Is a career in Medical Sciences for me?

Caring for others  Changing Environment  Challenging but rewarding work

People Orientated  Problem Solving  Passion for science
What kind of job can a degree in Medical Sciences lead to?

- Doctor
- Clinical Scientist
- Nutritionist
- Dental Therapist
- Sports Psychologist
- Dentist
- Research Scientist
- Forensic Psychologist
- Clinical Psychologist

And many more!
Medical Science Graduates are some of the most desired graduates
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By 2024 we need 13% more Medical Science Graduates in jobs
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Medical Sciences are constantly evolving and growing, as the demand grows the need for specialists increases!
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By 2024 we need 13% more Medical Science Graduates in jobs.

75% of Medical Science Graduates go straight into graduate level jobs.

With an average starting salary above £20,000.

Top salaries average around £70,000.

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Why Newcastle?

Top 150 of world universities
QS World University Rankings 2018

Top 200 for graduate employability in the world
QS Graduate employability World rankings 2018

TEF Gold Teaching Excellence Framework

Number 1 place in the world to visit in 2018
Rough Guides 2018
Why Newcastle?
Why Newcastle?
Medicine (A100)

The study of the human body and human disease

Diagnosis and treatment of disease and the use of Modern Medicine

Academic, or technical degree awarded for studies in various fields related to Medicine and Surgery e.g. clinical skills
Medicine (A100)

- High Educational Standards
- State of the art clinical facilities
- Nationally recognised staff as academics
- Varied Teaching Methods

Medicine at Newcastle is an INTEGRATED course
After a Medical Degree

After a Medical degree you will be a Junior Doctor for 2 years. This is when you will complete your foundation training

You will then undergo Core Medical Training (CMT) or Acute Care Common Stem Training (ACCS)

You then choose your speciality

General Practice

3 years of GP training

Completion of MRCGP exam

Register and practice as a GP

Speciality Training

Required if you would like to specialise in a certain area of medicine

4-6 years of speciality training.
In depth learning and practice in advanced areas and working more autonomously

Gain Entry to the GMC specialist register
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Dentistry (A206)

The treatment and prevention of a wide range of diseases of the mouth from tooth decay to oral cancer

Covers Human Dental Function, Structure, behaviour, clinical dental studies and related sciences

Develop the skills required to provide for the complete oral health of patients
Dentistry (A206)

- High Educational Standards
- State of the art clinical facilities
- Nationally recognised staff as academics
- Varied Teaching Methods

Dentistry at Newcastle is ranked 3rd in the country

After a Dentistry Degree

Dentistry is a fairly flexible career and selecting one particular branch does not mean that you cannot venture into others later on in your career.

Dental Foundation Training (DFT) is a minimum of 1 year, full-time in primary care i.e. NHS general dental services.

A second stage is undertaken in a hospital by those wanting to work in hospital dental services.

General Practice (GDS)/Personal Dental Service (PDS)  Hospital Dentistry  Community Dental Service (CDS)
BSc Biomedical Sciences (B940)
The study of how the human body is impacted by disease and how science can combat disease

Graduate Profile
Brigitte West
CEO of Beauty by the Geeks

Researcher Profile
Dr Neil Keegan
www.i-sense.org.uk
Developing nanobiotechnology to identify outbreaks of infectious diseases much earlier than ever before.

93% Student Satisfaction
National Student Survey 2017

MSci Biochemistry (C701)
MSci Biomedical Genetics (B903)
MSci Biomedical Sciences (B900)
BSc Physiology (B100)

The study of human body systems, how they control and maintain the whole body in healthy and diseased states.

Graduate Profile

Paul
PhD with Northern Ireland Centre for Food & Health

Researcher Profile

Professor Roy Taylor

Established that Type 2 diabetes is reversible with a low calorie diet and exercise.
BSc Biomedical Genetics (B901)
The study of how DNA is transmitted between generations and decoded

Graduate Profile
Joel
Teach First

Researcher Profile
Professor Sir Doug Turnbull
Researches rare mitochondrial diseases and director of the centre which developed the '3 parent baby' techniques
BSc Biochemistry (C700)
The branch of science concerned with the chemical processes that occur within living organisms.

Graduate Profile
Andrew
Postgraduate
Medicine

Researcher Profile
Professor Jeff Pearson
Research into nutrition - found that alginate from foods such as seaweed may help prevent people from absorbing fats.
BSc Pharmacology (B210)
The design & Study of drugs, how they exert their effect and how the body interacts with the drug

Graduate Profile
Polly Wight
Bioanalytist and Study Coordinator, Arcinova

Researcher Profile
Professor Ann Daly
Awarded the International Society for the Study of Xenobiotics (ISSX) European Scientific Achievement award 2017 for her work in Pharmacogenetics
BSc Psychology (C800)
The scientific study of people, the mind and behaviour

Professor Vicki Bruce
Research on face recognition and eye-witness recall
Eye gaze direction and paranoia

Psychology work with various institutes on multi-disciplinary research:

93% Student Satisfaction
National Student Survey 2017
Psychology Graduates

Our Psychology graduates progress to a wide variety of careers...

from Clinical Psychology to marketing, education or Sports Psychology and many more!

Holly
Masters in ‘Early Intervention in Psychosis’

I am really looking forward to my placement within the NHS

Andrew
Forensic Psychology MSc

Tim
Account manager for advertising agency
Professional Pathways
Professional Pathways

Clinical Psychology

Undergraduate Psychology
Clinical Psychology module, Abnormal Psychology and Psychiatry

Clinical Psychology MSc

Clinical Doctorate
Professional Pathways

Clinical Psychology
- Undergraduate Psychology
- Clinical Psychology module, Abnormal Psychology and Psychiatry
  \[\rightarrow\]
  Clinical Psychology MSc
  \[\rightarrow\]
  Clinical Doctorate

Forensic Psychology
- Forensic Psychology module
  \[\rightarrow\]
  Forensic Psychology MSc
  \[\rightarrow\]
  Forensic Doctorate/Supervised practice
Professional Pathways

Clinical Psychology
- Undergraduate Psychology
- Clinical Psychology module, Abnormal Psychology and Psychiatry
- Clinical Psychology MSc
- Clinical Doctorate

Forensic Psychology
- Forensic Psychology module
- Forensic Psychology MSc
- Forensic Doctorate/Supervised practice

Psychological Research
- Many modules e.g. research methods, statistics, cognitive neuroscience
- PhD’s in the Institute of Neuroscience

Professional placements also really add value in these pathways!
Food and Human Nutrition (B46D)

The impact of Nutrition on Health and Disease

From the cellular and Molecular Level through to people and populations

Discover the impact of food composition and processing on nutritional value, quality and consumer acceptance
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## Careers in FHN

<table>
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<tr>
<th>Technical brewer</th>
<th>Animal nutritionist</th>
<th>Nutritional therapist</th>
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<tbody>
<tr>
<td>Lecturer</td>
<td>Food Marketing</td>
<td>Research Scientist</td>
</tr>
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<td>Dietitian</td>
<td>Food Technologist</td>
<td>Product/process development scientist</td>
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Medical Science Careers
Pharmacy (B230)

Pharmacists are involved in prescribing and dispensing medicines

There is an increasingly significant role in the diagnosis and management of illness

Develops scientific, communication and technical skills
Pharmacy (B230)

Transfer from Durham to Newcastle

First entry to the course in 2017

Brand new facilities

Quality case-led teaching

4 year (MPharm) Course
After a Pharmacy Degree

MPharm Degree

Pre-registration training (52 weeks)

Assessment

Registered Pharmacist

Community based  Hospital based

Research Scientist
Toxicologist
Lecturer
Medical Sales Rep
Product or process development scientist (industry)
Sport and Exercise Science (C600)

The study of sport and exercise in relation to human performance and health

Study key disciplines such as anatomy, physiology, biomechanics, psychology, bioenergetics and nutrition

Develops key practical skills, both in the lab and on the field
Sport and Exercise Science (C600)

- Small class sizes - greater contact with staff
- Career focused options
- Optional placement year
- Practical based
- Multidisciplinary final year
Careers in SES

Dietitian
Sport Psychologist
Performance Analyst
Strength and conditioning coach
Fitness centre manager

Sports Therapist
Sports Science Researcher
Health promotion specialist
Secondary school teacher
Sports Medicine
Lecturer

Exercise physiologist
Careers in SES

Dietitian
Sports Therapist

Sport Psychologist
Sports Science Researcher

Performance Analyst
Health promotion specialist

Exercise physiologist

Strength and conditioning coach
Secondary school teacher

Fitness centre manager
Sports Medicine
Lecturer
PARTNERS

Provides a supported entry route into Newcastle University.

Receive a lower conditional offer.

Applicants attend an Academic Summer School before they get their place.
Am I eligible?
Am I eligible?

You must meet ALL of the following:

- Meet all UCAS and UKCAT deadlines
- Fulfilled all selection criteria (UKCAT score, interview)
- Must match/exceed Partners grade offer (ABB)
- Choose Newcastle University as your FIRM choice
- Home Student status
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Am I eligible?

You must also meet ONE of these criteria:

- School or college attended for sixth form
- School attended for GCSE's
- Various home postcodes
- Free school meals, pupil premium funding, discretionary school/college payments linked to financial hardship
- Local authority care for a period of three months or more, within last ten years
- Neither of your parents experienced Higher Education or are in a professional career
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Partners Summer School

You must complete the Partners Summer school with 100% attendance

Assessment: Dentistry
Partners Summer School

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Assessment: Dentistry
Applying for PARTNERS Scheme

Check eligibility through our online Eligibility Checker

Include a 'P' in the further details section of your UCAS application for the course at Newcastle University

Complete PARTNERS application form

Ask your teacher to send it off to us with a copy of your UCAS form

www.ncl.ac.uk/schools/partners
Medical Science Careers