

# Computer Science: Software Engineering 2-Year Transfer Pathway

This pathway assumes that students completed an AS-T in Computer Science, or all of the following: Problem Solving and Programming (CST 231), Data Structures (CST 238), Computer Architecture/Organization (CST 237), Discrete Structures (Math170), Calculus I (Math 150), and CSU American Institutions and lower-division GE requirements.

Fall Junior Courses (16 units total)	Course or GE Title	Units	GE/Major
<b>CST 300</b>	Major ProSeminar	4	GWAR, Core
<b>CST 338</b>	Software Design	4	Core
<b>CST 205 or 311 or 312 or 325 or 363</b>	CS elective not counted elsewhere	4	CS Elective #1
<b>MATH 270 or MATH151</b>	Mah of Computing or Calculus II	4	Core
Spring Junior Courses (16 units total)	Course or GE Title	Units	GE/Major
<b>CST 370</b>	Design & Analysis of Algorithms	4	Core
<b>CST 336</b>	Internet Programming	4	Conc #1
<b>CST 325 or 383 (Spring only)</b>	Graphics Programming or Intro Data Sci	4	Conc #2
<b>CST 205, 311, 312, 325, 326, 363or 383</b>	CS elective not counted elsewhere	4	CS Elective #2
Fall Senior Courses (15 units total)	Course or GE Title	Units	GE/Major
<b>CST 334</b>	Operating Systems	4	Core
<b>CST 438</b>	Software Engineering	4	Conc #3
<b>CST 205, 311, 312, 325, 363</b>	CS elective not counted elsewhere	4	CS Elective #3
<b>Free elective or missing GE</b>	Free elective or missing GE	3	Free elective
Spring Senior Courses (13 units total)	Course or GE Title	Units	GE/Major
<b>CST 499</b>	Computer Science Capstone	4	Core
<b>CST 329 or any UDB</b>	Reasoning with Logic	3	UDB
<b>CST 462s</b>	Race, Gender, Class in Digital World	3	Core, UDSL, UDD,ES
<b>SPAN 340 or 350 or JAPN 340 or 350</b>	Upper-division humanities/world lang	3	UDC WCL
<b>Total Software Engineering Transfer:</b>		<b>60</b>	