

Mapping of Graduate Courses to the Professional Competencies for Membership and CBiol.

Requirements: M = Mandatory, O = Optional and R = Recommended

| Course Title | Mapping | Year | Comp. |
|---|----------------|----------------------------------|-------|
| Research Communication Programme | | | |
| Thesis Writing Retreat | O | 3 rd | 10 |
| Developing and producing your research: A Scientific Approach to Research Communication | O | 1 st | 10 |
| Developing and producing your research: Literature Review | M | 1 st | 11 |
| Developing and producing your research: Publication | O | Any | 10 |
| Developing and producing your research: Thesis | M | 2 nd /3 rd | 10 |
| Developing and producing your research: Grant Application | O | Any | 12 |
| Developing and producing your research: Understanding the Manuscript Review Process | O | Any | 11 |
| Developing and producing your research: Critical Thinking for communication | O | Any | 11 |
| Perfecting Presentations: Poster Top Tips | O | 1 st | 10 |
| Perfecting Presentations: Present your Poster! | M | 1 st | 10 |
| Perfecting Presentations: Conferences and Seminars | M | 2 nd | 10 |
| Perfecting Presentations: Advanced Presentations | M | 3 rd | 10 |
| Research Impact Programme | | | |
| Impact & Influence Retreat | O | 2 nd | 12 |
| Impact in Academia: Building your Research Profile and Vision | R | 2 nd /3 rd | 12 |
| Impact in Academia: Understanding UK Higher Education landscape | O | Any | 12 |
| Impact in Academia: Making an Impact | R | 2 nd /3 rd | 12 |
| Impact in Academia: Understanding and Developing Assertiveness | O | Any | 12 |
| Societal Engagement: Public Engagement | O | Any | 4 |
| Societal Engagement: Communicating Research in Schools | O | Any | 4 |
| Societal Engagement: Evaluating Engagement | O | Any | 4 |
| Societal Engagement: Patient and Public Involvement in Research | O | Any | 4 |
| Research Computing and Data Science Skills Programme | | | |
| Data Science: Basic Statistics | R | Any | 7 |
| Data Science: Introduction to Sampling & Hypothesis Testing | O | Any | 7 |
| Data Science: Regression Modelling | O | Any | 7 |
| Data Science: R programming | O | Any | 7 |
| Data Science: Introduction to Stats and SPSS | O | Any | 7 |
| Data Science: Data processing with Python pandas | O | Any | 7 |
| Data Science: Data exploration and visualisation | R | Any | 7 |
| Research Computing: The Linux Command Line for Scientific Computing | O | Any | 6 |
| Research Computing: Introduction to HPC at Imperial | O | Any | 6 |
| Research Computing: Introduction to LaTeX | R | Any | 6 |
| Research Computing: Writing Theses in LaTeX | O | Any | 6 |
| Research Computing: Introduction to MATLAB | R ³ | Any | 6 |
| Research Computing: Introduction to Python | R ³ | Any | 6 |
| Research Integrity Programme | | | |
| Ensuring Integrity: Plagiarism Awareness | M | 1 st | 3 |
| Ensuring Integrity: Intellectual Property (online) | O | Any | 3 |
| Ensuring Integrity: Copyright for Researchers | M | Any | 3 |
| Ensuring Integrity: Introduction to making your thesis open access | O | Any | 4/10 |
| Ensuring Integrity: Science, Research and Integrity | M | Any | 3 |
| Information Landscape: Information Retrieval (face-to-face or webinar) | O | Any | 11 |
| Information Landscape: EndNote | O | Any | 7 |
| Information Landscape: Introducing the Web of Science Database | O | Any | 7 |

| | | | |
|---|---|----------------------------------|------|
| Information Landscape: Keeping Your Research Up to Date | M | Any | 7 |
| Information Landscape: Blogs, Twitter, Wikis and other web-based tools | O | Any | 4 |
| Information Landscape: Data Management | M | 2 nd | 7 |
| Information Landscape: Research Data Management Plans (Webinar) | O | Any | 7 |
| Introduction to Philosophy - Knowledge, Truth and Science? | O | Any | 11 |
| Professional Effectiveness Programme | | | |
| Teams & Communication Retreat | M | 1 st | 5 |
| Maximising your Management Skills: Becoming an Effective Researcher | M | 1 st | 5 |
| Maximising Your Management Skills: Time Management for your Doctorate | M | 1 st | 8 |
| Maximising Your Management Skills: Putting Project Management into Action | M | 1 st | 9 |
| Maximising Your Management Skills: Planning & Preparing for your Thesis & Viva | O | Any | 9/10 |
| Understanding Yourself and Others: Introduction to MBTI | O | Any | 5 |
| Understanding Yourself and Others: Introduction to the Clifton Strengths Finder | O | Any | 6 |
| Understanding Yourself and Others: Enhancing Wellbeing for Doctoral Researchers | M | 2 nd | 3 |
| Understanding Yourself and Others: Academic Resilience | O | Any | 3 |
| Understanding Yourself and Others: Enhancing your Leadership Skills | M | 2 nd /3 rd | 12 |
| Professional Progression Programme | | | |
| Finish Up Move On + (FUMO) | M | 3 rd | 6 |
| Progression for your PhD and beyond: Networking for Progressing Your PhD | M | 2 nd /3 rd | 6/12 |
| Progression for your PhD and beyond: Negotiation for Your Doctorate and Beyond | O | Any | 11 |
| Progression for your PhD and beyond: Maintaining your Motivation and Building Independence | M | 2 nd | 9 |
| Progression for your PhD and beyond: Thinking about doing a postdoc? | O | 2 nd /3 rd | 6 |
| Progression for your PhD and beyond: Ask the Doctor: your Chance to Chat with a Doctoral Graduate at Work | O | 2 nd /3 rd | 6 |
| Careers: An Introduction to Career Planning for 1st Year PhDs: Business, Engineering & Physical Sciences Or Careers: An Introduction to Career Planning for 1st Year PhDs: Life Sciences & Medicine | M | 1 st | 6 |
| Careers: Effective CVs and Applications | O | Any | 6 |
| Careers: Job Search with a Difference | O | Any | 6 |
| Careers: Preparing for Interviews | O | Any | 6 |
| GTA Programme | | | |
| Teaching: Introduction to Learning and Teaching | O | Any | 6 |
| Teaching: Introduction to Assessment and Feedback for Learning | O | Any | 6 |
| Teaching: Microteaching | O | Any | 6 |
| Teaching: Applying for Associate Fellowship (AFHEA) | O | Any | 6/12 |
| Teaching: Introduction to Teaching with Digital Technologies | O | Any | 6 |
| Teaching: Supporting Active Learning in Labs | O | Any | 6 |
| Teaching: Facilitating Learning in Small Groups | O | Any | 6 |
| Teaching: Performative Aspects of Teaching | O | Any | 6 |
| Teaching: Introduction to Pedagogic Research | O | Any | 6 |
| Teaching: Inclusive Learning and Teaching | O | Any | 6 |
| Teaching: GTA Retreat | O | Any | 6 |

| | | | |
|--|----------------|-----------------|------|
| Industry & Enterprise Programme | | | |
| Imperial Grand Challenges Retreats | O | Any | 4 |
| Industry & Enterprise: Enterprising Skills and Entrepreneurial Attributes | O | Any | 6 |
| Industry & Enterprise: Idea Generation: Why Didn't I Think of That? | O | Any | 4/12 |
| Industry & Enterprise: Generating a Business Model Canvas | O | Any | 4/12 |
| Industry & Enterprise: Building an Enterprising Team | O | Any | 5/12 |
| Industry & Enterprise: Pitching to Industry | O | Any | 4/12 |
| Industry & Enterprise: Developing an Entrepreneurial Mindset | O | Any | 4/12 |
| Introduction to Business Programme | | | |
| Introduction to Business: Management Accounting | O | Any | 6 |
| Introduction to Business: Business Strategy | O | Any | 4/12 |
| Introduction to Business: The Entrepreneurial Path | O | Any | 6 |
| Introduction to Business: Organisational Behaviour | O | Any | 6 |
| Introduction to Business: Contemporary Marketing | O | Any | 6 |
| PGREP Training | | | |
| Negotiation skills for Postgraduate Representatives | M ² | Any | 11 |
| Chairing Meetings for Postgraduate Representatives | M ² | Any | 5/12 |
| Understanding and Developing Assertiveness for Postgraduate Representatives | M ² | Any | 12 |
| Understanding the UK Higher Education Landscape for Postgraduate Representatives | M ² | Any | 4 |
| Postgraduate Well-being: Help your Peers | M ² | Any | 3/5 |
| | | | |
| Local Safety Courses and Departmental requirements | M | 1 st | 2 |

M¹ =Attendance at one of these as appropriate to your discipline; M² = Recommended for appointed student representatives; R³ Recommended attendance at one of the programming courses