

**Merkel P-TECH Curriculum Alignment**

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Participating High School:		Program of Study		IHE Partner		Degree/Certification:
Merkel High School		Web Design and Development		Texas State Technical College		Level 2 Certificate: Web Developer
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			
		<b>Total Year 1 High School Credits</b>	<b>8</b>		<b>Total Year 1 College Credit Hours</b>	<b>0</b>
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	03340400	World History or Elective	1			
Year 2/Grade 10	03440200	Spanish II	1			
Year 2/Grade 10	03XXXXXX	Fine Arts	1			
Year 2/Grade 10	XXXXXXXXXX	Elective	1			
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
		<b>Total Year 2 High School Credits</b>	<b>9</b>		<b>Total Year 2 College Credit Hours</b>	<b>12</b>
Year 3/Grade 11	03220300	English III	1			
Year 3/Grade 11	03100600	Algebra II	1			
Year 3/Grade 11	03040000 or 03050000	Chemistry or Physics	1			
Year 3/Grade 11	03340100	US History	1			
Year 3/Grade 11	XXXXXXXXXX	Elective	1			
Year 3/Grade 11	XXXXXXXXXX	Elective	1			
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	03580900	Independent Study in Applications	1	ITSE 1303	Introduction to MySQL	3
				ITSE 1306	PHP Programming	3
		<b>Total Year 3 High School Credits</b>	<b>8</b>		<b>Total Year 3 College Credit Hours</b>	<b>12</b>
Year 4/Grade 12	03220400	English IV	1			
Year 4/Grade 12	03101100 or 03102XXX	Precalculus or Advanced Math	1			
Year 4/Grade 12	XXXXXXXXXX	Advanced Science	1			
Year 4/Grade 12	03330100	Government	1			
Year 4/Grade 12	03330300	Economics	1			
Year 4/Grade 12	XXXXXXXXXX	Elective	1			
Year 4/Grade 12	XXXXXXXXXX	Elective	1			
Year 4/Grade 12 Semester 1	N1302814	Project Based Research	1	IMED 2349	Internet Server Management	3
				IMED 2309	Internet Commerce	3
Year 4/Grade 12 Semester 2	13028000	Practicum in Information Technology	2	IMED 2345	Interactive Digital Media II	3
				IMED 2313	Project Analysis and Design	3
		<b>Total Year 4 High School Credits</b>	<b>10</b>		<b>Total Year 4 College Credit Hours</b>	<b>12</b>
		<b>Total High School Credits</b>	<b>35</b>		<b>Total College Credit Hours</b>	<b>36</b>