

## GUIDE TO A LEVEL SUBJECTS REQUIRED FOR UNIVERSITY COURSES

In order to help advise students on which subjects to study, the accompanying table is intended to act as a guide of A Level subjects required for University courses.

UNIVERSITY COURSE	A LEVEL SUBJECTS REQUIRED OR PREFERRED	ADDITIONAL INFORMATION
<b>Accountancy, Finance, Business and Management</b>	Mathematics and Economics are required for many top Universities. Business Studies and BTEC Business are advantageous	Since requirements vary considerably depending on the institution, interested candidates should visit: <a href="http://www.ucas.com/students/coursesearch">www.ucas.com/students/coursesearch</a>
<b>Architecture</b>	Mathematics usually specified, plus one additional Science (Physics preferred due to its numerical nature). A Level Art is an advantage	A portfolio of drawings and sketches must be developed and is required for interview
<b>Art-related Degrees</b>	Art	A portfolio of artwork is required for interviews. Students intending to study Art at University are commonly required to study an Art Foundation course first
<b>Biochemistry</b>	Chemistry and two from Biology Physics or Mathematics	
<b>Biological Sciences</b>	Biology and Chemistry	
<b>Chemistry</b>	Chemistry and Mathematics to at least A Level for Oxbridge and top Universities	
<b>Computer Science</b>	Mathematics and Physics are frequently required. ICT advantageous	
<b>Dentistry</b>	Chemistry and Biology required to A Level. Some dental schools identify Art & Design as advantageous as it is an indication of manual dexterity. Psychology also identified as advantageous by some Dental Schools	A candidate must complete 3-14 days work-shadowing experience preferably within a General Dental Practice setting. Applications will need to be able to show evidence of manual dexterity, good communication skills; the ability to work in a team and as a leader. Self-motivation, empathy and respect for others is also a requirement.
<b>Drama</b>	English Literature, English Language and Drama & Theatre Studies are advantageous subjects	English requested for combined courses with English. Drama & Theatre Studies is helpful
<b>Economics</b>	Mathematics essential for top Universities, with Economics highly advantageous	Further Mathematics required for certain top Universities and Oxbridge colleges
<b>Engineering</b>	Physics and Mathematics required with Chemistry also needed for Chemical Engineering	Due to the variety of engineering courses, students are encouraged to visit <a href="http://www.ucas.com/students/coursesearch">www.ucas.com/students/coursesearch</a> to find out the requirements for specific courses
<b>English</b>	English Literature	
<b>Geography (BA Hons or BSc)</b>	Geography. BSc may require an additional Science and sometimes Maths.	Some Universities increasingly prefer a Science background for their BSc Geography course. Students seeking information should refer to <a href="http://www.ucas.com/students/coursesearch">www.ucas.com/students/coursesearch</a> for requirements
<b>History</b>	History is essential. Government & Politics is advantageous	
<b>Journalism</b>	History and English Language provide students with the skills	Due to the competitive nature of Journalism courses, students are advised to seek a

	<i>needed for a degree in Journalism and therefore are viewed favourably by many Universities</i>	<i>period of work experience prior to submitting their UCAS application to provide evidence of a real passion for the subject</i>
<b>Law</b>	<i>None specified – although subjects such as History, English Literature and Government &amp; Politics provide students with some of the necessary skills required to succeed in a Law degree</i>	<i>Work experience is looked on favourably by the top Universities</i>
<b>Mathematics</b>	<i>Mathematics required. Further Mathematics required for Oxbridge and frequently preferred for other top Universities. Physics is advantageous</i>	
<b>Medicine</b>	<i>Chemistry required to A Level. Biology usually required to at least A Level. Some medical schools actively seek a broader academic base with one non Science subject, with Modern Foreign Languages highly appealing to many institutions</i>	<i>Students looking to study medicine need to be aware that places on these courses are highly competitive and students need to have almost exclusively A* and A grades at GCSE. Students need to obtain a period of medical related work experience prior to their UCAS application. This could be work experience in a hospital or in a care home as it indicates an interest in caring for others</i>
<b>Modern Languages: French Spanish</b>	<i>French Spanish</i>	<i>Degree courses are available in single languages but more often as joint honours or in a combination with other disciplines</i>
<b>Optometry</b>	<i>Two from Chemistry, Biology, Physics or Mathematics</i>	
<b>Pharmacology</b>	<i>Chemistry and two from Physics, Mathematics or Biology</i>	
<b>Primary Education</b>	<i>Many institutions require students to have studied at least one National Curriculum subject at A Level. Maths, English or Science.</i>	<i>A minimum of 2 weeks work experience is mandatory for entry on many Primary Education programmes. There is no requirement to carry out the work experience all in one go; it can be gained over time, i.e. half a day a week</i>
<b>Physics</b>	<i>Physics and Mathematics are required</i>	<i>Further Mathematics at AS or A2 is an advantage</i>
<b>Physiotherapy</b>	<i>Physical Education/Sports Science and Biology preferred</i>	
<b>Politics</b>	<i>History and English. Good supporting subjects.</i>	<i>Students must have an up to date understanding of the political climate, which would need to be evidenced in the personal statement.</i>
<b>Psychology</b>	<i>Useful A Levels Biology, Mathematics, Psychology and Sociology</i>	
<b>Sports Science</b>	<i>Physical Education or Sports Science and Biology an advantage.</i>	
<b>Veterinary Science</b>	<i>Chemistry, Biology, Mathematics/Physics is required</i>	<i>Candidates must indicate in their personal statement that they have had a minimum of two weeks (or occasional days over a substantial period) work or shadowing experience with a vet and that they are comfortable with large animals (cows/horses). Broad experience of and contact with a wide variety of animals is viewed favourably.</i>

**NOTE: Students must be aware that Universities often change or make additions to entry requirements on a yearly basis. Students must carry out their own research regarding entry requirements for the course(s) they are interested in studying post A Level.**