

ADVANCED LEVEL SUBJECTS REQUIRED FOR UNIVERSITY COURSES

In order to help advise students on which AS/A2 subjects to study, the accompanying table is intended to act as a guide of Advanced Level subjects required for University courses.

UNIVERSITY COURSE	ADVANCED LEVEL SUBJECTS REQUIRED OR PREFERRED	ADDITIONAL INFORMATION
Accountancy, Finance, Business and Management	Mathematics and Economics are required for many top Universities. Business Studies and BTED Business are advantageous	Since requirements vary considerably depending on the institution, interested candidates should visit: www.ucas.com/students/coursesearch
Architecture	Mathematics usually specified, plus one additional Science (Physics preferred due to its numerical nature). A2 Level Art an advantage	A portfolio of drawings and sketches must be developed and is required for interview
Art-related Degrees	Art	A portfolio of artwork is required for interview. Students intending to study Art at University are commonly required to study an Art Foundation course first
Biochemistry	Chemistry and two from Biology Physics or Mathematics	
Biological Sciences	Biology and Chemistry	
Chemistry	Chemistry and Mathematics to at least AS A2 Level for Oxbridge and top Universities	
Computer Science	Mathematics and Physics frequently require. ICT advantageous	
Dentistry	Chemistry and Biology required to A2 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.
Drama	English Literature, English Language and Drama & Theatre Studies are advantageous subjects	English requested for combined courses with English. Drama & Theatre Studies is helpful
Economics	Mathematics essential for top Universities, with Economics highly advantageous	Further Mathematics required for certain top Universities and Oxbridge colleges
Engineering	Physics and Mathematics required with Chemistry also needed for Chemical Engineering	Due to the variety of engineering courses, students are encouraged to visit www.ucas.com/students/coursesearch to find out the requirements for specific courses
English	English Literature	
Geography (BA Hons or BSc)	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 www.ucas.com/students/coursesearch for requirements
History	History is essential. Government & Politics is advantageous	
Journalism	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 in order to provide evidence of a real passion for the subject</i>
Law	<i>None specified – although subjects such as History, English Literature and Government & 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>
Mathematics	<i>Mathematics required. Further Mathematics required for Oxbridge and frequently preferred for other top Universities. Physics is advantageous</i>	
Medicine	<i>Chemistry required to A2 Level. Biology usually required to at least AS 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>
Modern Languages: French Spanish	<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>
Optometry	<i>Two from Chemistry, Biology, Physics or Mathematics</i>	
Pharmacology	<i>Chemistry and two from Physics, Mathematics or Biology</i>	
Primary Education	<i>Many institutions require students to have studied at least one National Curriculum subject at A2 Level. Maths, English or Science.</i>	<i>A minimum of 2 weeks work experience is mandatory for entry on to 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>
Physics	<i>Physics and Mathematics are required</i>	<i>Further Mathematics at AS or A2 is an advantage</i>
Physiotherapy	<i>Physical Education/Sports Science and Biology preferred</i>	
Politics	<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>
Psychology	<i>Useful A Levels Biology, Mathematics, Psychology and Sociology</i>	
Sports Science	<i>Physical Education or Sports Science and Biology an advantage.</i>	
Veterinary Science	<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.