**SAMBa Pathway to Research** – application process

To apply for the Pathway to Research scheme, please read the information below and send an application to [samba@bath.ac.uk](mailto:samba@bath.ac.uk). Promising applicants will be invited to visit the University of Bath before a decision is made\*.

The Pathway to Research consists of:

1. A research placement of 8 weeks working with an academic from Maths at Bath – the SAMBa team will facilitate you finding a suitable supervisor.
2. The MSc Mathematics with Data Science for Industry (<https://www.bath.ac.uk/courses/postgraduate-2023/taught-postgraduate-courses/msc-mathematics-with-data-science-for-industry/>): high level Master’s training plus a 3 month research project, potentially in collaboration with an industry partner\*\*. You should have already applied for the MSc prior to completing this form.
3. Priority access to the SAMBa infrastructure including: participation in flagship Integrative Think Tanks (<https://www.bath.ac.uk/campaigns/integrative-think-tanks/>), which provide training in working with industrial partners on collaborative research ideas; an assigned SAMBa student mentor; personal guidance and support from a faculty of academic experts.

**Applications are welcome from those who have faced barriers to making academic progress. These could include significant caring responsibilities, the need to work during your degree, a lack of access to fundamental mathematics courses (e.g. Further Maths A level), having had a restricted choice of location for your undergraduate degree, amongst other things**.

**Please respond to the following questions:**

1. Have you submitted your application to the MSc for Mathematics with Data Science for Industry? Please provide your reference number
2. Describe your mathematical journey so far (approximately 250 words) including barriers you have faced.
3. We hope those on the Pathway to Research scheme will help inspire future mathematical researchers. How would you aim to do this (approximately 250 words)?
4. Which broad area(s) of mathematics are you interested in exploring (choose up to two)?
5. Statistics
6. Data Science
7. Numerical Methods
8. Probability
9. Mathematical Biology
10. Continuum Mechanics
11. Analysis
12. Would you like to be considered for a £10,000 bursary to support yourself whilst registered on the scheme?

\*If selected to attend a further discussion, reasonable travel costs will be covered.

\*\*The MSc incurs fees ([https://www.bath.ac.uk/corporate-information/faculty-of-science-taught-postgraduate-tuition-fees-2023-24/](https://www.bath.ac.uk/corporate-information/faculty-of-science-taught-postgraduate-tuition-fees-2022-23/)) but there are Government loans which can help to cover costs: (<https://www.gov.uk/funding-for-postgraduate-study>).