



Institute of
mathematics
& its applications

Careers in Mathematics

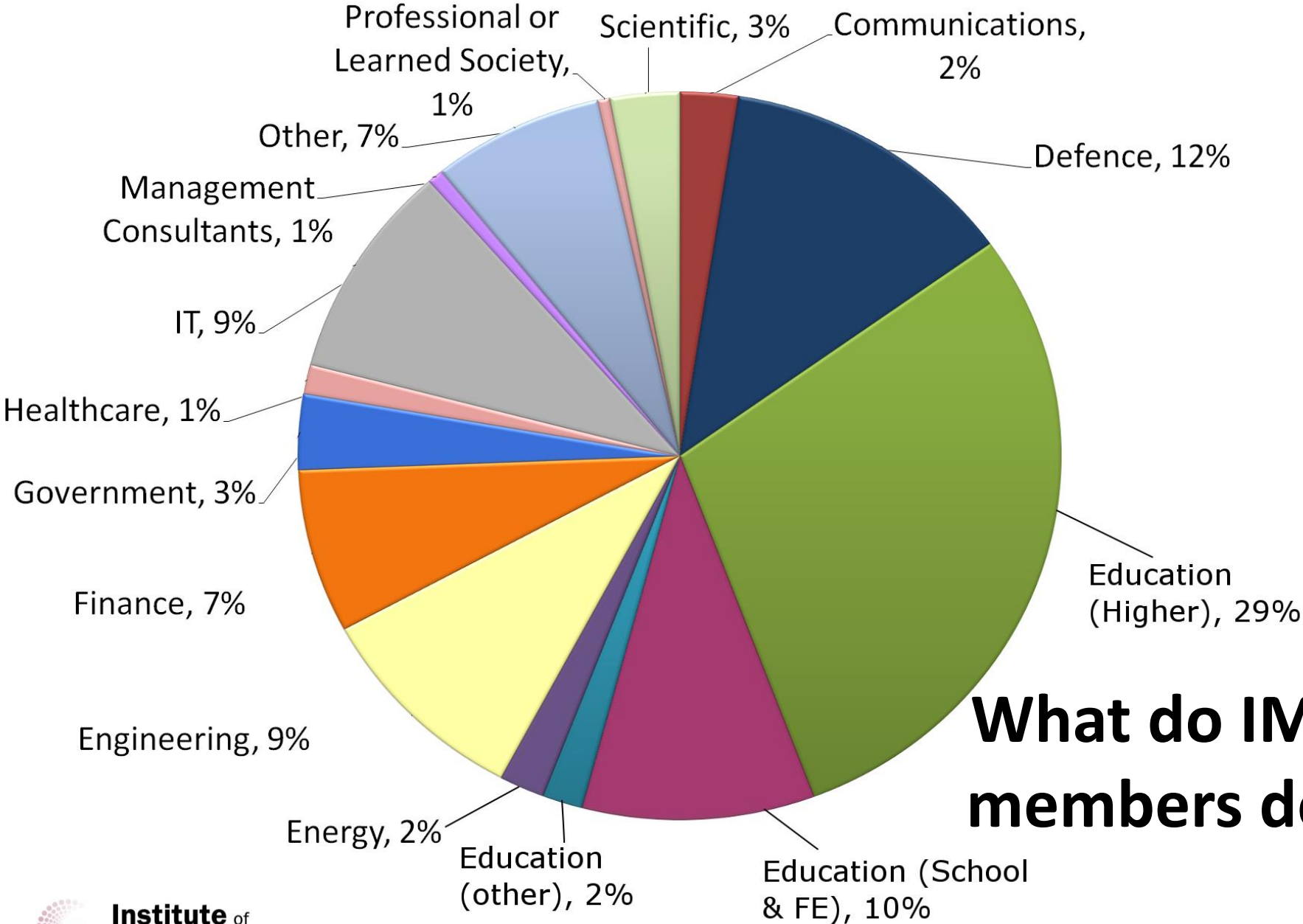
Erica Tyson

University Liaison Officer, IMA

erica.tyson@ima.org.uk



**What do
mathematicians
do?
[www.mathscareers.
org.uk](http://www.mathscareers.org.uk)**



What do IMA members do?



Skills of a Mathematician

**QAA Benchmark Statement for Mathematics, Statistics
and Operational Research (MSOR) graduates**

- **general study skills**
- **independent learning**
- **independent working**
- **pursuing problem solution to conclusion**
- **time-management and organisation**
- **adaptability**
- **general IT skills**
- **transferring knowledge between contexts**
- **logical and analytical problem solving**
- **highly developed numeracy**
- **general communication skills**



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Careers Specific Options with Maths

Further Study, Research, Teaching

IT, Software, CGI, Operational Research

Gov't Statistical, Security Services

Engineering & Engineering Consultancy

Management Consultancy

**Actuarial, Investment, Pensions, Financial
modelling, Product pricing**

Meteorology, Environment

Statistics – Pharma, Health,

Data science/analytics, marketing.



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Careers Open to All Graduates

Accountancy

Banking

Distribution

Insurance

Journalism

Marketing

Public relations

Purchasing

Sales

Administration

IT

Financial Mang't

Leisure/tourism

Human Resources

Retail

Transport

Social Work

Useful sources

- **Careers service – resources, checking CVs/applications, notices of vacancies and opportunities**
- **Careers fairs & Presentations**
- **Alumni, People you know**
- **LinkedIn groups**
- **Company web-sites, annual reports (text)**



Useful sites

Career profiles/advice: www.MathsCareers.org.uk

Academic jobs: www.jobs.ac.uk

Find a PhD: www.findaphd.com

Teaching: <http://www.getintoteaching.gov.uk>

<http://www.scotland.gov.uk/topics/education/schools/teaching/ite>

www.teachfirst.org.uk

Graduate positions: www.prospects.ac.uk

www.jobs.theguardian.com, www.targetjobs.co.uk

www.gradcracker.com

Steps to Postgraduate Study

<http://postgradsteps.hefce.ac.uk/>



Develop a strong CV

Build your CV, Keep it up to date - tailor to fit individual applications

Best subjects, Awards, Prizes

Voluntary experience, Work experience

Team activities – sport/societies/social

Creative/Practical/Languages

Programming skills

Follow the instructions

Long text question – they want detailed answers

Double check for typos/mistakes

- **They want to hire you**
- **Talk to them, back up your application**
- **Know about them – web, annual report, share price/league table position**
- **Use their info, themes – show your experience/enthusiasm fits**
- **Specific concise examples. Situation; Task; Action; Result – Even better if.**
- **Ask questions.**



Internships

Most employers (**except research**) would rather employ a graduate with a 2:1 and evidence of work readiness than a graduate with a 1st and no work experience.

Most universities offer research internships

- Experience work!
- Help you get a job
- Test career choices
- Build networks
- Demonstrates motivation
- Transferrable skills
- Practical examples for CV

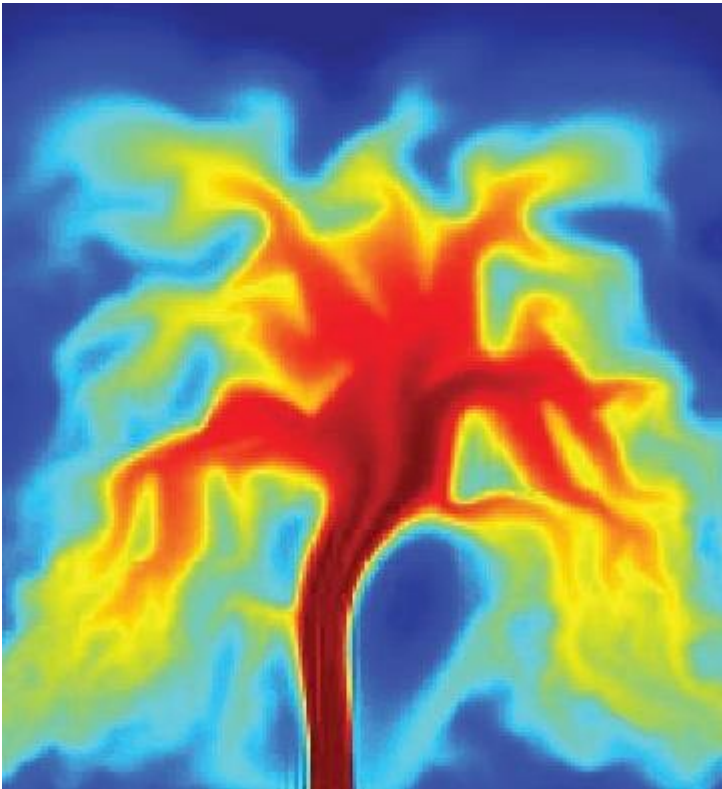


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Who are the IMA?

**Professional Body and
Learned Society for
Mathematicians**

**Recognition
Development
Participation
Information**





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Join the IMA

Free e-Student ([eStudent
Newsletter - IMA](#))

**£10 Student Membership
Magazine, conference
discounts
(www.myima.org.uk)**





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Events coming up
ima.org.uk/events

- **Branch talks (hybrid and free)**
 - www.ima.org.uk/events/talks
 - **Wed 9th March Why Not Getting It Wrong Is Better Than Getting It Right**
 - **Wed 16th March Paradigms for Patterns: Turing's Instability and Mandelbrot's Geometry**
- **Conferences**
 - **5th/6th March Tomorrow's Mathematicians Today (undergraduates) (virtual and free)**
 - **Autumn ECM Conference**
- **Grants**
 - **£400 for Maths Society to organise their own events**



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Benefit of Membership and Participation

**Demonstrates you take
your career and your
development seriously
and supports you in
achieving your goals**

