



INFORMATION & COMMUNICATION TECHNOLOGIES

INDUSTRY



Information and Communication Technologies

The Information and Communication Technologies sector provides students with analytical, design, and management skills. Topics include game design, cyber security, data analysis, and coding. Internships may occur in IT firms, defense firms, and in all industries.

PATHWAYS OFFERED

- Software and Systems Development
- Games and Simulations • Information Support and Services Pathway

Course Sequence and Offerings | 2018-2019

COURSES OFFERED

- Foundations in IT • GIS and Global Technology
- AP Computer Science Principles • Website Design
- Game Design • IT in Global Society
- Introduction to Design
- AP Computer Science A

CTE Sequence of Courses

Industry	1 Foundation	2 Intermediate	3 Advanced
Pathway Clairemont High			
Games and Simulation Pathway	Foundations in IT 1, 2 ** (3705, 3706)	Game Design 1, 2 * (4473, 4474) AP Computer Science Principles 1, 2 * (4463, 4464)	Game Design 3, 4 (4477, 4478) AP Computer Science A 1, 2 * (4461, 4462)
Pathway Crawford High			
Games and Simulation Pathway	Foundations in IT 1, 2 ** (3705, 3706)	Game Design 1, 2 * (4473, 4474)	Game Design 3, 4 (4477, 4478)
Software and Systems Development Pathway	Foundations in IT 1, 2 ** (3705, 3706)	AP Computer Science Principles 1, 2 * (4463, 4464)	Cybersecurity 1,2 (8359, 8360)
Pathway Henry High			
Software and Systems Development Pathway		AP Computer Science Principles 1, 2 * (4463, 4464)	AP Computer Science A 1, 2 * (4461, 4462) Computer Science 3,4 (4413, 4414)
Pathway Hoover High			
Software and Systems Development Pathway	Foundations in IT 1, 2 ** (3705, 3706)	AP Computer Science Principles 1, 2 * (4463, 4464)	GIS and Global Technology 1, 2 ** (8291, 8292) GIS and Global Technology 3, 4 * (8293, 8294) Cybersecurity 1,2 (8359, 8360)

key/notes

1. * UC a-g Approved
2. • Receives Community College Credit
3. ~ Future class not currently available



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Course Sequence and Offerings | 2018-2019

CTE Sequence of Courses

Industry Pathway	1 Foundation	2 Intermediate	3 Advanced
Kearny High SCT			
Software and Systems Development Pathway	Foundations in IT 1, 2 ** (3705, 3706)	AP Computer Science Principles 1, 2 * (4463, 4464)	GIS and Global Technology 1, 2 * (8291, 8292) GIS and Global Technology 3, 4 (8293, 8294)
La Jolla High			
Software and Systems Development Pathway	Foundations in IT 1, 2 ** (3705, 3706)	AP Computer Science Principles 1, 2 * (4463, 4464)	AP Computer Science A 1, 2 * (4461, 4462)
Mission Bay High			
Games and Simulation Pathway	Foundations in IT 1, 2 ** (3705, 3706) Computer Animation 1,2* (3639, 3640)	AP Computer Science Principles 1, 2 * (4463, 4464)	Game Design 3, 4 (4477, 4478)
Morse High			
Software and Systems Development Pathway	Foundations in IT 1, 2 ** (3705, 3706)	AP Computer Science Principles 1, 2 * (4463, 4464)	AP Computer Science A 1, 2 * (4461, 4462)
San Diego High			
Software and Systems Development Pathway	Foundations in IT 1, 2 * (3705, 3706)	AP Computer Science Principles 1, 2 * (4463, 4464)	IT in Global Society SL IB 1 (4493,4494) Website Design 1,2 (8931, 8932)
Serra High			
Software and Systems Development Pathway	<i>Foundations in IT 1, 2 * (3705, 3706)</i>	AP Computer Science Principles 1, 2 * (4463, 4464)	<i>Computer Science 1, 2 * (4411, 4412)</i> <i>AP Computer Science A 1, 2 * (4461, 4462)</i> <i>GIS and Global Technology 1, 2 * (8291, 8292)</i>
University City High			
Software and Systems Development Pathway	Foundations in IT 1, 2 * (3705, 3706)	AP Computer Science Principles 1, 2 * (4463, 4464)	AP Computer Science A 1, 2 * (4461, 4462)

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