

Variation to the Course Information Document

For Academic Year 2020/21

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| Name of programme(s) and award type(s): <i>(such as Single Honours History with International Year)</i> | BSc Data Science Apprenticeship |
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Dear apprentices,

As part of our commitment to continually work to improve our programmes, and in light of our plans to start next academic year with a hybrid delivery model due to the impact of Covid-19, we are confirming in this document the changes to your programme in the Academic Year 2020/21. More general information about what studying at the University will be like in 2020/21 can be found here:

<https://www.keele.ac.uk/coronavirus/operations/>

Specific planned changes

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| How the programme will be taught <i>(include any significant changes to the balance between on campus and digital delivery and what students can expect)</i> | Block release sessions will in the first instance be conducted online rather than as an on campus residential. It is still assumed apprentices will be released from work to be able to attend a full timetable of online activities. There will be some expectation of on campus attendance to fulfil requirements for the apprenticeship. This is likely to be in Semester 2. Timings will be reviewed in consideration of current COVID-19 guidance. |
| Changes to placements, field courses or other practical activities <i>(where applicable)</i> | See above for residential. |
| Learning resources and any potential additional costs <i>(such as equipment requirements)</i> | As the programme has significant online delivery, with requirement for practical work, it is expected that apprentices have a laptop and/or a desktop computer that allows access to online resources. If a work computer it is needed that the firewall allows access to the KLE and MS Teams. A laptop is recommended as it will aid work during residential periods. Students who need support in accessing appropriate IT equipment may be eligible to apply for support from the University's hardship fund . |
| How the programme will be assessed <i>(a general summary of changes to assessment methods)</i> | Class tests will be converted to online tests. Practical work will be performed on own computers using open source software. Otherwise there are no significant changes to the programme assessment methods. |
| How students are supported <i>(any alternative arrangements such as communication methods, support networks etc.)</i> | Online tutorials and helpdesks will be available throughout the semesters. Additionally, there is a regular fortnightly programme level drop-in session led by the programme director and one to one meetings in addition to the 4 tripartite meetings a year. |

Updated module lists for 2020/21

Year 1 / Level 4

| Compulsory modules | Module Code | Credits | Semester | Added/removed/unchanged? |
|--|--------------------|----------------|-----------------|---------------------------------|
| Numerical and Computational Skills | CSC-10044 | 15 | 1 | unchanged |
| Programming Fundamentals | CSC-10046 | 15 | 1 | unchanged |
| Introduction to Computing | CSC-10048 | 15 | 1 | unchanged |
| Making Sense of Statistics for Data Scientists | CSC-10052 | 15 | 1 | unchanged |
| Introduction to Data Science with Python | CSC-10042 | 30 | 2 | unchanged |
| Requirements, Evaluation and Professionalism for Data Scientists | CSC-10050 | 15 | 2 | unchanged |
| Calculus for data Scientists | CSC-10054 | 15 | 2 | unchanged |
| Optional modules | Module Code | Credits | Semester | |
| N/A | | | | |

Year 2 / Level 5 (2019/20 entry cohort)

| Compulsory modules | Module Code | Credits | Semester | Added/removed/unchanged? |
|---|--------------------|----------------|-----------------|---------------------------------|
| Data Structures and Algorithms | CSC-20055 | 15 | 1 | unchanged |
| Computational Mathematics with Python | CSC-20059 | 15 | 1 | unchanged |
| Data Analytics and Visualisation | CSC-20065 | 15 | 1 | unchanged |
| Machine Learning | CSC-20067 | 15 | 1 | unchanged |
| Statistical Techniques for data Analytics | CSC-20053 | 15 | 2 | unchanged |
| Cloud Computing | CSC-20057 | 15 | 2 | unchanged |
| Databases | CSC-20061 | 15 | 2 | unchanged |
| Software development | CSC-20063 | 15 | 2 | unchanged |
| Optional modules | Module Code | Credits | Semester | |
| N/A | | | | |

For further information on the content of modules currently offered, including the list of elective modules, please visit: <https://www.keele.ac.uk/recordsandexams/modulecatalogue/>

The module selection website can be accessed here: <https://www.keele.ac.uk/modules/>