

CALIFORNIA COMMUNITY COLLEGES

# IT TECHNICIAN PATHWAY



## Start your IT career in a matter of months

TRAINING



CERTIFICATIONS



EXPERIENCE

Many entry-level jobs in information technology (IT) don't require a 4-year degree. Get training, get certified and get a job.



PHASE 1

### Computer Retail Sales

Learn fundamental IT, business and customer service skills by taking the first six IT Technician Pathway courses and the CompTIA A+ Certification exam.



PHASE 2

### Help Desk / User Support

Learn about computer networks, client and server operating systems, and cyber-security, preparing you for key industry certifications, and job opportunities in Help Desk/User Support.



PHASE 3

### IT Technician

Phase 3 adds advanced networking and system administration course work and certifications, which can lead to higher skilled, and better paying IT positions.



PHASE 4

### IT Specialization

Specialization areas allow you to build upon prior experience, training and certifications by taking courses that teach highly marketable job skills, in Cybersecurity and Networking.

## It all links together for a career in IT.

<https://ict-dm.net/ittp>

# IT TECHNICIAN PATHWAY



The California Community College IT Technician Pathway program describes an effective balance of training, certifications and experience to develop IT Professionals without a 4-year degree...

James Brady, PhD, FHIMSS, Chief Information Officer, Kaiser Permanente Orange County, Information Technology



	COURSE	CERTIFICATION	JOB
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<b>PHASE 1</b>	<ul style="list-style-type: none"> <li>• Introduction to Retail or Business Fundamentals</li> <li>• Customer Service/Human Relations</li> <li>• Business Communications</li> <li>• Microsoft Office Essentials</li> <li>• Information &amp; Communications Technology Essentials</li> <li>• Business Information Systems/Computer Information Systems</li> </ul>	▶ A+	<b>Computer Retail Sales</b>
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<b>PHASE 2</b>	<ul style="list-style-type: none"> <li>• Computer Network Fundamentals</li> <li>• Systems and Network Administration (Network Operating Systems)</li> <li>• Installing, Configuring, and Administering a Microsoft OS</li> <li>• Introduction to Information Security Systems</li> </ul>	▶ Network+ ▶ MCSA Server 2016 ▶ MCTS: Win 10 ▶ Security+	<b>Help Desk/User Support</b>
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<b>PHASE 3</b>	<ul style="list-style-type: none"> <li>• Routing &amp; Switching Essentials</li> <li>• Installing, Configuring, and Administering Linux Operating System</li> <li>• Introduction to Scripting (Python/PowerShell)</li> </ul>	▶ Cisco CCENT ▶ Linux+	<b>IT Technician</b>
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	CYBERSECURITY SPECIALIST	CERTIFICATION	JOB
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<b>PHASE 4 - SPECIALIZATIONS</b>	• Principles of Cybersecurity Analysis	▶ CSA+	<b>Computer Security Analyst</b>
	• Introduction to Computer Forensics Investigations	▶ IACIS CFCE	<b>Computer Forensic Investigator</b>
	• Introduction to Cybersecurity: Ethical Hacking	▶ EC Council CEH	<b>Penetration Tester</b>
	• Implementing Cisco Network Security	▶ CCNA Security	<b>Network Security Specialist</b>
	• Certified Information Systems Security Professional	▶ CISSP	<b>Cybersecurity Consultant</b>

	IT NETWORKING SPECIALIST	CERTIFICATION	JOB
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<b>PHASE 4 - SPECIALIZATIONS</b>	• CCNA Scaling Networks	▶ CCNA Routing & Switching	<b>Network Administrator</b>
	• CCNA Connecting Networks	▶ CCNA Routing & Switching	<b>Network Administrator</b>
	• Cisco Wireless Network Fundamentals	▶ CCNA Wireless	<b>Wireless Network Administrator</b>
	• Firewall Essentials	▶ Palo Alto Networks ACE	<b>Network Engineer</b>

See [www.ict-dm.net/ittp](http://www.ict-dm.net/ittp) for more information.