



National Occupational Framework: Computer Network Architect

Computer network architects design and implement computer and information networks including local area networks (LANs), wide area networks (WANs), and intranets. They analyze network capacity needs, design and deploy network systems, and test and maintain existing networks. Computer network architects also address security vulnerabilities in existing networks.

Computer Network Architect
National Occupational Framework
<https://urban.is/42yJGwP>



Apprenticeship: A Solution for Recruiting and Training Computer Network Architects

Apprenticeship programs combine learning on the job and in the classroom to train workers in the exact skills needed by employers. The demand for computer network architects is projected to grow as companies and organizations increase their use of cloud computing and upgrade and build new IT networks. Apprenticeship programs can equip workers with the computer network design, maintenance, and security knowledge and skills needed to enter and succeed in this high-growth occupation.



Apprenticeship Benefits:

90%
employment retention for apprentices

86%
of employers with programs recommend apprenticeship

\$1.44
return on investment for every dollar spent

WHAT'S INCLUDED IN A NATIONAL OCCUPATIONAL FRAMEWORK?

- background information to help you learn more about the occupation
- comprehensive list of the competencies apprentices need to do the job
- building blocks of information for employers developing a registered apprenticeship program

Questions? Visit the National Apprenticeship Resource Hub at apprenticeships.urban.org or contact the Urban Institute at apprenticeship@urban.org.



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