Careers for Mathematicians

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UNIVERSITY OF SUSSEX
The education and skills landscape

The economics of maths graduates

Skills are a priority: what we do at Sussex
  - our degrees
  - our teaching
  - our research

What our recent maths graduates have done

Outcomes from Sussex
So you’ve got a maths degree but what next?

Financial services & related activities?

Teaching?

Operational research
The reality is that maths is behind so much of what we take for granted.
Economic growth becoming more securely based and employment is on a rising trend.

Most jobs created in the decade to 2022 will be high skilled ones.

Equipping young people with the skills and attitudes to make a smooth transition into the workplace and to continue learning is essential to respond to the changing pattern of demand for skills.

A degree in a STEM subject gives graduates a clear advantage with 2 out of 5 employers saying they prefer STEM graduates.
University graduates still enjoy a large earnings advantage over non graduates: 28% more for men and 53% more for women.

Maths graduates earn on average £25,902 pa: one of the highest of all graduates behind dentistry and engineering.

Maths graduates earn approximately 23% more than the average.
Skills are a priority: what we do at Sussex

Good links to industry: we run careers talks and events with input from industry.

Research led teaching: our students learn in an environment where knowledge is not just being taught but created.

Small friendly department and accessible faculty ensures students reach full potential.

Our courses are designed to encourage curiosity, develop a wide range of skills sought after by employers.

We offer all students the opportunity of a work placement or study abroad.
Our teaching and research

- We teach through lectures, workshops, presentations, e-learning and projects

  Presentations – help prepare for future presentations at work

  Project – independent final year project

- We offer MMath courses giving the flexibility to take studies as far as students wish and research placements for the most capable
With rigorous preparation from Sussex, our students are in high demand.

Our degrees empower students to make good choices.

Our graduates have the skills and knowledge to prosper – first jobs become careers.

**Recent graduates have taken up posts at:**
- IBM UK ltd
- Rakuten Attribution
- University of Oxford
- Deloitte LLP
- American Express
- KPMG
- PwC
- Thomson Reuters
- Cable & Wireless
- Fujitsu Services Ltd
- HBOS
- Siemens IT Solutions & Services Ltd
- Cardinal Newman Catholic School, Hove
Outcomes from Sussex

Mathematics at Sussex is now ranked 3rd in the UK for graduate prospects (2016 Times/Sunday Times University Guide)

<table>
<thead>
<tr>
<th>University</th>
<th>% in employment or further study</th>
</tr>
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<tbody>
<tr>
<td>Oxford</td>
<td>86.5</td>
</tr>
<tr>
<td>Warwick</td>
<td>83.5</td>
</tr>
<tr>
<td>Exeter</td>
<td>82.7</td>
</tr>
<tr>
<td>Bristol</td>
<td>81.6</td>
</tr>
<tr>
<td>Sussex</td>
<td>88.1</td>
</tr>
</tbody>
</table>

Destination of Sussex Maths Graduates 2014

- Financial services
- Information and communication
- Professional, scientific & technical
- Education
- Other
Academic
Accountant
Auditor
Actuarial Analyst
Actuary
Administrator
Advanced Skills Teacher
Air traffic controller
Analyst
Analyst Programmer
 Animator
Apple Mac Business Consultant
Application Developer
Application Maintenance Application Support Analyst
Applications Manager
Architect (Software of Methods)
Area Sales Manager
Asset Management
Assistant Auditor
Assistant Manager
Assistant Manager, Arrears Strategy & Forecasting
Assistant Principal
Assistant Treasurer
Associate Professor
Asst Director HR
Astronaut
Attorney
Audit Executive
Audit Manager
Bank Clerk
Bank Clerk - Legal Dep. Bank Manager
Branch Manager
Broker
Budget analyst
Business Analyst
Cabin Crew
Calculations Technician
Cartographer
Chartered Accountant
Chartered Engineer
Chemist
Chief Operating Officer
Chief Systems Manager
Chief Technical Officer
Chief Technology Officer
Civil Servant
Clerk
Climatologist
College Lecturer in Maths
Computer Analyst
Computer Consultant
Computer scientist
Computer Systems Analyst
Computer Sys. Designer
Credit Control
Credit Officer
Croupier
Crypt Services Manager
Customer Services Engineer
Customer Support Consultant
Database Administrator
Database Analyst
Database Assistant
Database Developer
Database Marketing Assis.
Database Team Leader
Database Manager
Derivatives Specialist
Derivatives Trader/Market
Design Consultant
Financial Controller
DPhil Statistics / Tutor Mathematics
East European Research Consultant
e-business Analyst
Economist
Economics Lecturer
Editor- Al Practitioner Journal Assistant/Editor
Educational Psychologist
EMEA Reporting Manager
Employment Adviser
European Risk Director
Examiner
Financial Advisor
Financial Analyst
Financial Analyst/Man. Accountant
Financial Controller
Football Dealer
Forecasting Manager
Foreign Exchange Dealer/ Analyst
Forensic Sciences
FPG Accountant
Freelance Education Consultant
Fund Manager
Game Programmer
General Sales Manager
General Store Manager
Geodetic Surveys Ltd
Geologist
Gold Mine Consultant
Graphic designer
Hydrologist
Lecturer – Maths
Lecturer – Statistics
Life Assurance Salesman
Liquidity Analyst MSc (Further Studies)
Major Account Executive
Management Accountant
Marketing Manager
Marketing Risk Manager
Medical Statistician
Operation Research Analyst, Sales Development
Operational Control Man.
Operational Research Analyst
Operations Director
Operations Manager
Operations Strategy Manager
OR Consultant
PhD Student Mathematics
Placement Advisor
Planning Officer
Political scientist
Portfolio Manager
Post Office Clerk
Primary Teacher
Project Manager
Property Investor
Property management
Quantitative financial market analyst
Recruitment Consultant
Regional Pricing Actuary
Remuneration and benefits analyst
Research Director
Research Fellow -Physics and Astronomy
Research Manager
Researcher
Resource Manager
Risk Analyst
Sales Account Manager
Scientific Officer
Scientist
Security analyst
Software Consultant
Software Engineer
Statistician
Stockbroker
Systems Consultant
Systems Developer
Systems Engineer
Systems Engineer
Systems Integration Manager
Tax Consultant
Tax Manager
Teacher
Technical writer
Urban planner
Web Developer