

Merkel P-TECH Curriculum Alignment

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Participating High School:		Program of Study		IHE Partners		Degree/Certification:
Merkel High School		Web Design and Development		TSTC, Cisco College		Web Design and Development AAS
Year/Grade Level	High School Course			Post-Secondary Course		
	PEIMS Course/Code #	High School Course Name	High School Credits	Texas Common Course Numbering System Number	College Course Name	College Credit Hours
Year 1/Grade 9	03220100	English I	1			
Year 1/Grade 9	03100500	Algebra I	1			
Year 1/Grade 9	03010207 or 03060201	Biology or IPC	1			
Year 1/Grade 9	03320100 or 03340400	World Geo or World History	1			
Year 1/Grade 9	03440100	Spanish I	1			
Year 1/Grade 9	03XXXXXX	Fine Arts	1			
Year 1/Grade 9	PES000XX	PE/Athletics	1			
Year 1/Grade 9	13027200	Principles of Information Technology	1			
		Total Year 1 High School Credits	8		Total Year 1 College Credit Hours	0
Year 2/Grade 10	03220200	English II	1			
Year 2/Grade 10	03100700	Geometry	1			
Year 2/Grade 10	03010200 or 03040000	Biology or Chemistry	1			
Year 2/Grade 10	03440200	Spanish II	1			
Year 2/Grade 10	XXXXXXXX	Elective	1			
Year 2/Grade 10	XXXXXXXX	Elective	0.5	ACGM XXXX	Gen Ed Elective	3
Year 2/Grade 10	03350100	Psychology	0.5	PSYC 2301	General Psychology	3
Year 1/Grade 9	N1302809	Foundations of User Experience	1	IMED 1371	UI/UX Design	3
				ITSE 1311	Beginning Web Programming	3
Year 2/Grade 10	35808200	Web Design	1	IMED 1316	Web Design	3
				ITSE 2313	Web Authoring	3
		Total Year 2 High School Credits	8		Total Year 2 College Credit Hours	18
Year 3/Grade 11	03100600	Algebra II	1			
Year 3/Grade 11	03040000 or 03050000	Chemistry or Physics	1			
Year 3/Grade 11	03340400	World History or Elective	1			
Year 3/Grade 11	XXXXXXXX	Elective	1			
Year 3/Grade 11	03220300	English III	1	ENGL 1301	Composition I	3
				ENGL 1302	Composition II	3
Year 3/Grade 11	03340100	US History	1	HIST 1301	US History I	3
				HIST 1302	US History II	3
Year 3/Grade 11 Semester 1	N1302814	Advanced User Experience Design	1	IMED 2315	Web Design II	3
				ITSE 2302	Intermediate Web Programming	3
Year 3/Grade 11 Semester 2	12701500	Project Based Research	1	ITSE 1303	Introduction to MySQL	3
				ITSE 1306	PHP Programming	3
		Total Year 3 High School Credits	8		Total Year 3 College Credit Hours	24
Year 4/Grade 12	03101100 or 03102XXX	Precalculus or Advanced Math	1			
Year 4/Grade 12	XXXXXXXX	Advanced Science	1			
Year 4/Grade 12	03330100	Government	1			
Year 4/Grade 12	03330300	Economics	1			
Year 4/Grade 12	03220400	English IV	1	ENGL 2326	American Literature	3
				ENGL 2311	Technical & Business Writing	3
Year 4/Grade 12 Semester 1	03581500	Independent Study in Evolving/ Emerging Technology	1	IMED 2349	Internet Server Management	3
Year 4/Grade 12 Semester 1				IMED 2309	Internet Commerce	3
Year 4/Grade 12 Semester 1	03580900	Independent Study in Technology Applications	1	IMED 2345	Interactive Digital Media II	3
Year 4/Grade 12 Semester 2	13028015	Practicum in Information Technology	3	IMED 2313	Project Analysis and Design	3
				IMED 2311	Portfolio Development	3
				IMED 2351	Digital Media Programming	3
Year 4/Grade 12 Semester 2	127001300	Career Preparation I	2	IMED 2388	Internship Digital Communication and Media/Multimedia	3
		Total Year 4 High School Credits	12		Total Year 4 College Credit Hours	27
		Total High School Credits	36		Total College Credit Hours	69
	TSTC Courses			Cisco Courses		