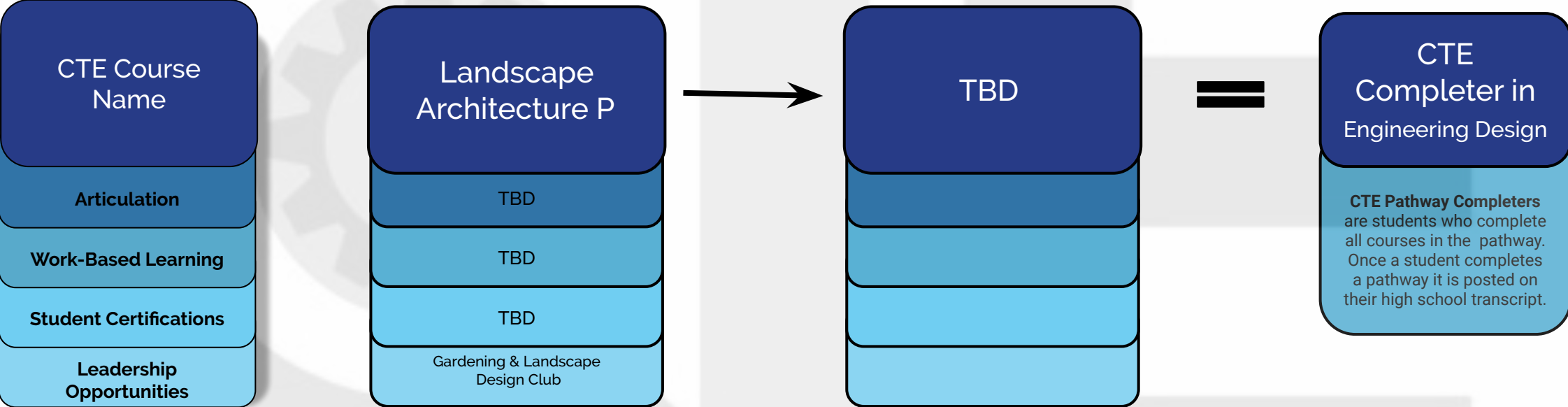




The Engineering Design pathway provides learning opportunities for students interested in preparing for careers in the design and production of mechanical, electrical, and computer systems.



Related Complementary Courses: ▶ Architectural Design ▶ Metals ▶ Welding/ Metals Fabrication

P = UC/CSU Approved Course

Articulation = College Credit Opportunity

## Post High School Options (San Diego County):

Pathway	Certificate Programs	2 Year (A.A./A.S.) Degree	4 Year (B.A/ B.S Degree)
Engineering Design	Mira Costa College TCI: <a href="#">Engineering Technician Program</a> , <a href="#">Engineering Design Graphics</a>	Mira Costa College: <a href="#">Computer-Aided Drafting/ Design</a>	San Diego State University: <a href="#">College of Engineering</a>
	Mira Costa College: <a href="#">Engineering Design Graphics</a>	San Diego Mesa College: <a href="#">Architecture</a>	UCSD: <a href="#">Urban Studies and Planning</a>
	Mira College College: <a href="#">Landscape Architecture</a>	Mira Costa College: <a href="#">Architectural Design</a>	CSU San Marcos: <a href="#">Environmental Studies</a>
	San Diego Mesa College: <a href="#">Architecture Technology</a>	Mira Costa College: <a href="#">Landscape Architecture</a>	University of San Diego: <a href="#">Architecture</a>
	Palomar College: <a href="#">Industrial Technology</a>	Palomar College: <a href="#">Engineering (A.S.)</a>	University of San Diego: <a href="#">School of Engineering</a>

### Key Engineering/ Architecture Occupations in SD County 2016\*

Occupations	Typical Entry- Level Education	2016 Jobs in Industry	Median Hourly Earnings
Assemblers and Fabricators	H.S. Diploma or equivalent	10,168	\$12.54
Software Developers	B.A./ B.S. Degree	8,628	\$52.22
Electrical or Civil Engineers	B.A./ B.S. Degree	6,292	\$49.03
Architectural and Civil Drafters	A.A./ A.S. Degree	1,952	\$27.52
General and Operations Managers	B.A./ B.S. Degree	3,732	\$50.27
Inspectors, Testers, Sorters, Samplers, and Weighers	H.S. Diploma or equivalent	3,399	\$19.56
Laborers and Freight, Stock, and Materials Movers	No formal educational credentials	1,657	\$11.65

\*Source: San Diego Workforce Partnership  
11/17, Center of Excellence

### Skills that Employers say are VERY IMPORTANT

**Creative ■ Artistic ■ Detail Orientation ■ Drawing/ IT Skills ■ Leadership ■ Communication**