

# Is your daughter considering a career in healthcare?



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**Head of Widening Participation**

# Why a career in healthcare?

- Working with people
- Interested in science and healthcare, anatomy and the human body
- Challenging, rewarding
- Practical, hands on and every day is different
- Job security & a career/skills you can use across the world
- Attractive salaries
- Work as part of a team
- **Make a difference to people's lives**



# Why wouldn't you want to do it?

- Can be hard work & stressful
  - Early starts
  - No lunch
  - Late finish
  - Sick patients
  - Angry patients
  - Critically ill patients



# BUT...

- Challenging, rewarding
- Lots of jobs out there
- Job security
- **Make a difference to people's lives**



# What careers are there?

- Doctor
- Nurse
- Radiographer
- Biochemist
- Midwife
- Social worker
- Healthcare Science
- Pharmacist
- Dietician
- Paramedic
- Dentist
- Physiotherapist
- Occupational Therapist
- ...and loads more!

# Medicine

- Dynamic and demanding course and future career
- Every day is different
- Every patient is unique
- You have an affect on people's lives
- Life changing experiences
- Lifelong learning and career development opportunities
- The chance to travel the world
- Multidisciplinary team work
- Can specialise in an area you're really interested in



# Entry criteria for Medicine

**Years**

5-6 years study

**GCSE**

8 subjects (inc Maths, English and Dual Award Science). Average of 'A' grade

**A-Level**

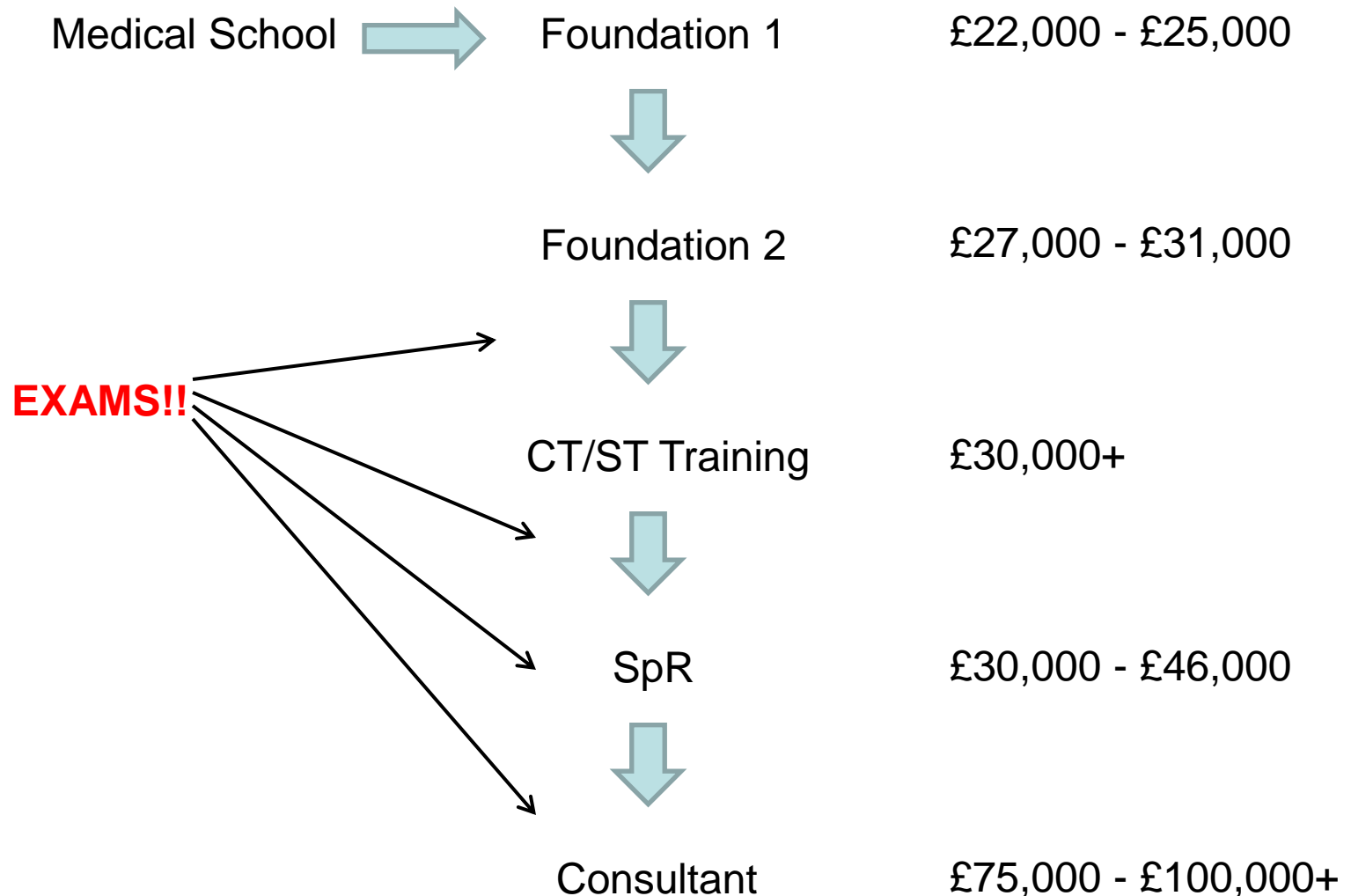
3 A-levels at grades AAA  
Must include Chemistry and Biology or Human Biology

**Other**

UKCAT (some universities ask for BMAT)  
Other entry routes possible including Foundation Programmes and Graduate entry

Please note - the GCSE and A-Level requirements given here are for 2017 entry to St George's, University of London. These may change by the time your daughter applies, and other universities may ask for different requirements so always check

# Medicine & Money





# Biomedical Science

- Similar to Medicine first 2 years
  - anatomy
  - physiology
  - pharmacology ...
- Specialise in 3rd year
- Lab-based projects
- A biomedical scientist carries out laboratory tests on human samples to help clinicians diagnose illness and evaluate the effectiveness of treatment
- This work is vital to the wellbeing of patients because doctors treat them on the basis of these test results.



# What next after BMS...?

- Further study or...
- A career in the related industries:
  - Pharmaceutical Companies
  - Forensic Medicine
  - Biomedical Product Marketing
  - Medical Writing
  - Journalism
- A career in the NHS:
  - Biomedical scientists (lab based)
  - Clinical Testing
  - Management
  - Healthcare related jobs.

# Entry criteria for BMS

## Years

3 years full time

## GCSE

8 subjects (incl. Maths, English and Dual Award Science). Grades A\*- C (English and Maths must be to grade B or above)

## A-Level

3 A-Levels at grades ABB  
Must include Biology & chemistry

## Other

Alternative post 16 qualifications are not currently accepted at SGUL, accept for the IB and Cambridge Pre-U. Check for other universities. Option to transfer into the 3<sup>rd</sup> year of Medicine on completion, but need a very high mark

## Money

£20,000 - £65,000+

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# Nursing

- Changing role for nurses:
  - More responsibility
  - Clinical skills
  - Prescribing
- Can go on to manage teams, run wards, reach consultant level as well as management, research and education
- Can work in different environments e.g. prisons, schools, GP surgeries, communities, hospitals, charities, the Armed Forces
- More contact with patients than a doctor
- Communication skills



[http://nursing.nhscareers.nhs.uk/why/make\\_a\\_difference\\_to\\_peoples\\_lives](http://nursing.nhscareers.nhs.uk/why/make_a_difference_to_peoples_lives)

# Entry criteria for Nursing

## Years

3 years full time (6 years part time)

## GCSE

5 subjects (incl. English, maths & science).  
Grades A\*-C)

## A-Level

3 A-levels at grades BBC  
Health or Science subjects are preferred

## Other

Alternative post 16 qualifications are accepted, including;  
BTEC Extended or National Diploma in Science or Health  
Studies

## Money

£18,000 - £50,000+

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# Midwifery

- Care for pregnant women
- Look after mum & baby during and after birth
- Counselling, listening and general communication skills are essential. Many mothers especially new ones will need advice and support. Aside from the practical caring skills you also have to be aware of the social and cultural context in which childbirth takes place.
- Job is changing all the time



<http://www.youtube.com/watch?v=6Xfd3SmWLKQ>

# Entry criteria for Midwifery

## Years

3 years full time (6 years part time)

## GCSE

5 subjects (incl. English, maths & science).  
Grades A\*-C

## A-Level

3 A-levels at grades ABB  
Science or health related subjects are preferred.

## Other

Alternative post 16 qualifications are accepted, including;  
BTEC National Diploma in a Science or Health Studies,  
Science or Health-based Access Courses, International  
Baccalaureate

## Money

£20,000 - £50,000+

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# Physiotherapy

- Extremely varied role
- Involved in a number of specialities
  - Musculoskeletal
  - Neurology
  - Respiratory
- Can work in many different areas, including...
  - Paediatrics
  - Intensive care
  - Stroke recovery
  - Occupational health
  - Sport
- Most physiotherapists work in the NHS but you also have the option of working in a private practice or for a sports club





# Entry criteria for Physiotherapy

## Years

3 years full time

## GCSE

8 subjects. Grades A\*- C. (must include Maths, English and Sciences).

## A-Level

3 A-levels at grades ABB.  
Sciences or Physical Education may be helpful but are not essential.

## Other

Alternative post 16 qualifications are accepted, including; International Baccalaureate and BTEC Extended National Diploma in Science

## Money

£20,000 - £45,000+ (more in private practice)

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# Radiography

- Radiography is a critical aspect of healthcare
- Two types of Radiography:
  - Diagnostic – produce high quality clinical images of the patient to detect and monitor disease and the effects of trauma
  - Therapeutic - plan and deliver radiotherapy to cancer patients
- Both use a wide range of high technology medical equipment
- Work closely with patients, especially in Therapeutic field
- Senior Radiographers have excellent promotional potential



<http://www.youtube.com/watch?v=L0qzSnJcHlw&list=UUxGgYSuq0XR0siPOJVq8trQ&index=3&feature=plcp>

# Entry criteria for Radiography

Years

3 years full time

GCSE

Minimum of 8 subjects (incl. English, maths & science). Grades A\*-C

A-Level

3 A-Levels at grades BBB  
Must include at least one science subject

Other

Alternative post 16 qualifications are accepted, including; International Baccalaureate. BTEC National Diploma in Science

Money

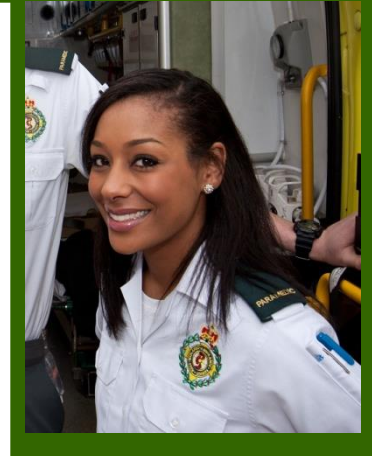
£21,000 - £54,000

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# Paramedicine

- Front line of services, providing immediate assistance to patients pre-hospital
- Use high-tech equipment and administer drugs and oxygen
- Deal with all types of problems
- Constant adrenaline rush
- Transport patients to hospital by car, motorbike, air ambulance – or bike!
- University are courses delivered in conjunction with Ambulance Trusts – so you get practical experience

<http://www.youtube.com/watch?v=bIbXxbJwGxM&list=UUxGgYSuq0XR0siPOJVq8trQ&index=4&feature=plcp>



# Entry criteria for Paramedic Science

## Years

3 years full time

## GCSE

Minimum of 5 subjects (incl. English, maths & science). Grades A\*-C

## A-Level

3 A-Levels at grades BCC  
Must include at least one science subject

## Other

Alternative post 16 qualifications are accepted, including; International Baccalaureate and BTEC National Diploma in Science or Health related subject. Depending on the university, you may need a driving license before you start the course

## Money

£20,000 - £34,000+

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# Healthcare Science

Career paths in the following areas:

- Cardiac physiology
- Respiratory physiology
- Sleep physiology

Cardiac physiologists assist with heart disease diagnosis, pacemaker implantation, on-going patient monitoring and exercise stress testing.

Respiratory and sleep physiologists undertake cardio-pulmonary exercise testing, blood gas analysis, response-to-treatment monitoring, allergy testing and polysomnography. Patients may be referred with chest pains, abnormal chest X-rays, breathing difficulties, sleep disorders, or suspected respiratory disease such as emphysema.



# Entry criteria for Healthcare Science

## Years

3 years full time

## GCSE

Minimum of 8 subjects, grade A\*-C  
English, maths & science required to  
minimum grade B).

## A-Level

A Level grades BBB  
Must include Biology or Human Biology

## Other

Alternative post 16 qualifications are accepted, including;  
BTEC National Diploma in Science

## Money

£21,000 - £55,000+

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# Social Work

- Social workers enable people to lead more successful lives by helping them to find solutions to their problems
- Strong people skills, maturity, patience and determination are vital
- Social workers are employed in a variety of settings: local authorities, charities and the NHS, e.g. in a mental health trust or community setting
- Most specialise in either adult or children's services
- Many options for career specialisation – e.g. working with offenders, people with HIV/AIDS, managing adoption and foster care processes and children in care





# Entry criteria for Social Work

**Years**

3 years full time

**GCSE**

Minimum of 5 subjects (incl. English & maths). Grades A\*-C

**Further Study**

3 A-Levels at grades BBC

**Other**

Alternative post 16 qualifications are accepted, including; BTEC National Diploma in Science or Health Studies

**Money**

£23,000 - £60,000

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# Money

- For 2017 entry, all non NHS funded St George's, University of London degree courses (Medicine, BMS, Healthcare Science) charge £9,250 per year tuition fees
- Currently the NHS pays the tuition fees for all Physiotherapy, Radiography, Midwifery, Nursing, Social Work, and Occupational Therapy courses, but this will change next year.
- Help with costs:
  - Tuition fee loans (repaid once working and earning above a certain amount)
  - Maintenance loans (repaid once working and earning above a certain amount)
  - Prizes & awards (free money)
  - St George's Bursary (free money)

# A career in healthcare is...

- Rewarding
- Exciting
- Challenging
- Fun
- Full of variety
- Intellectually stimulating
- Financially rewarding
- A great place to meet people
- Friends and family will think you're great...

# Useful websites

UCAS – [www.ucas.com](http://www.ucas.com)

NHS careers – [www.nhscareers.nhs.uk](http://www.nhscareers.nhs.uk)

St George's, University of London – [www.sgul.ac.uk](http://www.sgul.ac.uk)

Student Finance - [www.gov.uk/student-finance](http://www.gov.uk/student-finance)

Work experience – [www.tasteofmedicine.com/experiencingit](http://www.tasteofmedicine.com/experiencingit)

Interview preparation - [www.tasteofmedicine.com/scrubbingup](http://www.tasteofmedicine.com/scrubbingup)

HE learning styles - [www.tasteofmedicine.com/virtuallythere](http://www.tasteofmedicine.com/virtuallythere)

Student life - <http://www.nus.org.uk/>

Studying medicine – [www.medschools.ac.uk](http://www.medschools.ac.uk)