Computer Science

Warriors on the Way to STEM
WOW 2 STEM

San Joaquin Delta College

Do you like puzzles? Problem solving? Math? Science? How about working in teams? Computer Science might be for you. CS majors will use their skills in technological areas such as computer networking, image processing, database design and development and artificial intelligence. Students focus on problem solving, taking into account the capabilities of the technology and available resources.

What can I do with a degree in Computer Science?

Possible careers/fields of work include computer security specialist, game designer, systems analyst, programming, system administrator, network administrator, software engineering, database manager and management information systems.

How can I participate in WOW 2 STEM?

- Meet with a STEM counselor each semester at your community college.
- Follow a student educational plan (SEP) as outlined by a STEM counselor.
- Attend presentations and workshops throughout the year.
- Follow application dates and deadlines as directed by the Transfer Advisor and Stanislaus State.

For further questions, you may contact:
Transfer Advisor/ Activity I Coordinator
209.667.3179

Dr. Megan Thomas is a professor in the Computer Science department at California State University, Stanislaus. "My own research focuses on exploring how to apply newer ideas in education to improving computer science education; this means I'm frequently trying out new types of homework assignments or class activities in my classes. When students are interested in research, I'll help them learn more about whatever they're interested in -- I've helped students explore how to make robots react appropriately when they see things, or how to make them move. My students have built web sites for campus projects, or apps to help other students."

Stanislaus State

Computer Science B.S. Roadmap

Prerequisites to Lower-Division Courses	Lower-Division Courses at San Joaquin Delta College	Major Course Requirements at Stanislaus State
CS-011 & CSP-017 or CSP-029A	CSP-026A or CSP-031A	CS 3100 - Data Structures and Algorithms (3 units) CS 3740 - Computer Organization (3 units) CS 3750 - Operating Systems I (3 units) CS 4100 - Programming Languages (WP) (3 units) CS 4960 - Seminar in Computer Science (1 unit) Theory Requirement (6 units) Practice Requirement (3 units) Electives - Student Choice (12 units)
CSP-026A for CSP-026B or CSP-031A for CSP-031B	CSP-026B or CSP-031B	
CS-011 & CSP-017	CSP-025	
(MATH-038A & MATH-038B) or MATH-039	MATH-001	
MATH-001	MATH-002	
MATH-092S	MATH-012	
MATH-002 or MATH-092S & CHEM-003A or BIOL-001	PHYSC-004A & PHYSC-004C or CHEM -001A & CHEM-001B or BIOL-003 & BIOL-002	

NOTE: Students seeking this major are encouraged to complete lower division courses prior to transferring to Stanislaus State. Students are recommended to meet with a counselor every semester.

For all degree requirements, visit www.csustan.edu/roadmaps

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