



**Institute** of  
**mathematics**  
& its applications

# Careers in Mathematics

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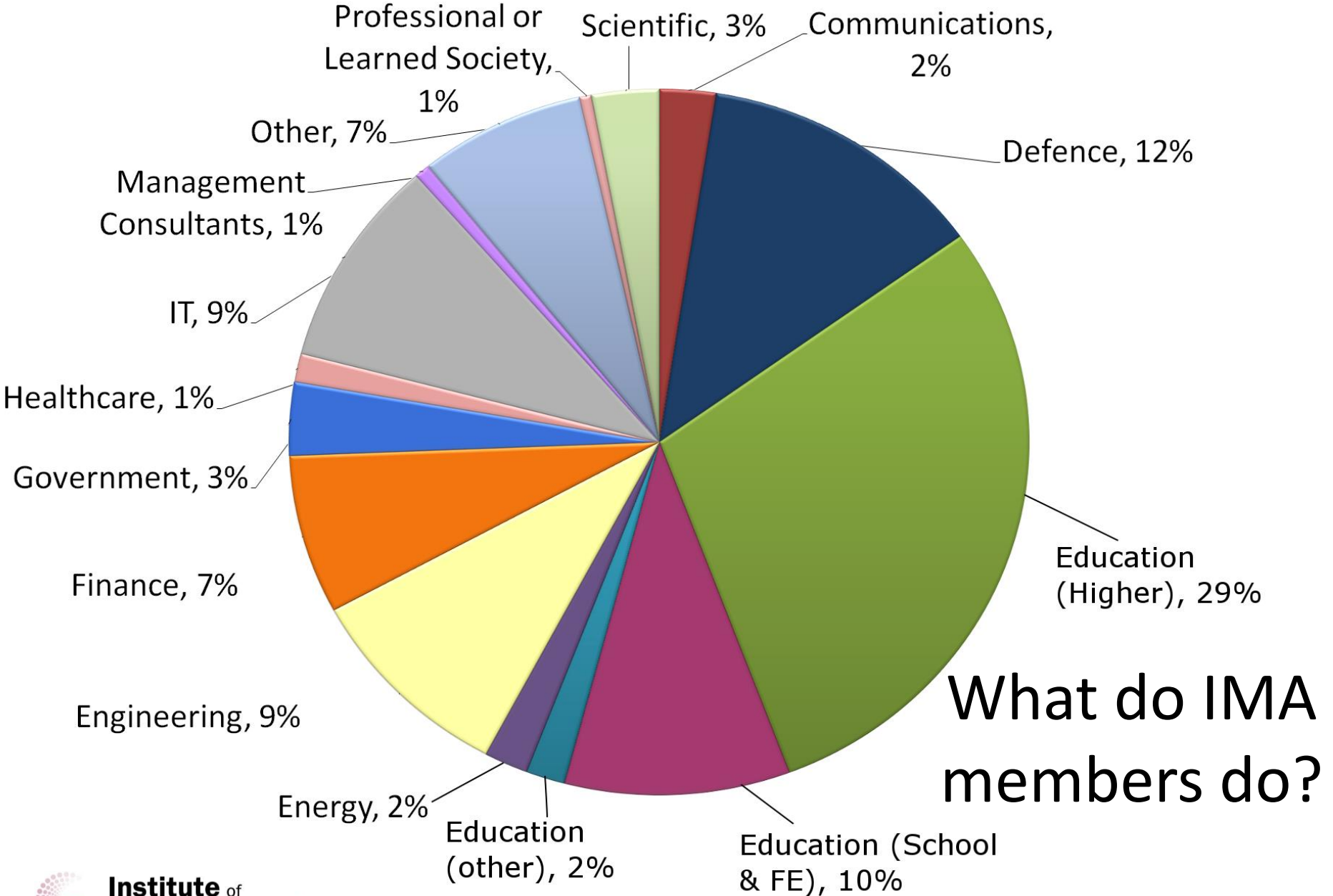
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**What do  
mathematicians  
do?  
[www.mathscareers.  
org.uk](http://www.mathscareers.org.uk)**



# 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.**

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



# 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**



# Internships

Most employers (**except research**) agree they would rather employ a graduate with a 2:1 and evidence of work readiness than a graduate with a first class degree and no work experience at all.

- Help you get a job
- Sample your preferred career
- Test career choices
- Build networks
- Experience work!
- Demonstrates passion and motivation
- Transferrable skills
- Practical examples
- Content for CV

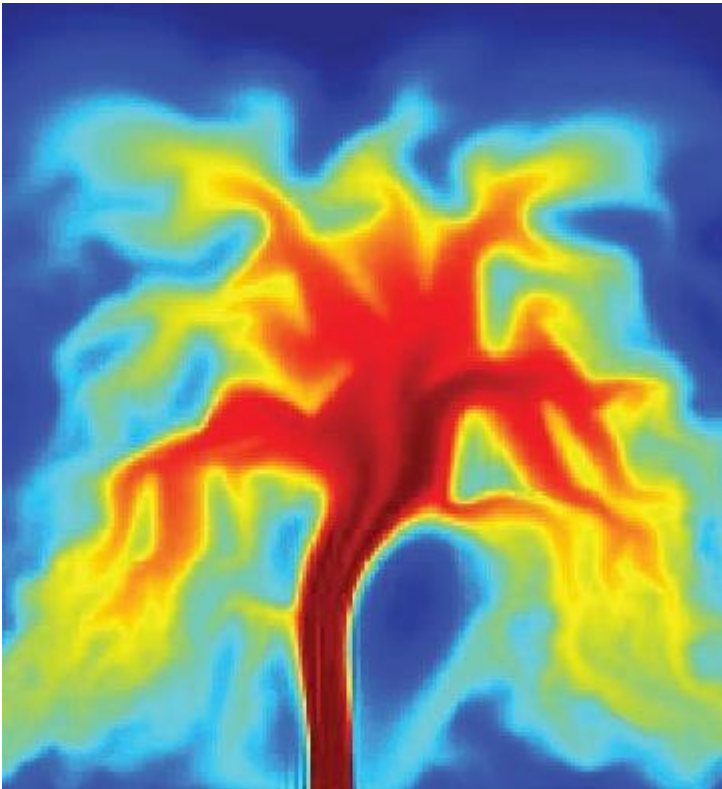


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# Who are the IMA?

**Professional Body and  
Learned Society for  
Mathematicians**

**Recognition  
Development  
Participation  
Information**





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# Join the IMA

**Free e-Student (fill in  
the sign-up sheet)**

**Student Membership  
£10 – Magazine,  
better conference  
discounts (myIMA)**

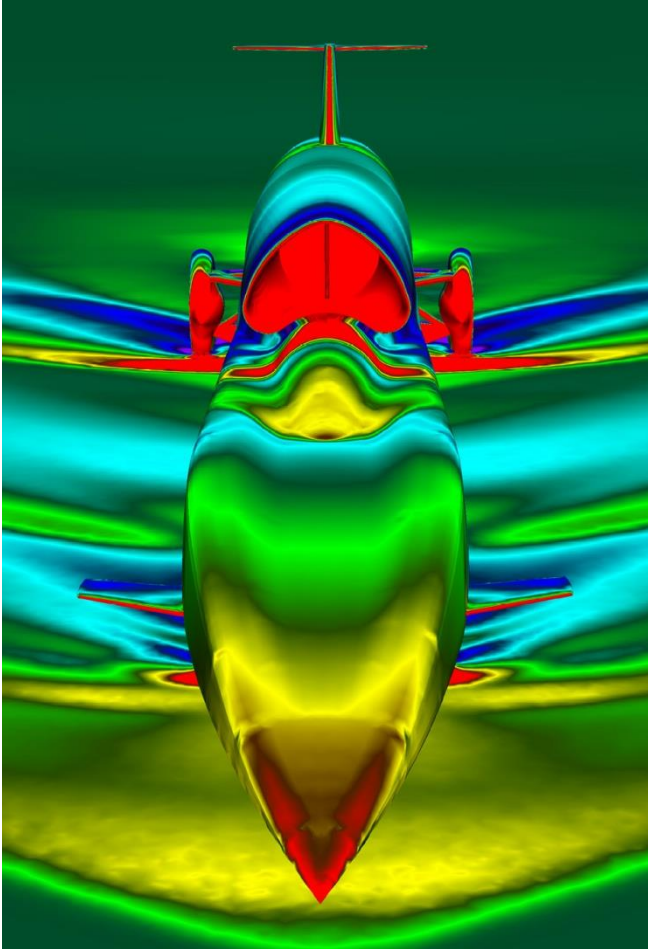




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# **Benefit of Membership and Participation**

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





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## Useful sites

**Career profiles/advice:** [www.MathsCareers.org.uk](http://www.MathsCareers.org.uk)

[www.icould.com](http://www.icould.com)

**Academic jobs:** [www.jobs.ac.uk](http://www.jobs.ac.uk)

**Find a PhD:** [www.findaphd.com](http://www.findaphd.com)

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

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

[www.teachfirst.org.uk](http://www.teachfirst.org.uk)

**Graduate positions:** [www.prospects.ac.uk](http://www.prospects.ac.uk)

[www.jobs.theguardian.com](http://www.jobs.theguardian.com), [www.targetjobs.co.uk](http://www.targetjobs.co.uk)

[www.gradcracker.com](http://www.gradcracker.com)

**Steps to Postgraduate Study**

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