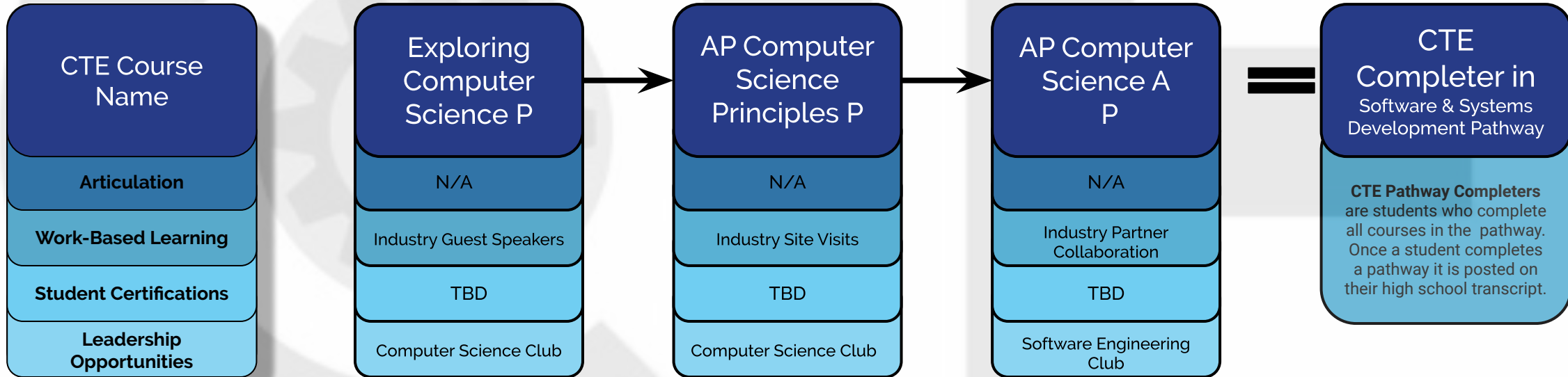




Students in the Software and Systems Development pathway prepare for careers related to computer science that involve the design, development, implementation, maintenance, and management of systems that rely on software programs to satisfy the operational needs of modern business organizations.



Related Complementary Courses: ▶ Math Courses ▶ Science Courses

P = UC/CSU Approved Course

Articulation = College Credit Opportunity

Post High School Options (San Diego County):

Pathway	Certificate Programs	2 Year (A.A.) Degree	4 Year (B.A/ B.S Degree)
Software Systems Development	Mira Costa College: Certificate in Cyber Security	Mira Costa College: A.S. Business Information Worker	San Diego State University: B.S. Computer Science
	Mira Costa College: Certificate in Management Information Systems	Mira Costa College: A.S Business Productivity Software Applications	CSU San Marcos: B.S Computer Science B.S Computer Information Systems B.S Software Engineering
	Mira Costa College: Certificate in Information Technology	Palomar College: A.S. Computer Science	University San Diego: B.S. Computer Science
	Palomar College: Computer Science	Palomar College: A.S. Computer Science w emphasis in Video Gaming	UC San Diego: B.S. Computer Science B.S. Computer Engineering B.S. Computer Science with a Specialization in Bioinformatics
	Palomar College: Computer Science w emphasis in Video Gaming	Palomar College: A.S. Information Technology	

Key Software Systems Development Occupations in SD County 2016*

Occupations	Typical Entry- Level Education	2016 Jobs in Industry	Median Hourly Earnings
Software Developers, Applications	B.S. Degree	10,032	\$49.04
Software Developers, Systems Software	B.S. Degree	7,581	\$55.40
Computer Programmers	B.S. Degree	3,472	\$38.06
Web Developers	A.A. Degree	1,857	\$33.44
Computer Network Support Specialists	A.A. Degree/ B.A, Degree	2,347	\$34.20
Information Security Analysts	B.A. Degree	819	\$46.32

Source: QCEW Employees & Non-QCEW Employees - EMSI 2017.2 Class of Worker

Skills that Employers say are VERY IMPORTANT

Problem Solving ■ Critical Thinking ■ Social and verbal communication ■ Industry-specific knowledge