

New Route PhD program in UK

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Our team

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Research degree at Brunel University

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The screenshot shows a web browser window with the URL www.brunel.ac.uk/research/research-degrees-at-brunel. The page features a dark blue navigation bar with links for 'Intranets: Students & Staff', 'Colleges & Institutes', 'Services', and 'Alumni'. Below this is the Brunel University London logo and a search bar. A secondary navigation bar includes 'Courses', 'Campus Life', 'Research', 'Business', 'International', 'News & Events', and 'About Brunel'. The 'Research' menu is expanded to show 'Research Institutes', 'Research Centres', 'Academic Profiles', 'Research Degrees', 'Research Areas', 'News', and 'REF 2014 & Case Studies'. The main content area has a left sidebar with 'Research Degrees' highlighted, containing links for 'Fees', 'Apply Online', 'Research Training and Support', 'Programme Structure', 'Doctorate in Public Health', and 'Brunel Integrated PhD (New Route)'. The main text area includes a breadcrumb trail 'Home » Research » Research Degrees', a heading 'Research Degrees', and three paragraphs of introductory text. A 'PhD' section follows, describing the traditional PhD process. On the right, there is a photograph of a man sitting at a table in a modern, bright interior, with a caption 'Research Degrees' and 'Indra is studying for a PhD in the Law School'.

www.brunel.ac.uk/research/research-degrees-at-brunel

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Research Degrees

Fees

Apply Online

Research Training and Support

Programme Structure

Doctorate in Public Health

Brunel Integrated PhD (New Route)

Home » Research » Research Degrees

Research Degrees

Research students are welcomed to Brunel as valued members of our thriving, research-intensive community.


A research degree provides the opportunity to investigate a topic in depth, and contribute new knowledge to your discipline, and there are opportunities to study for a PhD (or MPhil) in all academic Colleges and Research Institutes across the University.

Professional Doctorates and the Brunel Integrated PhD (New Route) enhance the doctoral experience through the inclusion of an integral taught programme, and are offered in a number of subject specialisations.

Taught Masters of Research (MRes) degrees are also offered in some disciplines as a preparation for a research degree.

PhD

The 'traditional' PhD involves an in-depth exploration of a research topic. The degree is awarded to students who demonstrate (through a written thesis and Viva Voce examination) knowledge and understanding of their discipline together with a distinct and original contribution to knowledge within that discipline.



Research Degrees

Indra is studying for a PhD in the Law School

Experience in PhD studies: Case study of Electronic and Computer Engineering department

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- Currently 212 full time PhD students
- Last year 55 students successfully completed PhD
- High completion rate for research students
- **PhD students population:** majority of international students
- There are two types of students:
 - Funded students with fixed topics
 - Funded students without fixed topics
 - Unfunded students

PhD funding

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Funded PhD

- Fixed topic
- Fixed duration for completion

Unfunded PhD

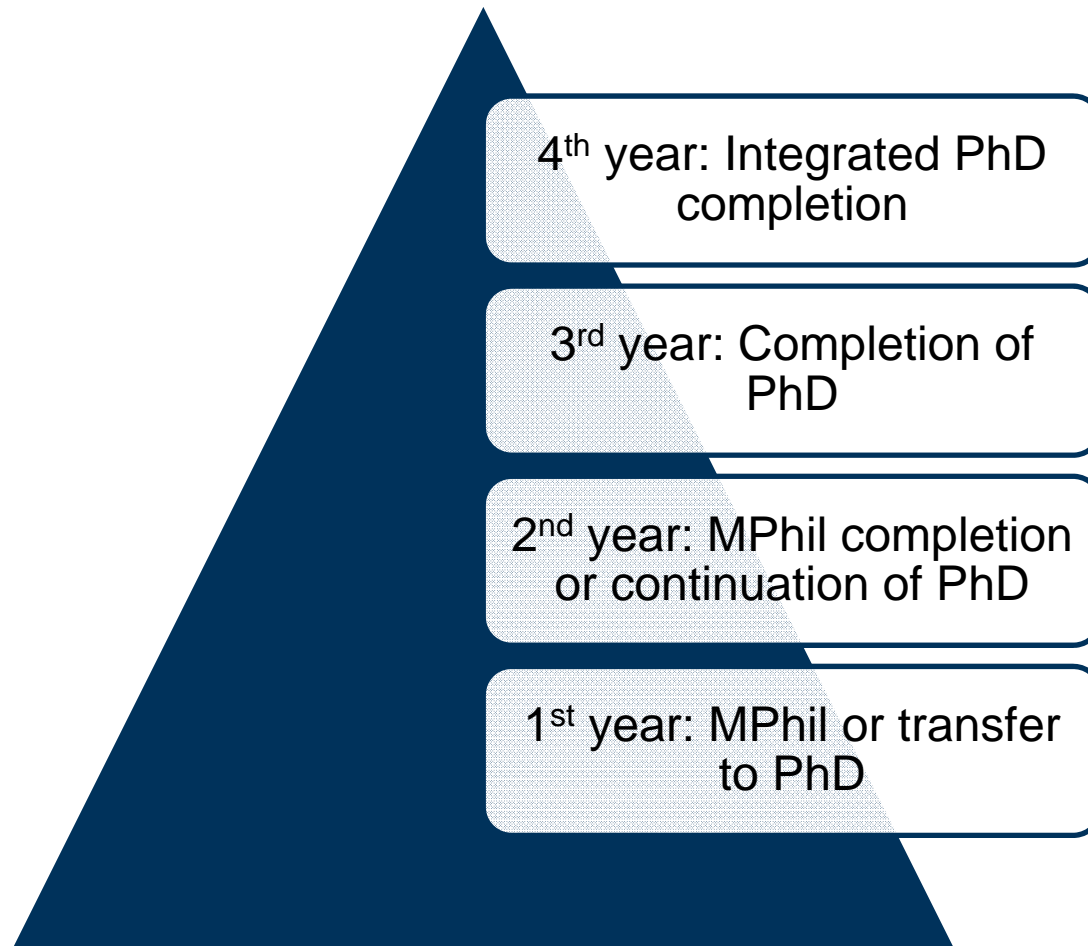
- Flexible topic
- Maximum 4 years for completion of PhD

Integrated PhD

- Minimum duration 4 years
- Integrated Postgraduate certificate
- PhD / Mphil degree

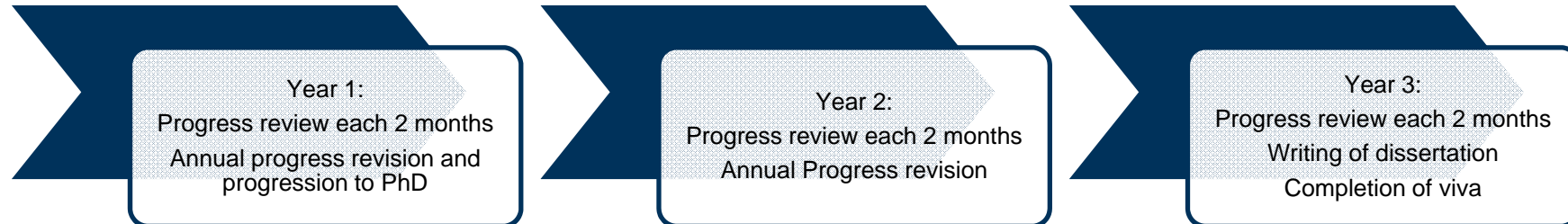
Research degree structure

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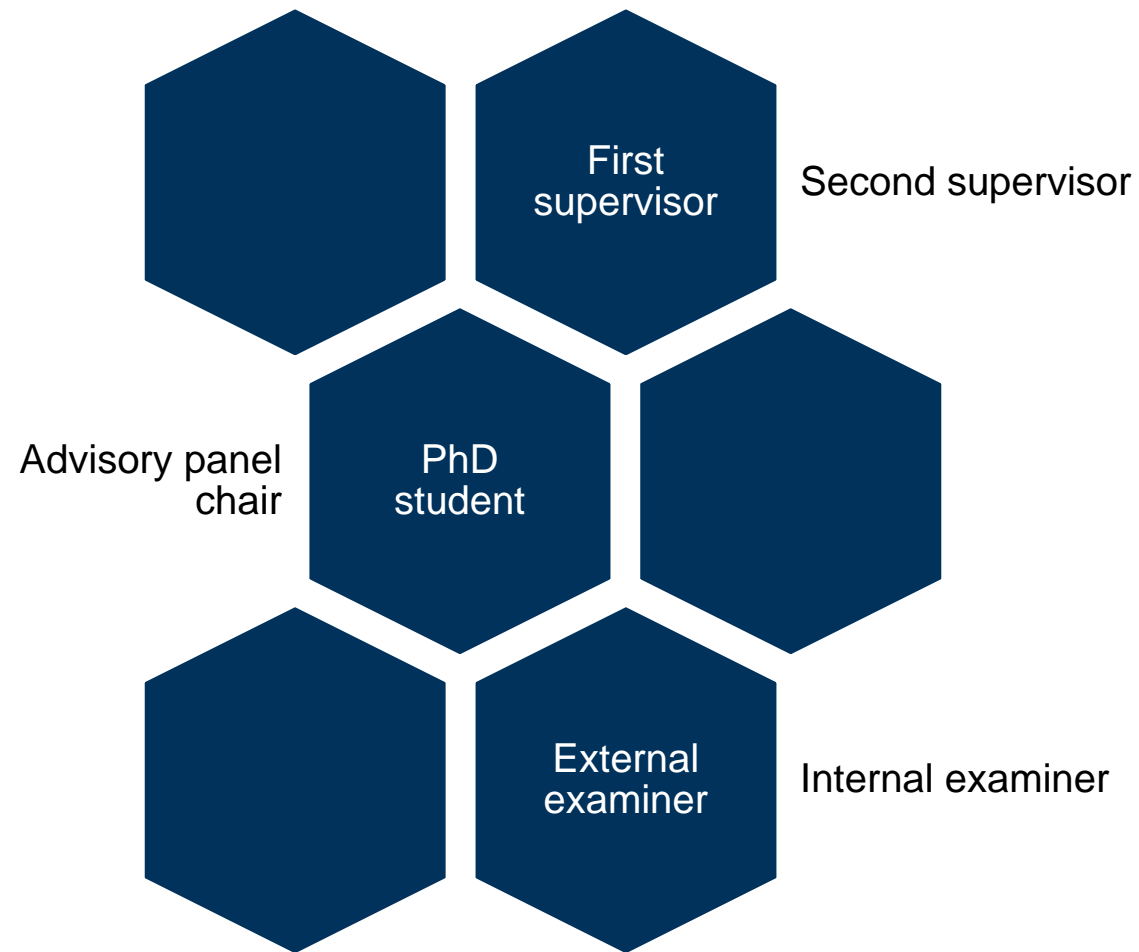
PhD timeline: Quality assurance

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PhD supervision process

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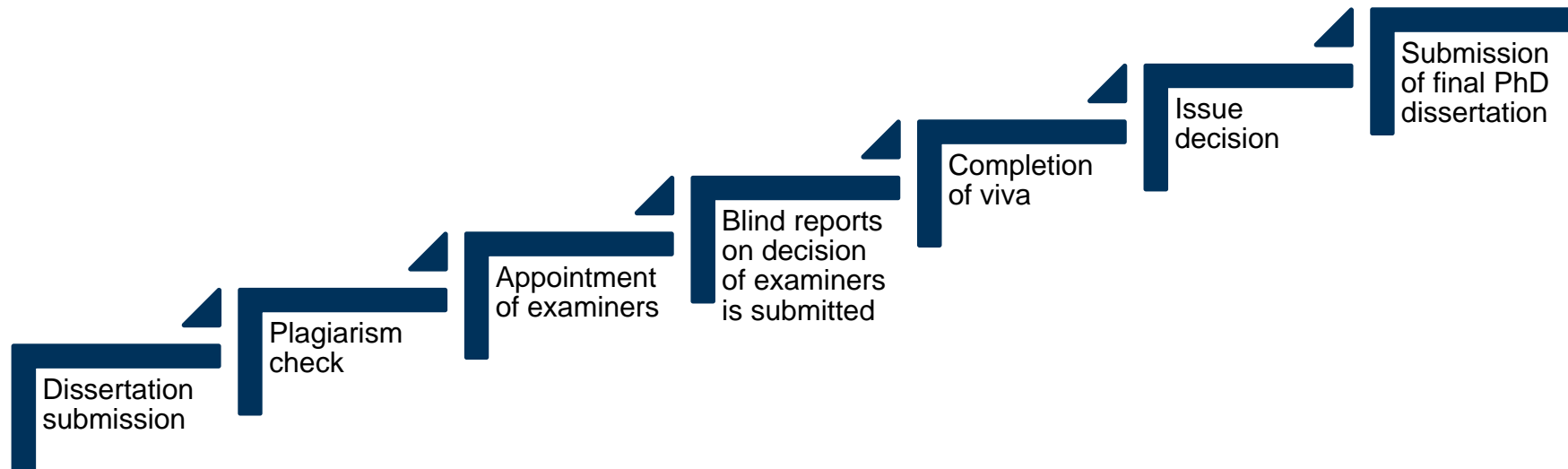
Quality assurance

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- Plagiarism check
- The number of high quality published research papers
- Originality of topic is provable and clearly defined
- Corresponding performance during viva
- Submitted PhD dissertation is revised after viva (subject to approval by examiners) prior publication

Viva process

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Viva panel

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- PhD student
- External examiner (overall examination)
- Internal examiner (overall examination)
- Chair of panel (ensures that all regulations of University have been followed)
- First PhD supervisor (by invitation of PhD student, has no rights to speak during viva)

Viva decisions

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- PhD degree with minor corrections (submission of PhD within 3 months)
- PhD degree with major corrections (submission of PhD within 12 months)
- Reject award of degree

- Introductory sessions
- Organised the necessary courses
- Language courses
- Writing courses
- Representation of PhD students at decision making committees

NewRoutePhD™

- developed with full support of the UK Government, the Higher Education Funding Council of England (HEFCE) and the British Council
- an integrated programme of postgraduate training which combines research with a structured programme of advanced training in discipline specific and generic skills
- is designed to place students in an enhanced learning environment, where their achievements in research are underpinned by a structured programme of formal training
- equips independent researchers with the personal and transferable skills required to make a significant contribution to their chosen field

Why the New Route PhD?

Whether as professional educators, researchers or business leaders, the high level of training on this course will give you a distinctive competitive edge when entering the world of work.

New Route PhD students benefit from:

- an individually designed structured research programme
- explicit training in effective research skills
- acquisition of generic skills, including leadership and enterprise
- high likelihood of completion within timeframe
- development as an independent researcher
- enhanced student support and guidance throughout the PhD
- award of Postgraduate Diploma in addition to the PhD

Programme structure

- Generic training in professional and personal skills is provided throughout the programme.
- Taught masters level courses provide advanced theoretical and practical research skills to ensure a secure knowledge of the research area.

The development of thesis

- supported and guided by two supervisors who will be academics working in specialised area
- assigned a programme coach from the Graduate School
- regular 3-way Advisory Panel meetings (comprising programme coach, supervisor and research student) provide continual review of your training needs and achievements.
- regular Group Development Meetings take place between the programme coach and student cohort as a whole.

Taught programme

- promote critical analysis, independence of thought, an awareness of broader issues which create an impact on the environment of research and an understanding of subject-specific knowledge at the forefront of your discipline

Taught Part

Successful completion of modules

Postgraduate certificate

Research Part

Successful completion of viva

PhD degree

New Route PhD Modules

Module Title	ECTS Credits
Theory and Practice in Research	7.5
Research Design, Methods and Analysis (Behavioural/Physical Sciences)	15
Research Management, Leadership and Personal Development	7.5
Academic Research Dissemination	7.5
Knowledge Exchange and Research Impact	7.5
Guided Study or Subject-specific modules	15
Total	60

Discipline-specific modules: Electronic and Computer Engineering

- Data Communications
- Computer Networks
- Coding for compression and data security
- Network planning
- Satellite Optical and Mobile Communication
- Multi-media Systems and Web Technology
- Computer Architecture
- Object-oriented Design
- Software Engineering
- Parallel Computer Architecture
- Distributed Systems

Brunel contribution to NETCENG

Core curricula

Systems modelling and simulation

> 5 ECTS, 30 contact; 90 hours student workload

Power Electronics & Systems

> 3 ECTS, 46 contact hours; 30 hours students workload

Materials Science and Solidification Processing

> 2 ECTS, 20 contact hours; 20 hours student workload

Transferable curricula

Theory and Practice in Research

> 2 ECTS, 24 contact, 30 hours student workload

Next steps...

NETCENG Summer School in London



- > The practical and theoretical issues raised from delivery of the modules will be considered in details.
- > The laboratory work for selected modules will be organised.

Any Questions?

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