		
				Basic Refinishing	ABDR 1331	3		
				Automotive Plastic and Sheet Molded Compound Repair	ABDR 1349	3		
13039800		Business and Industry	Collision Repair	1 spring	Current Trends in Collision Technology	ABDR 1291	2	
					Intermediate Refinishing	ABDR 1458	4	
					Auto Body Mechanical and Electrical Service	ABDR 2402	4	
13039900			Business and Industry	Paint and Refinishing	1 fall	Collision Repair Estimating	ABDR 2255	2
						Collision Repair Welding	ABDR 1307	3
						Advanced Collision Repair Welding	ABDR 2347	3
						Cooperative Education	ABDR 2280	2
13039900				Business and Industry	Paint and Refinishing	1 spring	Structural Analysis and Damage Repair V	ABDR 2437
	Major Collision Repair and Panel Replacement						ABDR 2441	4
	Advanced Refinishing						ABDR 2449	4