



# Cheshire and Warrington Science and Research

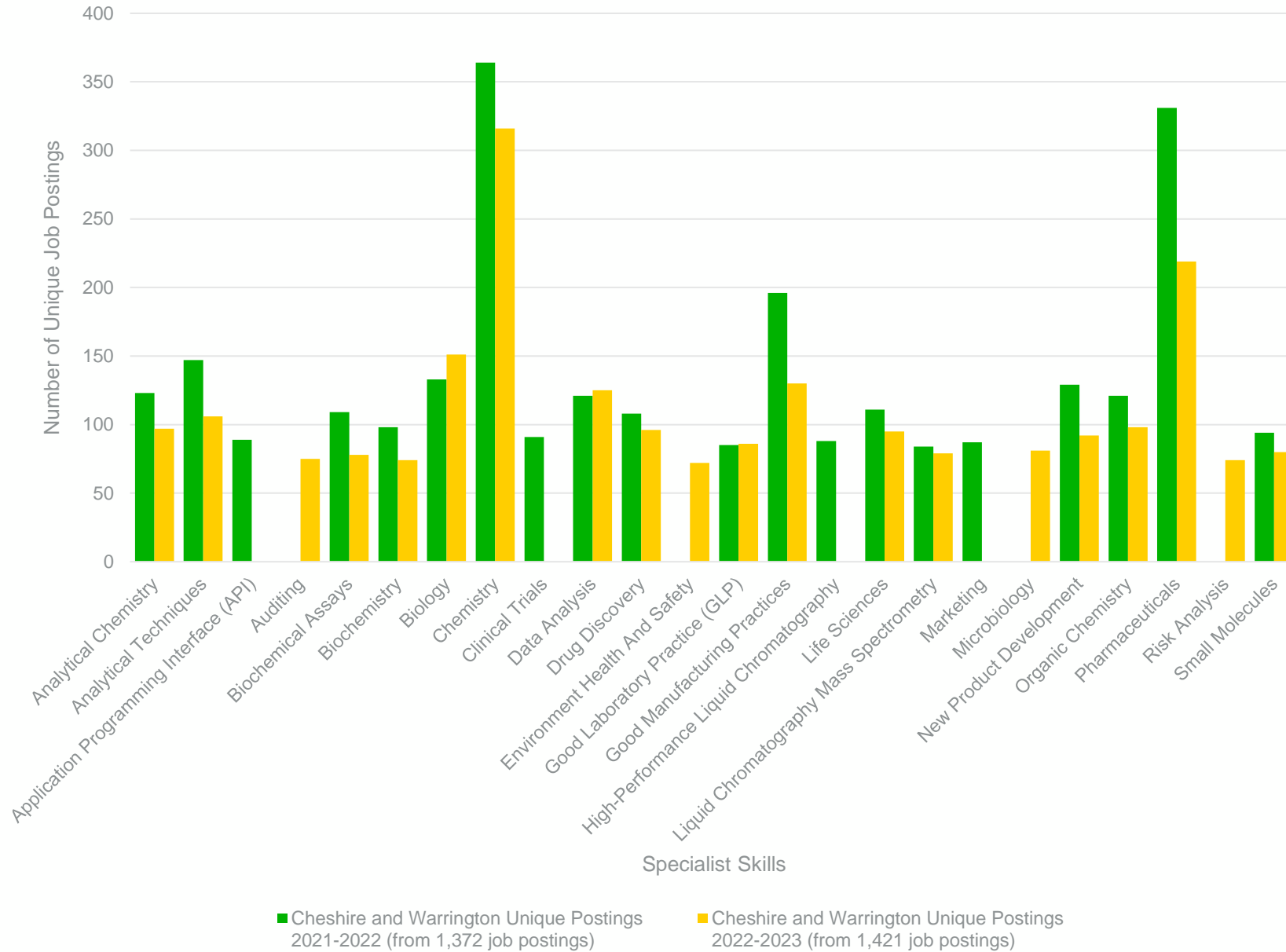
Analysis of current skills (specialist, employability and digital)

1st April 2021 – 31st March 2022 compared to  
1st April 2022 – 31st March 2023

Source: Lightcast 23/05/2023

To be used with caution, especially where the job postings are for a lower number of vacancies. For example in the period April 2021 to March 2022 2021-2022 for manufacturing occupations there were 4,884 postings compared to 12,328 for Information Technology, 18,029 for healthcare including nursing and 143,851 for All occupations

## Top 20 Specialist Skills in Job Postings in Cheshire and Warrington - Science and Research



■ Cheshire and Warrington Unique Postings 2021-2022 (from 1,372 job postings)
 ■ Cheshire and Warrington Unique Postings 2022-2023 (from 1,421 job postings)

\* Please note the need for caution when interpreting this data, especially when the number of job postings is low.

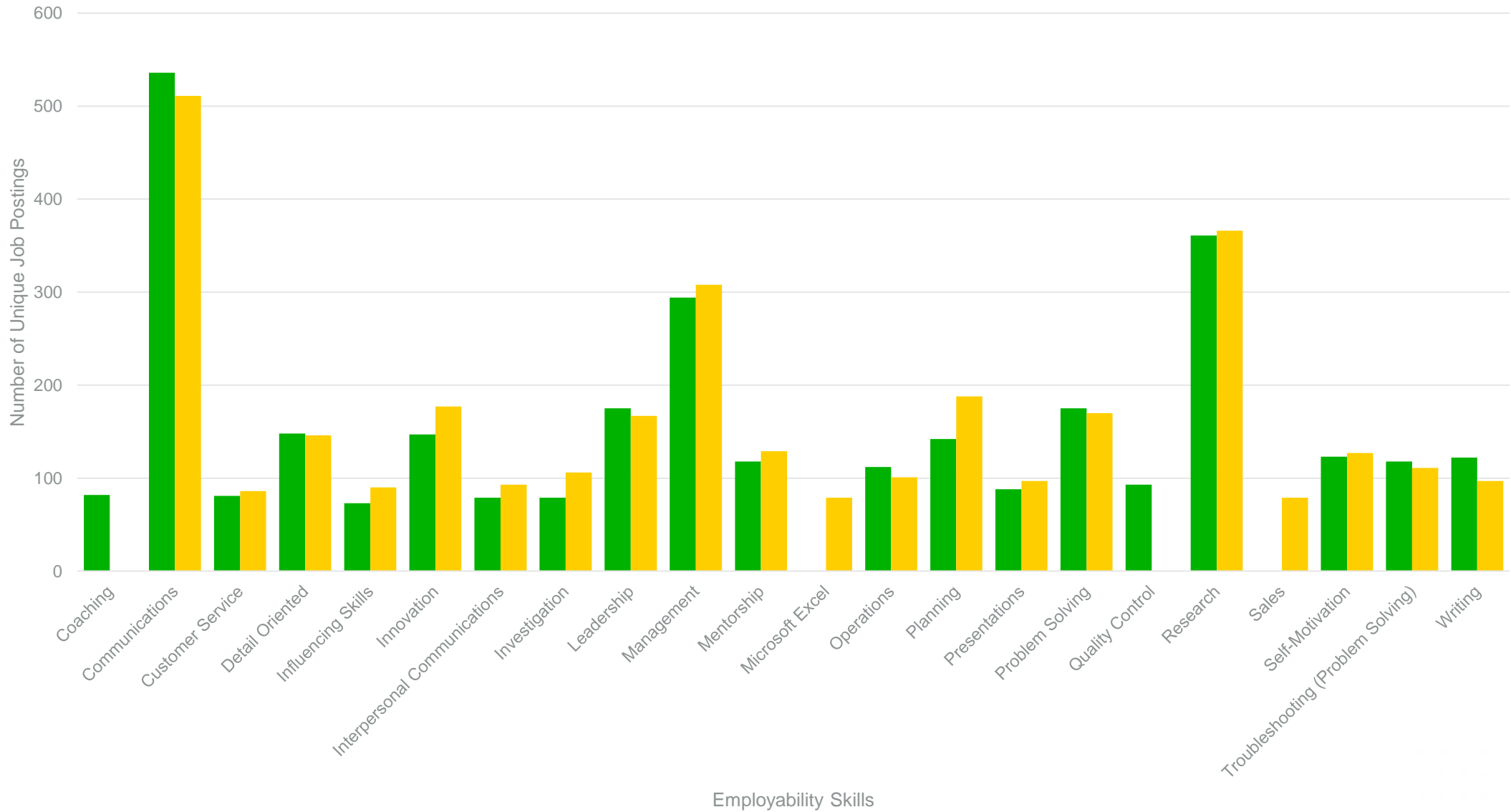
## Top 20 Specialist Skills Specified in Job Adverts in Cheshire and Warrington – Science and Research\*

| Top Specialised Skills                  | Cheshire and Warrington Unique Postings 2021-2022 (from 1,372 job postings) | National Average 2021-2022 | Cheshire and Warrington Unique Postings 2022-2023 (from 1,421 job postings) | National Average 2022-2023 |
|---|---|----------------------------|---|----------------------------|
| Analytical Chemistry                    | 123   | 41                         | 97  | 38                         |
| Analytical Techniques                   | 147   | 47                         | 106   | 43                         |
| Application Programming Interface (API) | 89  | 14                         |   |                            |
| Auditing                                |   |                            | 75  | 84                         |
| Biochemical Assays                      | 109   | 62                         | 78  | 53                         |
| Biochemistry                            | 98  | 78                         | 74  | 75                         |
| Biology                                 | 133   | 133                        | 151   | 136                        |
| Chemistry                               | 364   | 163                        | 316   | 151                        |
| Clinical Trials                         | 91  | 104                        |   |                            |
| Data Analysis                           | 121   | 102                        | 125   | 112                        |
| Drug Discovery                          | 108   | 33                         | 96  | 31                         |
| Environment Health And Safety           |   |                            | 72  | 29                         |
| Good Laboratory Practice (GLP)          | 85  | 39                         | 86  | 32                         |
| Good Manufacturing Practices            | 196   | 63                         | 130   | 50                         |
| High-Performance Liquid Chromatography  | 88  | 44                         |   |                            |
| Life Sciences                           | 111   | 74                         | 95  | 64                         |
| Liquid Chromatography Mass Spectrometry | 84  | 21                         | 79  | 20                         |
| Marketing                               | 87  | 60                         |   |                            |
| Microbiology                            |   |                            | 81  | 51                         |
| New Product Development                 | 129   | 56                         | 92  | 50                         |
| Organic Chemistry                       | 121   | 24                         | 98  | 21                         |
| Pharmaceuticals                         | 331   | 112                        | 219   | 94                         |
| Risk Analysis                           |   |                            | 74  | 60                         |
| Small Molecules                         | 94  | 17                         | 80  | 17                         |



\* Please note the need for caution when interpreting this data, especially when the number of job postings is low.

## Top 20 Employability Skills in Job Postings in Cheshire and Warrington - Science and Research



■ Cheshire and Warrington Unique Postings  
2021-2022 (from 1,372 job postings)

■ Cheshire and Warrington Unique Postings  
2022-2023 (from 1,421 job postings)



\* Please note the need for caution when interpreting this data, especially when the number of job postings is low.

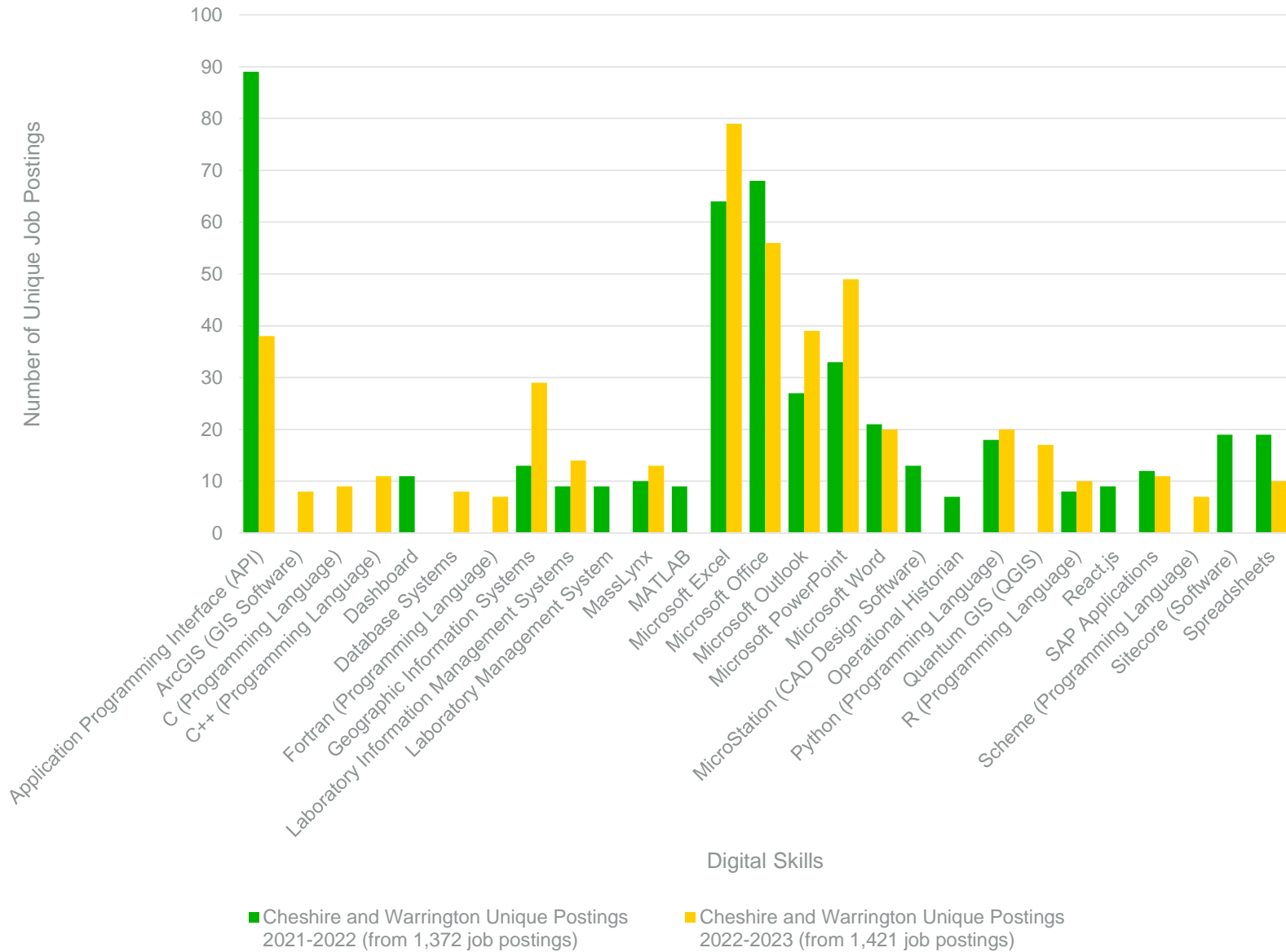
## Top 20 Employability Skills Specified in Job Adverts in Cheshire and Warrington – Science and Research\*

| Top Employability Skills          | Cheshire and Warrington Unique Postings 2021-2022 (from 1,372 job postings) | National Average 2021-2022 | Cheshire and Warrington Unique Postings 2022-2023 (from 1,421 job postings) | National Average 2022-2023 |
|-----------------------------------|---|----------------------------|---|----------------------------|
| Coaching                          | 82  | 26                         |   |                            |
| Communications                    | 536   | 422                        | 511   | 441                        |
| Customer Service                  | 81  | 73                         | 86  | 67                         |
| Detail Oriented                   | 148   | 114                        | 146   | 119                        |
| Influencing Skills                | 73  | 49                         | 90  | 59                         |
| Innovation                        | 147   | 119                        | 177   | 135                        |
| Interpersonal Communications      | 79  | 78                         | 93  | 78                         |
| Investigation                     | 79  | 70                         | 106   | 75                         |
| Leadership                        | 175   | 115                        | 167   | 131                        |
| Management                        | 294   | 303                        | 308   | 314                        |
| Mentorship                        | 118   | 64                         | 129   | 75                         |
| Microsoft Excel                   |   |                            | 79  | 58                         |
| Operations                        | 112   | 89                         | 101   | 104                        |
| Planning                          | 142   | 141                        | 188   | 168                        |
| Presentations                     | 88  | 111                        | 97  | 115                        |
| Problem Solving                   | 175   | 103                        | 170   | 107                        |
| Quality Control                   | 93  | 46                         |   |                            |
| Research                          | 361   | 572                        | 366   | 611                        |
| Sales                             |   |                            | 79  | 65                         |
| Self-Motivation                   | 123   | 97                         | 127   | 99                         |
| Troubleshooting (Problem Solving) | 118   | 50                         | 111   | 45                         |
| Writing                           | 122   | 133                        | 97  | 138                        |



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## Top 20 Digital Skills in Job Postings in Cheshire and Warrington - Science and Research



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## Top 20 Digital Skills Specified in Job Adverts in Cheshire and Warrington – Science and Research\*

| Top Digital Skills                        | Cheshire and Warrington Unique Postings 2021-2022 (from 1,372 job postings) | National Average 2021-2022 | Cheshire and Warrington Unique Postings 2022-2023 (from 1,421 job postings) | National Average 2022-2023 |
|---|---|----------------------------|---|----------------------------|
| Application Programming Interface (API)   | 89  | 14                         | 38  | 15                         |
| ArcGIS (GIS Software)                     |   |                            | 8   | 6                          |
| C (Programming Language)                  |   |                            | 9   | 7                          |
| C++ (Programming Language)                |   |                            | 11  | 13                         |
| Dashboard                                 | 11  | 3                          |   |                            |
| Database Systems                          |   |                            | 8   | 2                          |
| Fortran (Programming Language)            |   |                            | 7   | 2                          |
| Geographic Information Systems            | 13  | 20                         | 29  | 23                         |
| Laboratory Information Management Systems | 9   | 10                         | 14  | 8                          |
| Laboratory Management System              | 9   | 5                          |   |                            |
| MassLynx                                  | 10  | 1                          | 13  | 1                          |
| MATLAB                                    | 9   | 14                         |   |                            |
| Microsoft Excel                           | 64  | 55                         | 79  | 58                         |
| Microsoft Office                          | 68  | 53                         | 56  | 51                         |
| Microsoft Outlook                         | 27  | 18                         | 39  | 20                         |
| Microsoft PowerPoint                      | 33  | 35                         | 49  | 34                         |
| Microsoft Word                            | 21  | 17                         | 20  | 17                         |
| MicroStation (CAD Design Software)        | 13  | 1                          |   |                            |
| Operational Historian                     | 7   | 0                          |   |                            |
| Python (Programming Language)             | 18  | 39                         | 20  | 47                         |
| Quantum GIS (QGIS)                        |   |                            | 17  | 5                          |
| R (Programming Language)                  | 8   | 25                         | 10  | 33                         |
| React.js                                  | 9   | 2                          |   |                            |
| SAP Applications                          | 12  | 5                          | 11  | 6                          |
| Scheme (Programming Language)             |   |                            | 7   | 2                          |
| Sitecore (Software)                       | 19  | 5                          |   |                            |
| Spreadsheets                              | 19  | 10                         | 10  | 11                         |



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