

Medical Schools Entry Requirements (June 2011)

Until quite recently many medical schools would not allow both Mathematics and Further Mathematics qualifications to count towards meeting their offers. Fortunately this is changing and most medical schools will now count Further Mathematics, especially at AS level, alongside A level Mathematics. This document lists UK Medical Schools and their entry requirements, highlighting references to Further Mathematics. The document was prepared by the Further Mathematics Support Programme and is based on data collected in June 2011. If you have any queries relating to Further Mathematics and medical schools, please contact Richard Lissaman at richardlissman@furthermaths.org.uk.

Name	Link	Requirement	Comments
Aberdeen Medical School	http://www.abdn.ac.uk/medicine-dentistry/medical-dental	To be considered: AAA in three A-Levels taken together at first sitting over a maximum of two years of study. <ul style="list-style-type: none"> - Chemistry required to grade B minimum. - One subject from Biology/Human Biology, Maths & Physics required - One further A-Level in most other subjects. Check with Medical Admissions Office if in doubt about suitability of a subject. - Combinations of Chemistry, Biology plus a Non-Science subject are as acceptable as all-science combinations. - General Studies not acceptable. - AS module resits are permitted providing the final three A-Levels are undertaken simultaneously over two years of study 	We would accept Maths and Further Maths as two separate A levels, although we prefer it if candidates take a wider variety of subjects. We cannot comment upon the requirements of other institutions. <p style="text-align: center;">Please also note that all applicants for medicine must take the UK Clinical Aptitude Test prior to application.</p>

Barts and The London School of Medicine and Dentistry	http://www.mds.qmw.ac.uk/	<p>> AAA grades from three A levels on predicted or already achieved grades + B grade in an additional AS-level in any academic subject.</p> <p>> You must take Chemistry and Biology at AS level, and one or both of these subjects at A level. If you are planning to drop either Chemistry or Biology before doing A levels, you must attain a B grade in that subject at AS-level.</p> <p>> You should have at least two science subjects at A levels, one of which is either Chemistry or Biology, as well as a third A level which can be either another science or a non-science subject.</p> <p>> For students who have undertaken GCSE qualifications, our minimum requirements are grades AAABBB or above (in any order) to include Biology (or Human Biology), Chemistry, C18 Language and Mathematics (or Additional Mathematics or Statistics). The Science double award may substitute all sciences at GCSE</p>	<p>General Studies and Critical Thinking. If A level Maths is offered, Further Maths is acceptable at AS level only.</p>
Queens University Belfast Medical School	http://www.qub.ac.uk/cm/	<p>AAA + A (AS) including A-level Chemistry plus at least one other A-level from Biology, Mathematics or Physics. If not offered at A-level then Biology to at least AS grade B + GCSE Physics or Double Award Science + GCSE Mathematics. A maximum of either one Applied A-level or one Applied AS-level will be counted.</p>	<p>All applicants are required to sit the UKCAT which is used as part of the selection process prior to interview. Only one mathematics subject will be counted at A Level and General Studeis is not accepted</p>
Birmingham Medical School	http://www.mds.bham.ac.uk/	<p>Standard offer is A*AA or AAA. Chemistry is required. One from Biology, Physics or Mathematics required. One other subject, which could include those named above, but cannot be General Studies or Critical Thinking. Candidates must normally have at least 7 A* grades at GCSE.</p>	<p>Two of three subjects cannot be Further Mathematics and Mathematics</p>
Bristol Medical School	http://www.medic.bris.ac.uk/	<p>AAA or A*AB to include A grade Chemistry plus one other laboratory based Science; these should be certificated at the same sitting, at the first attempt and completed in two years. Minimum of 5 GCSEs at grade A to include English Language, Mathematics and two science subjects.</p>	<p>You should be aware that if you are offering three A2 Levels, the choice of subjects should avoid undue overlap of content. For example Biology and Physical Education; Biology and Sports Science; Maths and Further Maths</p>

Brighton and Sussex Medical School	http://www.bsms.ac.uk/	<p>Most standard offers for entry to BSMS are conditional on gaining 360 UCAS points in three A-levels, following the study of at least four subjects to AS-level. These points may be achieved by obtaining AAA or A*AB at A-level, but both Biology and Chemistry must have been studied to A-level and passed with a minimum A grade.</p> <p>> All applicants to BSMS are required to take the UKCAT the summer prior to applying to us. However, there is currently no threshold. We only use the UKCAT once you have been interviewed, either if you are on borderline with other candidates to being offered a place here, or if you are already on our waiting list and a space has become available</p>	BSMS consider Maths and Further Maths as two separate A2 subjects if both being taken by an applicant
Cambridge Medical School	http://www.med.cam.ac.uk/	<p>As has been the case for the last two years, the standard conditional A Level offer for 2012 entry will be A*AA. The subject in which the A* is to be achieved is unlikely to be specified in most cases. Applicants must have passes at AS/A Level in three of Biology/Human Biology, Chemistry, Physics, Mathematics. One of the subjects must be Chemistry and at least one pass must be at A Level. Most applicants for Medicine at Cambridge have at least three science/mathematics A Levels and some Colleges require this or ask for particular A Level subject(s). See individual College websites for details.</p>	<p>All applicants for Medicine are required to sit the BMAT and must enter for the test by 30 September. We do count Further Maths as a separate A-level to Maths. If an applicant was thinking of applying for Medicine with Chemistry, Maths and Further Maths, then we would strongly recommend that they should contact one of the individual Cambridge Colleges for advice, since they may well not have enough wide ranging science.</p>
Cardiff Medical School	http://medicine.cf.ac.uk/	<p>Students should offer three A2 Levels, which must include two science subjects from Biology, Chemistry, Physics, and either Mathematics or Statistics, and also one AS-Level in a fourth subject. At least one A2 Level science must be either Biology or Chemistry. If not offered at A2 Level, Biology and Chemistry must be offered at AS Level. The typical offer will be AAA grades at A2 Level with an A-grade in Biology and Chemistry. If not offered at A2 Level, Biology or Chemistry must be with an A grade at AS level.</p>	<p>For applicants offering two or more Mathematics and/or Statistics subjects at AS and/or A2 level, only one will count towards meeting the conditions of an offer. General Studies is not acceptable at AS or A2 Level. Critical Thinking is not accepted at A2 level, but is recognised at AS Level. A fourth A2 Level subject will not enhance your application.</p>

Dundee Medical School	http://www.dundee.ac.uk/medther/	AAA grades at A level (A2), to include Chemistry and another Science. The third subject can be your own choice; we have no preference. These results should be obtained at one sitting and at the first attempt at A level examinations, two years after GCSE. (Approx. 8% of candidates sitting 3 A Levels attain these grades). Biology is required, at least to GCSE level. General Studies at A level is not accepted.	All applicants to sit the UK clinical aptitude test UKCAT. In the assessment of medicine applications we regard Maths and Further Maths as two separate and distinct A levels.
Durham Medical School	http://www.dur.ac.uk/school.health/p/hase1.medicine/	AAA at A level. Subjects should include Chemistry and/or Biology at A or AS level. If only one of Biology and/or Chemistry is offered at A or AS level, the other should be offered at GCSE grade A (or Dual Award Science grade A). We do not accept General Studies or Critical Thinking as an A level entry qualification.	All applicants will be required to complete the UKCAT. Further Maths and Maths are counted as two separate subjects.
University of East Anglia Medical School	http://www.med.uea.ac.uk/	All applicants must have a minimum of six GCSE passes at grade A or above to include English Language, Maths and two Science subjects. AAA at A Level to include Biology (Excl General Studies & Critical Thinking) + B at AS level in a 4th subject.	All applicants (eed to take the UKCAT test prior to submitting their applicatio. We will accept Maths and Further Maths as two separate A level choices - we also do not mind if a candidate offers one at full A Level and the other at AS
Edinburgh Medical School	http://www.mvm.ed.ac.uk/	AAA at A Level including Chemistry plus Grade B at AS level in a fourth subject. A-Levels must include Chemistry and one of Biology, Mathematics or Physics. Biology at AS Level required as minimum. Human Biology may replace Biology but General Studies will not be considered. GCSEs: Grade B in Biology, Chemistry, English, Mathematics. Double Award Combined Sciences or equivalent at Grade BB may replace GCSE grades in sciences. Additional Applied Sciences or Applied Science will not be accepted. All examination grades must be obtained at the first attempt of each subject.	For both AS and A Level, only one of Mathematics or Further Mathematics will be considered.
Glasgow Medical School	http://www.gla.ac.uk/faculties/medicine/	AAB in three A2 examinations at one sitting to include Chemistry and one of Maths, Physics or Biology. General studies is NOT acceptable as a third subject at A2. A GCSE pass in English at a minimum of Grade B is also required. If Biology is not studied at A2 level, it should be taken at GCSE or AS level. A minimum of grade B is required. Biology and Human Biology are considered as equal subjects.	We do not consider Maths and Further Maths as two separate subjects at A Level.

<p>Guy's King's and St Thomas' School of Medicine</p>	<p>http://www.kcl.ac.uk/medicine/index.aspx</p>	<p>AAA at A-Level & B at one separate AS Level. Compulsory subjects: Chemistry and Biology, at least one at A-Level, the other may be at AS Level. GCSE requirements: Grade B in English and Mathematics if either of these are not offered at A or AS-Level.</p>	<p>If A-level Maths is offered, Further Maths is acceptable at AS-level only. Please note that AS/A level General Studies and Critical Thinking are not accepted by King's as one of your A or AS levels. However, if offered the grade achieved may be taken into account when considering whether or not to accept a candidate who has just fallen short of the conditions of their offer</p>
<p>Hull York Medical School</p>	<p>http://www.hyms.ac.uk/</p>	<p>Our typical offer is AAA, including Biology, Chemistry and a third subject at A2-level, but we will accept an application from you if you are predicted AAB. These must be taken in a single sitting. You will also need a fourth subject at AS-level grade B. (For meeting these requirements, we don't accept General Studies or Critical Thinking.)</p>	<p>UKCAT required. We will accept both Maths and Further Maths together when Maths is taken as a whole A-level, even if you took it at the end of Year 12, as long as you're also taking Further Maths in Year 13. Maths will count as the third A2 (alongside Biology and Chemistry) and so we'll require an A grade. Further Maths will count as the fourth AS and so we require a B grade. Also, this is the only instance in which we will accept your three A-levels not being taken in a single sitting.</p>
<p>Imperial College School of Medicine</p>	<p>http://www.ic.ac.uk</p>	<p>The minimum entry requirements for this course are three A-levels, including Chemistry and/or Biology and one science or mathematics subject, and one additional subject at AS-level. If either Chemistry or Biology is offered alone at A-level, then the other is required at AS-level with at least a grade B. Our normal offer is for grades AAA in three A-levels and B in the AS-level. For candidates offering four A-levels our normal offer is AAAC. Vocational A and AS-levels are not acceptable and general studies will not be accepted at any level.</p>	<p>All candidates applying to the six-year course must take the BMAT in the year of application in order to be considered for interview. Mathematics and Further Mathematics are accepted as separate subjects.</p>
<p>Keele University Medical School</p>	<p>http://www.keele.ac.uk/depts/ms/</p>	<p>5 Year Course:3 60 UCAS tariff points are required from three A-levels, including Biology or Chemistry plus another designated science subject (Biology, Chemistry, Physics, or Maths/Further Maths) and a third rigorous academic subject, with no less than a grade B in any subject. For example, grades of AAA or A*AB would be acceptable.</p>	<p>Only one subject from a combination of Maths with Further Maths or Biology/Human Biology with Physical Education will be considered.</p>

Leeds Medical School	http://www.leeds.ac.uk/medicine/	At least AAA, including Chemistry at grade A. Any subject studied will be accepted except Critical Thinking and General Studies. Those taking a 4th A2 subject will not be at an advantage over those taking three.	Candidates applying to Medicine at Leeds will be required to take the UKCAT. We would not accept a combination at A2 of Chemistry, Maths and Further Maths for entry into medicine as we are looking for breadth (we would also not accept Chemistry, Biology or Human Biology at A2).
Leicester Medical School	http://www.le.ac.uk/medicine/	A/AS Levels: Normally four AS-level subjects in First Year, including Chemistry and Biology, excluding General Studies. Three GCE A-levels including Chemistry required, excluding General Studies. Typical offer: Normally AAA from GCE A-levels, including Chemistry.	We consider 4 AS subjects including chemistry and biology (excluding general studies), therefore, maths and further maths would be acceptable at AS. However, at the A2 stage only one maths would be part of an AAA (including chemistry) offer.
Liverpool Medical School	http://www.liv.ac.uk/medicine/prospectiv e/index.htm	GCSEs in nine subjects at a minimum of grade C: attained by the end of Year 11 and at least a score of 15 points or better (where A*/A = 2; B = 1) from the nine and including: Core & Additional Science (or Biology, Chemistry, and Physics), English Language, and Mathematics (all at least grade B) Preference will be given to applicants with a higher GCSE score. A levels in three subjects taken at one sitting after 2 years of study (plus a 4th subject to at least AS level): at a minimum of AAA(b) Chemistry and Biology are subject requirements at A2 level.	Only one of Maths or Further Maths will be considered
Manchester Medical School	http://www.mhs.manchester.ac.uk/	At GCSE.at least seven subjects are required at grade C or above; at least five must be at A or A*. The School's normal A level offer after successful interview would be grades AAA, with exams taken at the same sitting after no more than two years of study. Subjects required: Chemistry plus one from Biology, Human Biology, Physics or Mathematics, plus one further subject (not Critical Thinking or General Studies).	We do accept Further Maths as a separate A-Level. We would not accept Chemistry, Maths and Further Maths in one sitting. Subjects required: Chemistry, plus one from Biology or Human Biology, Physics, Mathematics or Further Mathematics plus one further subject (not Critical Thinking or General Studies; Further Mathematics not accepted alongside Mathematics).

Newcastle Medical School	http://medical.faculty.ncl.ac.uk/	AAA including Chemistry and/or Biology at A or AS level and excluding General Studies and Critical Thinking. If only one of Biology and/or Chemistry is offered at A or AS level, the other should be offered at GCSE grade A (or Dual Award Science grade A).	UKCAT required. Do consider Maths and Further Maths as two separate qualifications upon entry on to the MBBS cours.
Nottingham and Derby Medical School	http://www.nottingham.ac.uk/mhs/	At GCSE, at least 6 grade A's to include Biology, Chemistry and Physics or the science double award. Minimum of grade B in Maths and English Language. If you achieved a B in Physics at GCSE, a grade A at AS level will compensate. At A Level, predicted or achieved grades of AAA to include Biology and Chemistry. Subjects other than General Studies or Critical Thinking are accepted as the third subject. A fourth A-level will NOT increase your chances at our Medical School.	UKCAT required for all home, EU and overseas candidates. We ask for three A2's and if an applicant was undertaking both Maths and Further Maths we would require an A either gained or predicted in one of them. If an applicant has taken Maths A2 early we would ask for predicted grades of three A's at one sitting during their A2 years but if they gained a B in their third subject then we would use an A from the Maths A2 taken early if they gained it.
Oxford Medical School	http://www.medsci.ox.ac.uk/	3 A-levels (or equivalent qualification) are required. These must include Chemistry AND Biology AND/OR Mathematics AND/OR Physics. Our standard conditional offer is AAA at A Level (excluding General Studies). If you don't have Mathematics, Biology and Physics at A Level you must have top grades at GCSE in these subjects (or Combined Sciences)	All candidates must also take the Biomedical Admissions Test (BMAT) as part of their application. We consider Maths and Further Maths as two separate A-levels.
Peninsula Medical School	http://www.pcmd.ac.uk/	The typical offer is A*AA – AAA from 3 GCE A levels including Chemistry and either Biology or Physics. Four subjects must be achieved at AS level at grades A-C including Biology. General Studies is not included within any offer.	UKCAT required. We specify that A-Level subjects cannot overlap; therefore we do not accept Maths and Further Maths as two separate GCE A levels, but will accept Further Mathematics as an additional AS Level.

<p>Royal Free and University College Medical School</p>	<p>http://www.ucl.ac.uk/medicalschoo/</p>	<p>Chemistry and Biology must be studied at A-level. Candidates have a free choice of other subjects. General Studies A-level and Critical Thinking A-level are acceptable only as alternatives to the additional fourth subject. Some preference will be given to applicants who offer a contrasting subject at AS/A-level. In this context a contrasting subject is one outside the traditional science subjects of Maths, Chemistry, Biology and Physics. For example: English Literature, History, Geography, Art, Music, Religious Studies, Design and Technology, a foreign language etc. Our standard conditional offer for 2012 entry: grades AAA at A-level to include Chemistry and Biology, plus a pass grade in an additional fourth subject to at least AS-level. Students at UCL Medical School must be able to pass an entire year's worth of examinations in one sitting in order to progress to the next year of study.</p>	<p>The BMAT is compulsory for all UCL Medicine applicants. We consider Maths and Further Maths as two separate A level subjects.</p>
<p>Sheffield Medical School</p>	<p>http://www.shef.ac.uk/medicine/</p>	<p>You should have at least six A grades in GCSE subjects. Our offer for subjects taken at A level is AAA to include Chemistry and another science subject and it is expected that these will be taken in one sitting. The third A level can be in any other subject (General Studies is not acceptable).</p>	<p>UKAT required. Accept Maths and Further Maths as part of our A level requirement.</p>
<p>Southampton Medical School</p>	<p>http://www.som.soton.ac.uk/</p>	<p>A minimum of seven GCSEs at grades A*, A or B, including mathematics, English and double award science (or equivalent). At A Level, AAA needed, including chemistry (alternatively, AS level chemistry and biology/human biology can be offered at grade A in addition to grades AAA at Alevel).</p>	<p>UKAT required. Subjects with material that overlaps (e.g. biology/sports studies, maths/further maths) may not be offered in combination at Alevel.</p>

<p>Bute Medical School St Andrews</p>	<p>http://medicine.st-andrews.ac.uk/</p>	<p>AAA at A Level including Chemistry and one other of Biology, Mathematics or Physics. If Biology, Mathematics and English are not offered at Advanced (A2) or AS Level, each must normally have been passed at GCSE grade B or better. Dual award Science is not acceptable in lieu of GCSE Biology. Human Biology may replace Biology. General Studies and Critical Thinking are not considered.</p>	<p>UKAT required.</p> <p>For entry to Medicine at St Andrews we require three A-Levels (at grade A), to include Chemistry and one other of Mathematics, Physics or Biology. However, only one of Mathematics or Further Mathematics will be considered. The components for the three subjects should be completed within two years (Years 12 and 13 at a UK school) and the A2 examinations for the three A-Levels should be taken within the 2nd year (Year 13).</p> <p>Best wishes Mary Ainsworth</p>
<p>St George's Hospital Medical School</p>	<p>http://www.sghms.ac.uk</p>	<p>A-Levels: Candidates must achieve AAAB at A/AS level. All candidates must offer three A Level subjects and an additional distinct AS Level subject. We do not accept candidates who are taking A-Levels over three years but candidates may re-sit modules throughout years 12 and 13. All candidates must take Chemistry and Biology/Human Biology to A Level or one to A Level and one to AS Level. If either Chemistry or Biology are taken to AS Level, a minimum of grade B must be achieved.</p>	<p>UKAT required. Standard entry requirements are predicted/actual grades of AAA at A Level and a b at AS Level, to include Chemistry and Biology. AS Levels can be in any distinct subject (including Further Maths even if taking full Maths to A2).</p>
<p>Swansea Medical School</p>	<p>http://www.swansea.ac.uk/medicine/</p>	<p>You normally need three A levels or equivalent, which must include Biology and Chemistry. Typical offers: for three A levels – 300-320 tariff points.</p>	<p>"For admission to degree courses in Genetics or Biochemistry, I would not count them as separate subjects but would probably take the better grade and count as one A-L. However, Maths is not a required A-Level for these schemes. I do not know what the general policy is for Swansea University."</p> <p>Dr. D. Hugh Jones, Admissions Tutor for Genetics & Biochemistry</p>

<p>Warwick Medical School</p>	<p>http://www2.warwick.ac.uk/fac/med/</p>	<p>Warwick only offers post grad training to be a doctor and you should be a graduate in: Biological, Health, Natural or Physical Science. They also offer undergraduate training in Dentistry. The essential entry requirements for dentists are enthusiasm, strong determination and a desire to study at Masters Level to further professional development. If you have these qualities then this type of training programme is for you. Students are also expected to:</p> <ul style="list-style-type: none"> * Hold a license to practise dentistry (BDS or LDS or international equivalent) * Be a current member of the General Dental Council * Have their own indemnity insurance for practising dentistry (including adequate cover for the placement of implants). * Normally have completed one year of vocational training 	
-------------------------------	--	---	--