

APPENDIX B: Courses Approved for Plano 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).

Plano ISD 2023-2024 DUAL CREDIT CROSSWALK						
PEIMS Code	HS Endorsement	HS Dual Credit Course Title	Possible HS Credit 0.5 = 1 sem 1.0 = 1 year	Collin College Course Title		College Hours
Academic Courses						
Academic Preparatory for Dual Credit						
N1290050	Multi-Disciplinary Studies	Dual Credit College Transition	0.5	Learning Framework	EDUC 1300	3
Electives for Dual Credit						
03250400	Arts and Humanities	Dual Credit Theatre Arts IV	1	Introduction to Theater	DRAM 1310	3
English for Dual Credit						
03220300	Multi-Disciplinary Studies	Dual Credit English III or English IV	0.5-1.0	Composition I	ENGL 1301	3
				Composition II	ENGL 1302	3
03220400	Multi-Disciplinary Studies	Dual Credit English IV	0.5-1.0	World Literature I	ENGL 2332	3
				World Literature II	ENGL 2333	3
Fine Arts for Dual Credit						
03500100	Arts and Humanities	Dual Credit Art I	0.5	Art Appreciation	ARTS 1301	3
03500110		Local Credit Art I	0.5	Art History I	ARTS 1303	3
Mathematics for Dual Credit						
03101100	Multi-Disciplinary Studies	Pre-Cal Dual Credit	0.5	College Algebra (Fall)	MATH 1314	3
			0.5	Pre-Calculus (Spring)	MATH 2412	4
03102530		Statistics Dual Credit	0.5	College Algebra (Fall)	MATH 1314	3
			0.5	Elementary Statistical Methods (Spring)	MATH 1342	3

N110018		Multivariable Calculus	0.5	Differential Equations (Fall)	MATH 2320	3
			0.5	Calculus III (Spring)	MATH 2415	4
Science for Dual Credit						
13037200	Multi-Disciplinary Studies	Dual Credit Scientific Research and Design A	1	Biology for Science Majors I	BIOL 1406	4
		Dual Credit Scientific Research and Design B	1	Biology for Science Majors II	BIOL 1407	4
Social Studies for Dual Credit						
03340107	Multi-Disciplinary Studies	Dual Credit United States History Studies To 1877	0.5	United States History I	HIST 1301	3
		Dual Credit United States History Studies Since 1877	0.5	United States History II	HIST 1302	3
03310300		Dual Credit Economics	0.5	Principles of Macroeconomics	ECON 2301	3
03330100		Dual Credit United States Government	0.5	Federal Government	GOVT 2305	3
03350100		Dual Credit Psychology Special Topics	0.5	General Psychology	PSYC 2301	3
Speech for Dual Credit						
03241400	Business and Industry	Dual Credit Communication Applications	0.5	Introduction to Speech Communication	SPCH 1311	3
Health Sciences						
Electrocardiography*						
13020510	Public Service	Practicum in Health Science II	1	Cardiovascular Concepts	DSAE 2303	3
				Diagnostic Electrocardiography	DSAE 1340	3
				Electrocardiography	ECRD 1211	2
				Clinical - Health Services/Allied Health/Health Sciences, General	HPRS 1160	1
				Basic Health Profession Skills II	HPRS 2310	3
				Introduction to Public Health	HITT 2328	3
Health Science Academy 10th						
13020300	Public Service	Medical Terminology*	1	Medical Terminology	HITT 1305	3
				Healthcare Communication	HPRS 2232	2
				Pathophysiology	HPRS 2301	3

Allied 11th						
13020500	Public Service	Practicum in Health Science I	1	End of Life Issues	HPRS 1303	3
				Administrative Procedures	MDCA 1321	3
				Introduction to Pharmacology	HPRS 1310	3
				Medical Law and Ethics for Health Professionals	HPRS 2321	3
Certified Nursing Assisant 11th						
13020500	Public Service	Health Science Clinical*	1	Nurse Aide for Health Care	NURA 1301	3
				Clinical – Nursing Aide and Patient Care Assistant	NURA 1160	1
				End of Life Issues	HPRS 1303	3
				Administrative Procedures	MDCA 1321	3
				Medical Law and Ethics for Health Professionals	HPRS 2321	3
Certified Nursing Assistant 12th						
13020950	Public Service	Pharmacology	1	Introduction to Public Health	HITT 2328	3
				Basic Health Professions Skills II	HPRS 2310	3
				Introduction to Pharmacology	HPRS 1310	3
Medical Assisting 11th						
13020500	Public Service	Practicum in Health Science*	1	A&P for Medical Assistants	MDCA 1309	3
				Procedures in a Clinical Setting	MDCA 1417	4
				Administrative Procedures	MDCA 1321	3
				Pharmacology and the Administration of Medications	MDCA 1448	4
Medical Assisting 12th						
13020510	Public Service	Practicum in Health Science II	1	Medical Assistant Laboratory Procedures Applications	MDCA 1452	4
				Medical Law and Ethics for Health Professionals	HPRS 2321	3
				Introduction to Public Health	HITT 2328	3
				End of Life Issues	HPRS 1303	3
				Clinical - Medical/Clinical Assistant	MDCA 1360	3
				Medical Assisting Credentialing Exam Review	MDCA 1154	1

Rehabilitation Aide 12th						
13020510	Public Service	Practicum in Health Science II	1	The Profession of Physical Therapy	PTHA 1201	2
				Introduction to Physical Therapy	PTHA 1409	4
				Clinical – Physical Therapist Assistant	PTHA 1160	1
				Basic Health Professions Skills II	HPRS 2310	3
Patient Care Technician 11th						
13020500	Public Service	Practicum in Health Science I	1	Nurse Aide for Health Care	NURA 1301	3
				Clinical – Nursing Aide and Patient Care Assistant	NURA 1160	1
				End of Life Issues	HPRS 1303	3
				Cardiovascular Concepts	DSAE 2303	3
				Electrocardiography	ECRD 1211	2
Patient Care Technician 12th						
13020510	Public Service	Practicum in Health Science II	1	Diagnostic Electrocardiography	DSAE 1340	3
				Phlebotomy	PLAB 1323	3
				Patient Care Technician/Assistant	NUPC 1320	3
				Clinical – Nursing Assistant/Aide and Patient Care Assistant/Aide	NUPC 1160	1
				Basic Health Professions Skills II	HPRS 2310	3
Emergency Medical Technician*						
13020510	Public Service	Practicum in Health Science II	1	Basic Health Profession Skills II	HPRS 2310	3
				Wellness and Health Promotion	HPRS 1102	1
				Introduction to Emergency Medical Technician	EMSP 1371	3
				Emergency Medical Technician	EMSP 1501	5
Workforce						
Biomedical Equipment Technology for Dual Credit (New Students as of 2023-24)						
13037600	Business and Industry	Digital Electronics	1	Fundamentals of Electronics	CETT 1307	3
				IT Essentials I: PC Hardware and Software	CPMT 1305	3
13036200		Principles of Applied Engineering	1	Technical Algebra and Trigonometry	TECM 1343	3
13036800		AC/DC Electronics	1	DC AC Circuits	CETT 1409	4
13037200		Honors Scientific Research and Design	1	General Medical Equipment I	BIOM 2311	3
	Digital Fundamentals			CETT 1425	4	

13036900		Solid State Electronics	1	Physiological Instruments I	BIOM 2315	3
				General Medical Equipment II	BIOM 2343	3
				Fundamentals of X-Ray and Medical Imaging	BIOM 2319	3
13037405		Practicum in STEM	3	Safety in Healthcare Facilities	BIOM 2201	2
				Biomedical Clinical Instrumentation	BIOM 2331	3
				Respiratory Equipment Maintenance	BIOM 2337	3
				Medical Terminology I	HITT 1305	3
Biomedical Equipment Technology for Dual Credit (Continuing Students for 2023-24 School Year)						
13037200	Business and Industry	Honors Scientific Research and Design	1	Digital Fundamentals	CETT 1425	4
				General Medical Equipment I	BIOM 2311	3
13037405		Practicum in STEM	3	Medical Terminology I	HITT 1305	3
				Fundamentals of Electronics	CETT 1307	3
				Safety in Healthcare Facilities	BIOM 2201	2
Electronic Engineering Technology for Dual Credit						
13037600	Business and Industry	Digital Electronics	1	Fundamentals of Electronics	CETT 1307	3
				Microprocessor	CETT 1445	4
13036200		Principles of Applied Engineering	1	Technical Algebra and Trigonometry	TECM 1343	3
13036800		AC/DC Electronics	1	DC AC Circuits	CETT 1409	4
13037200		Honors Scientific Research and Design	1	Robotic Fundamentals	RBTC 1405	4
				Digital Fundamentals	CETT 1425	4
13036900		Solid State Electronics	1	Instrumentation Test Equipment	INTC 1307	3
				Robot Applications, Set-up, and Testing	RBTC 2345	3
				Communications Circuits	EECT 2439	4
13037405		Practicum in STEM	3	Linear Integrated Circuits	CETT 1457	4
				Emerging Topics in Engineering Technology	CETT 2471	4
	Basic Fluid Power			ELMT 1305	3	

Robotics and Automation Technology for Dual Credit						
13037600	Business and Industry	Digital Electronics	1	Fundamentals of Electronics	CETT 1307	3
				Basic Fluid Power	ELMT 1305	3
13036200		Principles of Applied Engineering	1	Technical Algebra and Trigonometry	TECM 1343	3
13036800		AC/DC Electronics	1	DC AC Circuits	CETT 1409	4
13037200		Honors Scientific Research and Design	1	Robotic Fundamentals	RBTC 1405	4
				Digital Fundamentals	CETT 1425	4
13036900		Solid State Electronics	1	Programmable Logic Controllers	ELMT 1301	3
				AC/DC Motor Control	INTC 1357	3
				Distributed Control Systems	INTC 2359	3
13037405		Practicum in STEM	3	Instrumentation Test Equipment	INTC 1307	3
	Advanced Programmable Logic Controllers			ELMT 2339	3	
	Microprocessor			CETT 1445	4	
Computer Networking Program for Dual Credit						
13027300	Business and Industry	Computer Maintenance	1	IT Essentials I: PC Hardware and Software	CPMT 1305	3
				CCNA I: Introduction to Networks	ITCC 1314	3
N1302803		Internetworking Technologies I	1	Network+	ITNW 1358	3
				CCNA 2: Routing and Switching Essentials	ITTC 1344	3
13027400		Networking (Lab Option)	1	CCNA 3: Enterprise Networking, Security, and Automation	ITCC 2320	3
				Shell Programming-Scripting	ITSC 1342	3
13028000		Practicum In Information Technology	2	Fundamentals of Wireless	ITNW 1351	3
				Configuring and Supporting Microsoft Windows	ITMT 1371	3

Computer Aided Drafting and Design for Dual Credit (New Students as of 2023-24)						
13004210	Business and Industry	Principles of Architecture	1	Basic Computer-Aided Drafting	DFTG 1309	3
				Architectural Blueprint Reading	DFTG 1315	3
13004600		Architectural Design I	2	Intro to Technical Animation and Rendering	DFTG 1302	3
				Solidworks Essentials	DFTG 1372	3
				Architectural Drafting - Commercial	DFTG 2328	3
13004700		Architectural Design II	2	Intermediate Drafting	DFTG 2319	3
				Mechanical Drafting	DFTG 1333	3
				MEP Systems	ARCE 2352	3
				Geometric Dimensioning and Tolerancing	DFTG 2350	3
13004800		Practicum in Architectural Design	2	Architectural Drafting - Residential	DFTG 1317	3
	Advanced Solidworks			DFTG 2373	3	
	Civil Drafting			DFTG 1330	3	
	Advanced Computer-Aided Drafting			DFTG 2332	3	
Computer Aided Drafting and Design for Dual Credit (Continuing Students for 2023-24 School Year)						
13004700	Business and Industry	Architectural Design II	2	Intro to Technical Animation and Rendering	DFTG 1302	3
				Solidworks Essentials	DFTG 1372	3
13004800		Practicum in Architectural Design	2	Mechanical Drafting	DFTG 1333	3
				Architectural Blueprint Reading	DFTG 1315	3
				Advanced Computer-Aided Drafting	DFTG 2332	3

Construction Management for Dual Credit						
13004220	Business and Industry	Principles of Construction	1	Materials and Methods	CNBT 1311	3
				Construction Management I	CNBT 2342	3
				Communications in Management	BMGT 1305	3
13004900		Construction Management I - double blocked	2	OSHA Regulations	OSHT 1305	3
				Res and Light Comm Constr Drawings	CNBT 1300	3
				Materials and Methods II	CNBT 2304	3
13005000		Construction Management II	2	Construction Estimating I	CNBT 1346	3
				Project Scheduling	CNBT 1359	3
				Construction Management II	CNBT 2344	3
13006200		Practicum in Construction Management	2	Field Engineering (Lecture and Lab are separate)	CNBT 1315	3
	Mech, Elec & Plumbing Systems			CNBT 2340	3	
	Commercial/Industrial Blueprint Reading			CNBT 2310	3	
	Building Codes and Inspections			CNBT 1342	3	
HVAC Certificate for Dual Credit						
13004220	Business and Industry	Principles of Construction	1	Basic Electricity for HVAC	HART 1401	4
				AC Installation and Startup	HART 2438	4
13005800		HVAC & Refrigeration Tech I	1	Residential Air Conditioning	HART 1441	4
				Residential AC Systems Design	HART 2345	3
				Advanced Electricity for HVAC	HART 2431	4
13005400		Building Maintenance 1 *New Course	2	Refrigeration Principles	HART 1407	4
				Gas and Electric Heating	HART 1445	4
				Heat Pumps	HART 2349	3
13005900		HVAC & Refrigeration Tech II	2	Commercial Air Conditioning	HART 2341	3
				Industrial Air Conditioning	HART 2343	3
13005255	Practicum in Construction Technology and Extended Practicum Construction Technology	3	Advanced A/C Controls	HART 2334	3	
			Commercial Refrigeration	HART 2342	3	
			Test Adjust Balancing HVAC Sys	HART 2358	3	

Welding Technology for Dual Credit (New Students as of 2023-24)						
13032200	Business and Industry	Principles of Manufacturing	1	Intro to Multiple Process	WLDG 1407	4
				Intro to Blueprint Reading for Welders	WLDG 1313	3
13032250		Introduction to Welding	1	Intro to Gas Metal Arc Welding	WLDG 1403	4
				Intro to Layout & Fabrication	WLDG 1317	3
13032300		Welding I - Double Blocked	2	Intro SMAW	WLDG 1428	4
				Intro to GTAW	WLDG 1434	4
				Advanced GMAW	WLDG 2447	4
				Advanced GTAW	WLDG 2451	4
13032400		Welding II - Double Blocked	2	Advanced Layout & Fabrication	WLDG 2435	4
				Advanced SMAW	WLDG 2443	4
13033000	Practicum in Manufacturing - Double Blocked	2	Introduction to Pipe Welding	WLDG 1435	4	
			Advanced Welding in Aerospace App	WLDG 2371	3	
Welding Technology for Dual Credit (Continuing Students for 2023-24 School Year)						
13032400	Business and Industry	Welding II - Double Blocked	2	Intro to Blueprint Reading for Welders	WLDG 1313	3
				Advanced GMAW	WLDG 2447	4
				Introduction to Pipe Welding	WLDG 1435	4
				Advanced SMAW	WLDG 2443	4
13033000		Practicum in Manufacturing - Double Blocked	2	Intro to Layout & Fabrication	WLDG 1317	3
				Advanced GTAW	WLDG 2451	4
				Adv. Welding in Aerospace App	WLDG 2371	3
				Advanced Layout & Fabrication	WLDG 2435	4