**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.*

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| **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*](http://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*](http://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 needed for a degree in Journalism and therefore are viewed favourably by many Universities* | *Due to the competitive nature of Journalism courses, students are advised to seek a period of work experience prior to submitting their UCAS application in order to providence evidence of a real passion for the subject* |
| ***Law*** | *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* | *Work experience is looked on favourably by the top Universities* |
| ***Mathematics*** | *Mathematics required. Further Mathematics required for Oxbridge and frequently preferred for other top Universities. Physics is advantageous* |  |
| ***Medicine*** | *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* | *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* |
| ***Modern Languages:***  ***French***  ***Spanish*** | *French*  *Spanish* | *Degree courses are available in single languages but more often as joint honours or in a combination with other disciplines* |
| ***Optometry*** | *Two from Chemistry, Biology, Physics or Mathematics* |  |
| ***Pharmacology*** | *Chemistry and two from Physics, Mathematics or Biology* |  |
| ***Primary Education*** | *Many institutions require students to have studied at least one National Curriculum subject at A2 Level. Maths, English or Science.* | *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* |
| ***Physics*** | *Physics and Mathematics are required* | *Further Mathematics at AS or A2 is an advantage* |
| ***Physiotherapy*** | *Physical Education/Sports Science and Biology preferred* |  |
| ***Politics*** | *History and English. Good supporting subjects.* | *Students must have an up to date understanding of the political climate, which would need to be evidenced in the personal statement.* |
| ***Psychology*** | *Useful A Levels Biology, Mathematics, Psychology and Sociology* |  |
| ***Sports Science*** | *Physical Education or Sports Science and Biology an advantage.* |  |
| ***Veterinary Science*** | *Chemistry, Biology, Mathematics/Physics is required* | *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.* |

***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.***

*Admin/6thA Level requirements for Universities*