Utah System of Higher Education
The Gateway, Salt Lake City, UT 84101
801-646-4784

Software Development

Technical Certificate (Catalog Year: 2026)

Foundational Courses (21 Credits / 630 Clock-Hours)

		Credits	Clock-Hours
TESD 1050	Job Seeking Skills	1	30
TESD 1100	Client-side Web Development	4	120
TESD 1400	Computer Programming	4	120
TESD 1500	Database Development	4	120
TESD 1700	Server-side Web Development	4	120
TESD 1800	Software Development	4	120

Supplemental Courses Varies by Institution

Bridgerland (9 Credits / 270 Clock-Hours)

		Credits	Clock-Hours
TESD 1000	Frontend Framework	3	90
TESD 1010	Backend Framework	3	90
TESD 1110	Prototyping and Design	3	90
TESD 1510	Content Management Systems Essentials	3	90
TESD 1900	Fullstack Integration	3	90
TESD 2835	Software Development Capstone	3	90
TEDA 1030	Python Programming	3	90

Davis (9 Credits / 270 Clock-Hours)

		Credits	Clock-Hours
TESD 1410	C++ Programming I	4	120
TESD 1411	C++ Programming II	3	90
TESD 1640	Mobile Development	4	120
TESD 1930	Introduction to DevOps	1	30
TESD 2840	Capstone Project	4	120
TESD 2851	Special Project I	1	30
TESD 2852	Special Project II	2	60
TESD 2853	Special Project III	3	90
TESD 2914	Software Development Externship	4	180

Dixie (9 Credits / 270 Clock-Hours)

		Credits	Clock-Hours
TESD 1520	TypeScript Programming	3	90
TESD 1815	Capstone Prototyping	3	90
TESD 1820	Capstone	3	90

Ogden-Weber (9 Credits / 270 Clock-Hours)

		Credits	Clock-Hours
TESD 1030	Foundations of Computing	4	120
TESD 1040	Software Development Math	1	30

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TESD 1136	JavaScript	2	60
TESD 2830	Capstone Project	2	60
Southwest (9 Credits / 270 Clock-Hours)		Credits	Clock-Hours
TESD 1180	Advanced Web Development	4	120
TESD 1420	Advanced Java Programming	4	120
TESD 1430	Python Programming	4	120
TESD 1600	Android App Programming	4	120
TESD 1610	IOS App Programming	4	120
TESD 1620	Computer Game Programming	4	120
TESD 2860	Final Advanced Project	4	120
Tooele (9 Credits / 270 Clock-Hours)		Credits	Clock-Hours
TESD 1020	Cloud Computing	3	90
TESD 1440	C# Programming I	3	90
TESD 1441	C# Programming II	3	90
TESD 1810	Unit Testing and DevOps	2	60
TESD 2870	Capstone Project	2	60