

# MEDICAL PATHWAY

## ESSENTIAL CORE SUBJECTS

You will take the following core subjects:

- ✓ **Biology**
- ✓ **Chemistry**



## + FURTHER RECOMMENDED SUBJECTS

We recommend that you choose a further subject from the following list to complement your studies:

- ✓ Physics
- ✓ Mathematics
- ✓ Further Mathematics
- ✓ History
- ✓ Geography
- ✓ Psychology
- ✓ Religious Studies
- ✓ Sociology
- ✓ English Language/ Literature
- ✓ English Literature

These subjects are recommended however other options are available. (Subject choice may differ at Campus locations, please see Coleg Gwent prospectus for details.)

## + WELSH BACCALAUREATE



Students will develop their study skills as they complete four challenges which include a research project. The Welsh Baccalaureate will count towards UCAS points.

## + ENRICHMENT ACTIVITIES



- ✓ The Seren programme
- ✓ Unique Pre-Professional Programmes in Medicine and STEM, BMAT and UKCAT
- ✓ STEP UP to University
- ✓ Dissection classes, work experience, volunteering opportunities, or becoming a reading/peer/school mentor.

These are an example of activities and they may differ on each of our Campus locations.

## CAREER TIPS

- 01** 99% of all medicine and dentistry graduates land a job or further study within 6 months of leaving.
- 02** 98% of all veterinarian graduates find work or future study within 6 months of graduating.
- 03** In 2020 there were 716, 219 nursing jobs in the UK. 89.2% of these roles were filled by females and 10.8 by males. The average wage for a nurse is £37,800 a year.
- 04** 2.48 million people were employed in health or medical roles in 2020. This includes doctors, nurses, dentists and care assistants.
- 05** Private dentists can earn up to £140,000+ annually.
- 06** David Attenborough graduated with a natural sciences degree in 1947.
- 07** Medical and dental technicians can earn up to £30,800. There were 34,198 UK jobs in 2020, 1,946 jobs in Wales. The roles are split evenly between males and females.
- 08** A GP can earn up to £88,700 depending on experience and more if they are a practice partner. A consultant can earn up to £110,683 depending on experience.
- 09** The average Annual Pay for a Medical Practitioner aged 25-34 is £58,682.
- 10** By 2022 the UK will need an estimated 36,205 more Medical Practitioners.
- 11** The UK is a leading Life Sciences Producer and Exporter (Healthcare).



You will need to choose a minimum of 3 or 4 A-Level subjects.  
It is important when choosing your A-Level combinations to choose the right subjects for the career that you will want to pursue.



# MEDICAL CAREER PATHWAYS



## LAB-BASED

- ✓ Biochemistry Scientist
- ✓ Biomedical Scientist
- ✓ Ecologist
- ✓ Microbiologist
- ✓ Scientist in Dietetics



## PATIENT BASED (Human or Animal)

- ✓ Doctor
- ✓ Dentist
- ✓ Nurse
- ✓ Animal/Veterinary Scientist
- ✓ Healthcare Scientist
- ✓ Clinical Scientist
- ✓ Pharmacist
- ✓ Zoologist



## TECH-BASED

- ✓ Neuroscientist
- ✓ Physiotherapist
- ✓ Biomedical Engineer
- ✓ Radiography
- ✓ Audiologist



## POPULAR UNIVERSITIES FOR THESE PATHWAYS



## REFERENCES

- 01 <https://coursefindr.co.uk/degrees/articles/top-ten-employable-degrees/>
- 02 [https://a.economicmodeling.com/analyst/?t=3BV7J#h=RrTbN&page=occupation\\_report](https://a.economicmodeling.com/analyst/?t=3BV7J#h=RrTbN&page=occupation_report)
- 03 [https://a.economicmodeling.com/analyst/?t=3BYT8#h=RtLd8&page=occupation\\_report](https://a.economicmodeling.com/analyst/?t=3BYT8#h=RtLd8&page=occupation_report)
- 04 [https://a.economicmodeling.com/analyst/?t=3BYT8#h=RtLrq&page=occupation\\_report](https://a.economicmodeling.com/analyst/?t=3BYT8#h=RtLrq&page=occupation_report)
- 05 <https://www.prospects.ac.uk/job-profiles/dentist#:~:text=Profits%20of%20dental%20practices%20varies,%2%A337%2C935%20to%20%2C%A348%2C075.>
- 06 <https://targetjobs.co.uk/careers-advice/career-planning/667801-career-inspiration-what-famous-people-did-with-their-degrees>
- 07 [https://a.economicmodeling.com/analyst/?t=3DVL2#h=T9HWR&page=occupation\\_report](https://a.economicmodeling.com/analyst/?t=3DVL2#h=T9HWR&page=occupation_report)
- 08 <https://www.prospects.ac.uk/job-profiles/general-practice-doctor#:~:text=A%20doctor%20in%20specialist%20training,of%20profits%20of%20the%20business.>
- 09 <https://www.healthcareers.nhs.uk/explore-roles/doctors/pay-doctors#:~:text=As%20a%20consultant%20from%201,and%20national%20Clinical%20Excellence%20Awards.>



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