
<table>
<thead>
<tr>
<th></th>
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</tr>
</thead>
<tbody>
<tr>
<td>Total, all occupations</td>
<td>118,104</td>
<td>136,211</td>
<td>143,786</td>
<td>15</td>
<td>22</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Social and human service assistants</td>
<td>118</td>
<td>171</td>
<td>284</td>
<td>45</td>
<td>141</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Management analysts</td>
<td>130</td>
<td>176</td>
<td>313</td>
<td>35</td>
<td>140</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Personal care and home health aides</td>
<td>327</td>
<td>535</td>
<td>765</td>
<td>63</td>
<td>134</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Bill and account collectors</td>
<td>149</td>
<td>195</td>
<td>330</td>
<td>31</td>
<td>122</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Occupational therapists</td>
<td>33</td>
<td>48</td>
<td>72</td>
<td>49</td>
<td>121</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Correctional officers</td>
<td>186</td>
<td>262</td>
<td>398</td>
<td>41</td>
<td>114</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Physical therapy assistants and aides</td>
<td>39</td>
<td>60</td>
<td>82</td>
<td>52</td>
<td>110</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Medical records and health information technicians</td>
<td>47</td>
<td>75</td>
<td>95</td>
<td>60</td>
<td>103</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Medical assistants</td>
<td>149</td>
<td>253</td>
<td>263</td>
<td>70</td>
<td>77</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Physical therapists</td>
<td>68</td>
<td>107</td>
<td>117</td>
<td>57</td>
<td>71</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Paralegals and legal assistants</td>
<td>83</td>
<td>145</td>
<td>141</td>
<td>75</td>
<td>71</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Hosts and hostesses, restaurant, lounge, or coffee shop</td>
<td>183</td>
<td>239</td>
<td>310</td>
<td>31</td>
<td>69</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Receptionists and information clerks</td>
<td>833</td>
<td>1,164</td>
<td>1,370</td>
<td>40</td>
<td>64</td>
<td>Much faster</td>
<td>Much faster</td>
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<tr>
<td>Systems analysts</td>
<td>403</td>
<td>617</td>
<td>653</td>
<td>53</td>
<td>62</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Securities, commodities, and financial services sales agents</td>
<td>200</td>
<td>309</td>
<td>315</td>
<td>55</td>
<td>58</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Respiratory therapists</td>
<td>56</td>
<td>79</td>
<td>87</td>
<td>41</td>
<td>56</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Surgical technologists</td>
<td>35</td>
<td>55</td>
<td>55</td>
<td>55</td>
<td>55</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Operations research analysts</td>
<td>55</td>
<td>85</td>
<td>83</td>
<td>55</td>
<td>51</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
<tr>
<td>Opticians, dispensing</td>
<td>49</td>
<td>65</td>
<td>72</td>
<td>31</td>
<td>46</td>
<td>Much faster</td>
<td>Much faster</td>
</tr>
</tbody>
</table>

^2 Growth descriptor refers to the rate at which employment is expected to grow compared to the general labor market.
Millions of UK workers at risk of being replaced by robots, study says

Workers in wholesale and retail sectors at highest risk from breakthroughs in robotics and artificial intelligence, PwC report finds
TECHNOLOGICAL CHANGE
GLOBALISATION
DEMOGRAPHICS
ENVIRONMENTAL SUSTAINABILITY
URBANISATION
INEQUALITY
POLITICAL UNCERTAINTY
Methodology
UK employment (total: 31 million)

- Secondary education teaching professionals
- Primary & nursery education teaching professionals
- Sales accounts & business development managers
- Nurses
- Production managers & directors in manufacturing
- Kitchen & catering assistants
- Care workers & home carers
- Teaching assistants
- Large goods vehicle drivers
- Cleaners & domestics
- Sales & retail assistants
- Book-keepers, payroll managers & wages clerks
- Other administrative occupations
- Elementary storage occupations

More likely to grow

Percentage of workers whose occupations are...
likely to grow: 8%
likely to shrink: 21%

Chance of growing*
Most likely to grow
Uncertain
Most likely to shrink
* as a % of the workforce

Occupations select one
- Elementary Occupations
- Process, Plant & Machine Operatives
- Sales & Customer Service Occupations
- Caring, Leisure & Other Service Occupations
- Skilled Trades Occupations
- Administrative & Secretarial Occupations
- Associate Professional & Technical Occupations
- Professional Occupations
- Managers, Directors & Senior Officials
Skills most likely to be in greater demand up to 2030

1. Judgement and Decision Making
2. Fluency of Ideas
3. Active Learning
4. Systems Evaluation
5. Originality
6. Learning Strategies
7. Deductive Reasoning
8. Complex Problem Solving
Correlation between change in UK workforce ‘skills’ importance over time and 2030 predictions
CREATIVITY VS. ROBOTS
THE CREATIVE ECONOMY AND THE FUTURE OF EMPLOYMENT

THE FUTURE OF SKILLS EMPLOYMENT IN 2030

Which digital skills do you really need?
Exploring employer demand for digital skills and occupation growth prospects

By 2030 the job market will look dramatically different. Previous Nesta research has predicted that about 40 per cent of occupations are likely to grow and 20 per cent will shrink. As for the remaining jobs, their outlook is uncertain. Despite national concern, these changes don’t have to be disastrous for the workforce. There is an opportunity for employees in uncertain or shrinking occupations to improve their prospects by investing in the right skills.

Our research identifies the top 10 skills that will be in highest demand by sectors. These skills are: data science, machine learning, artificial intelligence, automation, robotics, cybersecurity, cloud computing, blockchain, virtual and augmented reality, and the internet of things.

The top 10 skills will be in high demand across all sectors, but some sectors will be more affected than others. For example, the healthcare sector will have a high demand for skills in data science and machine learning, while the finance sector will have a high demand for skills in cybersecurity and blockchain. The top 10 skills are not only important to specific sectors, they are also transferable skills that can be developed across a range of industries.
Digital intensity* of jobs most and least likely to grow

- Least likely to grow: 22.6%
- Most likely to grow: 15.4%

*Weighted average digital intensity is calculated using share of employment in each SOC as weights
Coefficients for 15 skills categories that are most and least predictive of an occupation’s growth prospects
We must act now to bridge the skills gap or leave a toxic legacy for decades

ADAM MARSHALL
9 AUGUST 2017 - 6:35PM