

ORACLE ACADEMY 21ST CENTURY, NEW SKILLS, NEW JOBS... ARE YOU READY?

Danny Gooris, Senior Manager EMEA
Oracle Academy

Europe's challenge is not just to improve skill levels, but also to match people with the right skills to the right jobs. Working life is becoming much more complicated. The information revolution is gradually dispensing with many jobs that had seemed to be a permanent fixture of our societies, while the jobs it generates need an ever widening skill base, especially ICT skills.

Consequently, it is becoming more difficult to find the right people for the right jobs. Skills intensive economic and technological change is making the issue of skill mismatch more prominent. It's not just a matter of having enough skilled people in the economy as a whole, although that is an important condition. Most of the new jobs the European economy is expected to create over the next decade will require high-level qualifications. The good news is that qualification levels are rising, particularly among young people and women.

It is estimated that, in 2020, 31.5% of all jobs will need tertiary-level qualifications and that around 34% of the labor force will have them. Some 50% of jobs will require medium-level qualifications and around 48% of the labor force will be qualified to that level. Around 18% of the labor force will have no or low-level qualifications and 18.5% of jobs will need no or only low level qualifications. Given these trends, although not perfectly aligned, Europe does not seem to be doing so badly.

As with most things, however, the real problem lies in the details. The right balance between supply and demand also means that people need to be a good fit with their jobs. Although forecasted skill levels may be broadly in line, in 2020 the European labor market is likely to have a surplus of some skills and a shortage of others. People may have academic qualifications while employers may want vocational ones. Europe's challenge is not just to improve skills, but also to match the people with the right skills to the jobs available.

We need to look today at the jobs of 2020 and define what skills are needed, in order to address the skill set gap.

In today's world, technology is ubiquitous across industries, and an understanding of computer science is essential to effective participation in the global economy. As a global program supporting computer science education, Oracle Academy enables educators everywhere to inspire and prepare millions of students to become the innovators and leaders of the future.

The Oracle Academy provides a complete portfolio of software, curriculum, hosted technology, faculty training, support, and certification resources to K-

12, vocational, and higher education institutions for teaching use. Faculty can flexibly insert these resources into computer science and business programs, ensuring that students gain industry-relevant skills prior to entering the workforce. The Oracle Academy supports over 2.2 million students in 96 countries. Oracle Academy recently expanded its curriculum to include Java.

The Oracle Academy program is made to help students to obtain the skills they need in today's 21st Century job market.