**FSE Bicentenary PhD Programme**

**Project Proposal for Studentships to commence in 26/27**

**Please attach the project proposal form to the** [**Bicentenary Studentship application form**](https://forms.office.com/Pages/ResponsePage.aspx?id=B8tSwU5hu0qBivA1z6kadwjQS0my9mZCnttlEcgyxOJUM1UzWUFLUEhIVElGUktSMzRVWVA3UzRWUiQlQCN0PWcu)**:**

**Application deadline: 19th September 2025**

**Project title**

**Project Strategic Theme/s** (Please tick all that apply)

|  |  |  |  |
| --- | --- | --- | --- |
| **Primary Theme** |  | **Secondary Theme** |  |
| Digital and AI |  | AI for Science |  |
| Quantum Science and Technologies |  |
| Robotics |  |
| Environment and Climate Change |  | Catalysis |  |
| Future Clean Energy |  |
| Materials for the Energy Transition |  |
| Health Inequalities |  | Bioelectronics |  |
| Ecotoxicology |  |
| Creative Industries |  | Digital Infrastructure |  |
| Discovery Research |  |  |  |

**Supervisory team** – should total 100%(see [PGR Supervisory expectations](https://www.se.manchester.ac.uk/doctoral-academy/supervisors/))

|  |  |
| --- | --- |
| **Primary Supervisor Name** |  |
| School/Department |  |
| % split of supervision |  |
| Position(Delete as appropriate) | Confirmed / Probationary |
| Does your contract extend beyond the PGRs expected registration period | **YES / NO** |
| Number of funded studentships received in the past year (PhDs starting Oct 2025) - include all Faculty-funded/managed programmes and ad hoc studentships; |  |

**Ensure the expected contribution for each Co-Supervisor to justify their inclusion within the Supervisory Team is stated** *(add rows for more co-supervisors if necessary)*

|  |  |
| --- | --- |
| **Co-Supervisor 1 Name** |  |
| Faculty/School/Division |  |
| Position(Delete as appropriate) | Confirmed / Probationary |
| % split of supervision |  |

|  |  |
| --- | --- |
| **Co-Supervisor 2 Name** |  |
| Faculty/School/Division |  |
| Position(Delete as appropriate) | Confirmed / Probationary |
| % split of supervision |  |

**Does the project have ethical implications or involve highly sensitive work? If yes, provide details on approvals required** (150 words maximum)

**It is the supervisor’s responsibility to consider any Export Controls requirements. Please confirm that Export Controls have been fully considered following the steps outlined on the Regulatory Compliance Team webpages and any necessary steps taken. (**[**https://www.staffnet.manchester.ac.uk/export-controls-info/explained/**](https://www.staffnet.manchester.ac.uk/export-controls-info/explained/)**). *Please indicate if an Export Controls licence is required.***

(150 words maximum)

**Project description** (1 page maximum)

Include details on the project, outlining the objectives, methods and potential outcomes. Include details of how the PGR will be supported and training/techniques to be provided.

**ADVERTISING INFORMATION**

If your project is shortlisted for advert the following information will be used for the project advert

**Project description** (max 500 words)

**Subject experience of candidates** (indicate the prior degree subject area and/or professional experience needed to conduct this research to be included in the advert)

Default:

Applicants are expected to hold (or about to obtain) a minimum upper second-class undergraduate honours degree (or equivalent) in a relevant subject area. Research experience in XX is desirable.

**Complete the table below detailing the areas you would like your project to be advertised under on FindAPhD** (maximum of 10 areas)

|  |  |  |  |
| --- | --- | --- | --- |
| **Earth and Environmental Sciences** |  |  |  |
| Climate Science |  | Meteorology |  |
| Hydrology |  | Pollution |  |
| Marine Sciences |  | Soil Science |  |
| Applied Geology |  | Geochemistry |  |
| Geophysics |  | Geoscience |  |
| Geotechnology |  | Hydrogeology |  |
| Marine Geology |  | Palaeontology |  |
| Seismology |  | Volcanology |  |
| Earth and Environmental Sciences |  |  |  |
|  |  |  |  |
| **Physics and Astronomy** |  |  |  |
| Acoustics |  | Astronomy |  |
| Astrophysics |  | Chemical Physics |  |
| Computational Physics |  | Elecromagnetism |  |
| Environmental Physics |  | Experimental Physics |  |
| Medical Physics |  | Nuclear Physics |  |
| Optical Physics |  | Particle Physics |  |
| Quantum Mechanics |  | Solid-state Physics |  |
| Space Science |  | Semiconductors |  |
| Theoretical Physics |  | Other |  |
|  |  |  |  |
| **Chemistry** |  |  |  |
| Analytical Chemistry |  | Petrochemical Chemistry |  |
| Applied Chemistry |  | Pharmaceutical Chemistry |  |
| Computational Chemistry |  | Physical Chemistry |  |
| Environmental Chemistry |  | Polymer Chemistry |  |
| Industrial Chemistry |  | Structural Chemistry |  |
| Inorganic Chemistry |  | Synthetic Chemistry |  |
| Organic Chemistry |  | Other |  |
|  |  |  |  |
| **Computer Science** |  |  |  |
| Artificial Intelligence |  | Internet of Things |  |
| Computer architectures |  | Machine Learning |  |
| Computer Vision |  | Networks |  |
| Computer Graphics |  | Quantum Computing |  |
| Cyber Security |  | Software Engineering |  |
| Data Science |  | Videogames |  |
| Human Computer Interaction |  | Other |  |
|  |  |  |  |
| **Engineering** |  |  |  |
| Acoustics Engineering |  | Fluid Mechanics |  |
| Aerospace Engineering |  | Gas Engineering |  |
| Atomic Engineering |  | Geotechnical Engineering |  |
| Automotive Engineering |  | Integrated Engineering |  |
| Bioengineering |  | Manufacturing Engineering |  |
| Biomedical Engineering |  | Marine Engineering |  |
| Chemical Engineering |  | Mechanical Engineering |  |
| Civil Engineering |  | Mechanics |  |
| Communications Engineering |  | Mechatronics |  |
| Control Systems |  | Nanotechnology |  |
| Cybernetics |  | Offshore Engineering |  |
| Dynamics |  | Petroleum Engineering |  |
| Electrical Engineering |  | Robotics |  |
| Energy Technologies |  | Solid Mechanics |  |
| Environmental Engineering |  | Structural Engineering |  |
| Structural Mechanics |  | Systems Engineering |  |
| Thermodynamics |  | Other |  |
|  |  |  |  |
| **Mathematics** |  |  |  |
| Applied Mathematics |  | Medical Statistics |  |
| Applied Statistics |  | Operational Research |  |
| Computational Mathematics |  | Probability |  |
| Data Analysis |  | Pure Mathematics |  |
| Engineering Mathematics |  | Statistics |  |
| Mathematical Modelling |  | Stochastic Processes |  |
|  |  |  |  |
| **Business and Management** |  |  |  |
| Business |  | Economics |  |
| e-Business |  | Marketing |  |
| Management |  | Project Management |  |
|  |  |  |  |
| **Materials Science** |  |  |  |
| Ceramics |  | Polymers |  |
| Glass |  | Textiles |  |
| Metallurgy |  | Other |  |
|  |  |  |  |
| **Biological Sciences** |  |  |  |
| Biochemistry |  | Cancer Biology |  |
| Biophysics |  | Cell Biology |  |
| Biotechnology |  | Ecotoxicology |  |
| Molecular Biology |  | Environmental Biology |  |
| Ecology |  | Other |  |
| Evolution |  |  |  |