School: Wilson High School
Pathway Name: School of Technology
Industry Sector: Information and Communication Technologies

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.

2024-2025 Course of Study

		HS Grad Req.	9th grade	10th grade	11th grade	12th grade	UC/ CSU A-G Req.
Technical Core	**Required Technical Core** *3-4 year thematic sequence of courses: CTE, PLTW, or Technical*	3-4	**Computer Science Essentials (PLTW 1381)**	**Cybersecurity (PLTW 1382)**	AP Computer Science Principles (PLTW 1380M)	AP Computer Science A (PLTW 1378M)	
Academic Core	History/Social Science	3		Modern World History (2271) AP World History Modern (2318)	US History (2253) AP US History (2236)	AP Gov 2234/AP Macroeconomics (2366) Gov 2241/Econ (2311)	'a' 2
	English	4	English 1-2 (1401) English 1-2 ACC (1403)	English 3-4 (1408) English 3-4 ACC (1407)	English 5-6 (1410) AP English Language (1458)	CSU ERWC (1474) AP English Literature (1449)	'b' 4
	Math	4	Algebra 1 (2986) Geometry 1-2 ACC (2971)	Geometry 1-2 (2970) Algebra 2 Acc (2962)	Algebra 2 (2963) Intro to Data Science (1379) AP Pre Calculus (2999)	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	Spanish 1-2 OR French 1-2 OR ASL 1-2	Spanish 3-4 OR French 3-4 OR ASL 3-4			'e' 2
	Visual and Performing Arts (VAPA)	1 or LOTE	Requirement fulfilled through Technical Core				'f' 1
	Required Pathway Course						
	Electives	3-4	• Arts Foundations 1-2 • Intro to Theater Arts • Musical Theater 1-2/3-4/Performing Arts Studio** • Concert Choir 1-2** • Dance 1-2/3-4/ 5-6/7-8/9-10** • Band 1-2/3-4/ 5-6/7-8** • Jazz Band 1-2/3-4/ 5-6/7-8** • Marching Band • Symphonic Strings • Guitar 1-2 • Piano 1-2** • Orchestra 1-2/3-4/ 5-6/7-8** • Inter String Orchestra • Adv Chamber Orch**	• Art 3-4: Drawing and Painting • Art 3-4: 3D Art • Intermediate Theater Arts • Musical Theater 1-2/3-4/Performing Arts Studio** • Concert Choir 3-4** • Chamber Singers** • Dance 1-2/3-4/ 5-6/7-8/9-10** • Band 1-2/3-4/ 5-6/7-8** • Jazz Band 1-2/3-4/ 5-6/7-8** • Marching Band • Guitar 3-4 • Piano 3-4** • Orchestra 1-2/3-4/ 5-6/7-8** • Intermediate String Orchestra • Adv Chamber Orch**	• Arts 5-6: Drawing and Painting • Arts 5-6: 3D Arts • AP Art History • AP Music Theory • Adv Theater Arts** • Play Production 1-2** • Musical Theater 1-2/3-4/Performing Arts Studio** • Concert Choir 5-6** • Chamber Singers** • Dance 1-2/3-4/ 5-6/7-8/9-10** • Band 1-2/3-4/ 5-6/7-8** • Jazz Band 1-2/3-4/ 5-6/7-8** • Marching Band • Guitar 5-6 • Piano 5-6**	• AP Drawing • AP 2D Art & Design • AP 3D Art & Design • AP Art History • AP Music Theory • Adv Theater Arts** • Play Production 1-2** • Musical Theater 1-2/3-4/Performing Arts Studio** • Concert Choir 7-8** • Chamber Singers** • Dance 1-2/3-4/ • 5-6/7-8/9-10** • Band 1-2/3-4/ 5-6/7-8** • Jazz Band 1-2/3-4/ 5-6/7-8** • Marching Band • Guitar 7-8	'g' 1

			• Symphonic Winds 3-4/5-6/7-8**	• Symphonic Winds 3-4/5-6/7-8** • Stage Technology	• Orchestra 1-2/3-4/ 5-6/7-8** • Intermediate String Orchestra • Adv Chamber Orch** • Symphonic Winds 3-4/5-6/7-8** • Stage Technology • Advanced Stage Technology	• Orchestra 1-2/3-4/ 5-6/7-8** • Intermediate String Orchestra • Adv Chamber Orch** • Symphonic Winds 3-4/5-6/7-8** • Stage Technology • Advanced Stage Technology	
	Physical Education	2	PE/Sport/Marching Band	PE/Sport/Marching Band			
Additional Courses	Courses that provide pathway support or enrichment		• AVID, • *Student Council	• AVID, • *Student Council	• AVID • AP Seminar • Physics 1-2 • AP Human Geography • World Language 5-6 • Pathway Ambassadors • *Student Council • CSULB-Ethnics Studies • LBCC Dual Enrollment	• AVID • AP Research • AP Physics • AP Human Geography • World Language 7-8 • Pathway Ambassadors • *Student Council • CSULB-Ethnics Studies • LBCC Dual Enrollment	
Work-Based Learning	Required work-based learning opportunities		**Career Awareness** Career Night Guest Speakers: (Video Game Coder, NASA Clean Room Engineer Raytheon Coder) Nepris Field Trip to Blizzard	**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 Example: Long Beach Public Health	

Integrated Curriculum	Multidisciplinary Integrated Curriculum (Titles and courses involved)		Building Beasts Project & Million Dollar App	Cyberattacks and Daily Life (S2)	Blazing New Trails (S2)	Privy to Privacy (S2)	

*Does not meet A-G requirements