School: Wilson High School

Pathway Name: School of Technology
Industry Sector: Information and Communication Technologies (ICT)

Pathway Vision: To master programming and software development skills to become innovative and competitive computer programmers.
Pathway Mission: To foster technologically-innovative, well-rounded problem-solvers and computer programmers through integrated projects, as well as industry collaboration and experiences.

2027-2028 Course of Study
Graduating Class of 2031

		HS Grad Req.	9th grade	10th grade	11th grade	12th grade	UC/ CSU A-G Req.
Technical Core	**Required Technical Core** *3-course thematic sequence: CTE, PLTW, or Technical*	3	**CISCO Networking 1-2 & Intro to Cybersecurity (6244)**	**CISCO Networking 3-4 & Intro to AI (6245)**		**CISCO Networking 5-6 Cybersecurity Essentials (6246)**	'g' 1
Academic Core	History/Social Science	3		Modern World History (2271) AP World History Modern (2318)	Ethnic Studies: Our American Histories (2263) AP US History (2236)	AP Gov 2234/Personal Finance (2371) Gov 2241/Personal Finance (2371)	'a' 2

	English	4	English 1-2 (1401) English 1-2 ACC (1403)	English 3-4 (1408) AP Seminar 10 (1453)	English 5-6 (1410) AP English Language (1458)	Diverse Voices & Media Literacy (1470) AP English Literature (1449)	'b' 4
	Math	3	Algebra 1 (2986) Geometry 1-2 ACC (2971)	Geometry 1-2 (2970) Algebra 2 Acc (2962)	Algebra 2 (2963) Functions/Statistics/Trigonometry (3069) Pre Calculus (3057) AP Pre Calculus (2999)	***Optional 4th year*** Algebra 2 (2963) AP Statistics (3157) AP Calculus AB (3158)	'c' 3
	Lab Science	2	Biology: The Living Earth (3865)	Chemistry in the Earth System (3876) Chemistry Honors (3832)			'd' 2
	Language Other Than English (LOTE)	1 or VAPA	ASL 1-2 French 1-2 Khmer 1-2 Spanish 1-2	ASL 3-4 French 3-4 Khmer 3-4 Spanish 3-4			'e' 2
	Visual and Performing Arts (VAPA)	1 or LOTE	Visual or Performing Art				'f' 1
	Optional Pathway-Aligned Elective Course				AP Computer Science A (1364M) (recommended)	AP Computer Science Principles (1371) (recommended)	'g' 1
	Physical Education	2	PE/Sport/Marching Band	PE/Sport/Marching Band			
Elective Courses	Additional courses that provide pathway enrichment	3	**27-28 Global Electives**	**27-28 Global Electives**	**27-28 Global Electives**	**27-28 Global Electives**	

Updated 8/26

Work-Based Learning	Required work-based learning opportunities		**Career Awareness** Career Night Guest Speakers: (Video Game Coder, NASA Clean Room Engineer Raytheon Coder) Nepris	**Career Exploration** Resume Workshops Career Night Guest Speakers: (Video Game Coder, NASA Clean Room Engineer Raytheon Coder)	**Career Preparation** Mock Interviews Guest Speakers: (Video Game Coder, NASA Clean Room Engineer, Raytheon Coder)	**Career Preparation/Training** Internships Cisco Cybersecurity Certificate Example: Long Beach Public Health	
Integrated Curriculum	Multidisciplinary Integrated Curriculum		Career Night Guest Speakers: (Video Game Coder, NASA Clean Room Engineer Raytheon Coder)	Resume Workshops Career Night Guest Speakers: (Video Game Coder, NASA Clean Room Engineer Raytheon Coder)	Mock Interviews Guest Speakers: (Video Game Coder, NASA Clean Room Engineer, Raytheon Coder)		