

T-STEM EARLY COLLEGE COMPUTER SCIENCE CROSSWALK

Grade Level	English 4 Credits	Math 4 credits	Science 4 Credits	Social Studies 3 Credits	LOTE 2 Credits	PE 1 Credit	Fine Arts 1 Credit	Elective	Computer Science	College Hours Total 69
9 th Grade	PAP English I 18E013	PAP GEOM 28E023				PE/Elective	MUSI 1306 (Dual)		Computer Science (LOTE)	3 Fall
		Honors ALG II 21E321	PAP Biology 38E013	PAP World Hist. 48E013 & SOVI 1301 (Dual)					AP Computer Science Principles (LOTE)	3 Spring
10 th Grade	PAP English II 11E113	Coll. Algebra MATH 1314 D210753		Sp. Topics in SS HIST 1301 D410113		PE/Elective		GOVT 2305 1 st 9 Wks. GOVT 2306 2 nd 9 Wks.	Computer Science II	12 Fall
	English III ENGL 1301 D110133	Honors Pre-Cal MATH 2412	PAP CHEM 33E021	US History HIST 1302 D410153					AP Computer Science A	10 Spring
11 th Grade	English IV ENGL 1302 D110143	AP Calculus MATH 2413		Economics 1 st 9 Wks. Path CC 2 nd 9 Wks.		PE/Elective			COSC 1436 Programming Fund. I	11 Fall
		Cal II MATH 2414 (Dual)	PHYS 2325 PHYS 2125					Health/Speech 81E023	COSC 1437 Programming Fund. II	12 Spring
12 th Grade	Ind. Studies in English ENGL 2327 (Dual)		PHYSICS 2326 PHYS LAB 2126			PE/Elective		Engineering Design & Presentation	COSC 2436 Programming Fund. III	11 Fall
		Discrete Math MATH 2305 (Dual)						Engineering Design & Presentation	COSC 2425 Computer Organization	7 Spring

T-STEM EARLY COLLEGE CYBER DEFENSE

Grade Level	English 4 Credits	Math 4 credits	Science 4 Credits	Social Studies 3 Credits	LOTE 2 Credits	PE 1 Credit	Fine Arts 1 Credit	Elective	Computer Science	College Hours Total 72
9 th Grade	PAP English I 18E013	PAP ALG I	PAP Biology 38E013			PE/Elective	MUSI 1306 (Dual)			3 Fall
				PAP World Hist. 48E013 & SOCI 1301 (Dual)				IMED 2349 internet Server Management and SPCH 1311	Computer Science (LOTE)	6 Spring
10 th Grade	PAP English II 11E113	PAP GEOM 28E023				PE/Elective		ITCC 1414 CCNA 1: Intro to Networks ITNW 1313 Computer Virtualization		7 Fall
		Honors ALG II 21E321	PAP CHEM 33E021	Sp. Topics in SS HIST 1301 D410113				ITSC 1316 Linux Installation & Configuration	AP Computer Science (LOTE)	6 Spring
11 th Grade		Coll. Algebra MATH 1314 D210753		US History HIST 1302 D410153		PE/Elective		IDTF 1400 Intro to Digital Forensics ITSE 1359 Intro to Scripting Languages	AP Computer Science Principles	13 Fall
	English III ENGL 1301 D110133		Honors Physics	GOVT 2305 1st 9 Wks. GOVT 2306 2nd 9 Wks.				ITSY 1442 Information Tech Security ITSY 2301 Firewalls & Network Security		16 Spring
12 th Grade	English IV ENGL 1302 D110143			Economics 1 st 9 Wks. Path CC 2 nd 9 Wks.		PE/Elective		ITSY 2417 Wireless Security Development ITSY 2445 Network Defense and Countermeasures		11 Fall
			AP Biology					ITSY 2330 Intrusion Detection ITSY 2341 Security Management Practices ITSY 2459 Security Assess & Auditing		10 Spring