



Which options should I choose for my future plans?

Course	Essential advanced level qualifications	Useful advanced level qualifications
Accountancy (also Banking/Finance/Insurance)	Usually none, although one or two universities require Mathematics.	Mathematics, Business Studies.
Actuarial Science/ Studies	Mathematics.	Business Studies.
Aeronautical Engineering	Mathematics and Physics.	ICT.
Anthropology	None.	A small number of courses like a Science A Level such as Biology.
Archaeology	None.	Geography, History or science subjects can all be useful.
Architecture	Some courses say they want an arts/ science mix. Some may require Art.	Art, Mathematics and Physics and Physics. A portfolio of ideas may be requested.
Art and Design	Art or Design Technology.	Design Technology, Art & Design. Do note that most entrants onto Art and Design degrees will have done a one-year Art Foundation Course after completing Year 13.
Biochemistry	Always Chemistry and some universities will say you must have Biology as well, while some will say Chemistry plus one from Mathematics/Physics/Biology. Doing Chemistry, Biology and Mathematics or Physics will keep all Biochemistry courses open to you.	Biology, Mathematics, Physics.
Biology	Biology, usually Chemistry. A few universities specify two sciences.	Mathematics or Physics.
Biomedical Sciences (including Medical Science)	Normally two from Biology, Chemistry, Mathematics and Physics. Chemistry is essential for some courses.	Mathematics, Biology, Chemistry, Physics.
Business Studies	None.	Mathematics, Business Studies.

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Chemical Engineering	Chemistry and Mathematics and sometimes Physics as well.	Physics, Biology.
Chemistry	Chemistry and occasionally Mathematics. Most courses require Chemistry and would like Mathematics and one other science subject (for example, Physics or Biology).	Mathematics, Further Mathematics, Physics, Biology.
Childhood Studies	None.	Health and Social Care.
Civil Engineering	Mathematics, in many cases Physics. Sometimes one of Physics or Chemistry.	Geography.
Computer Science	None .	ICT, Physics.
Dentistry	Chemistry and Biology for most courses, but some require Mathematics or Physics as well.	Mathematics, Physics.
Dietetics	Chemistry, Biology.	Mathematics.
Drama	Some courses require English Literature and for a few courses English and/or Theatre Studies.	Literature and Language, Theatre Studies.
Economics	Usually Mathematics.	Economics, History, Business Studies.
Electrical/Electronic Engineering	Mathematics, usually Physics.	None.
Engineering (General)	Mathematics and Physics.	None.
English	English Literature or combined English Language and Literature (some courses will accept English Language).	History, Religious Studies, a foreign language.
Environmental Science/Studies	Many courses will ask for two from Biology, Chemistry, Mathematics, Physics and Geography.	Another facilitating subject, particularly a science.
European Studies	A Modern Foreign Language.	Another Modern Foreign Language, English Literature, History.
French	French.	Another Modern Foreign Language, English Literature, History.

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Geography	Most degrees require Geography.	Some Geography BSc (science) degrees prefer one from Biology, Chemistry, Mathematics or Physics.
Geology/ Earth Sciences	Usually two from Mathematics, Physics, Chemistry and Biology.	Geography.
German	German (a handful of universities offer the opportunity to study German from scratch, without German A-level).	Another Modern Foreign Language, English Literature, History.
History	Most degrees require History.	English Literature, Philosophy, Politics, a modern language.
History of Art	None.	Art, English Literature, History, Theology/ Religious Studies, French, German, Spanish.
Italian	Italian or another language such as French, German or Spanish.	Another Modern Foreign Language, English Literature, History.
Law	Usually none, although a few universities require English.	History; other facilitating subjects. There really are no essential subjects for Law. Maybe one choice should involve essay or report writing. History gives you good relevant skills for Law but is not essential.
Management Studies	Sometimes Mathematics.	Mathematics, Business Studies.
Materials Science (including Biomedical Materials Science)	Normally two from Chemistry, Mathematics, Physics, Biology.	Chemistry.
Mathematics	Mathematics and sometimes Further Mathematics.	Physics.
Mechanical Engineering	Mathematics, usually Physics.	Mechanical Engineering departments may have a preference for Mathematics A-levels with a strong mechanics component.
Media Studies (including Communication Studies)	A few courses ask for English or Media Studies.	English, Media Studies, Sociology, Psychology.
Medicine	If you do Chemistry, Biology and one from Mathematics or Physics you will keep all the medical schools open to you. If you do Chemistry and Biology you will keep open the vast majority. If you do Chemistry and one from Mathematics and Physics you will limit your range of choices much more.	None.

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Music	For most traditional courses, Music and Grade VII/VIII, although some universities will consider candidates without A-level Music.	Some universities have a preference for at least one essay-based subject.
Nursing and Midwifery	Usually Biology or another science.	Biology, Health & Social Care, Chemistry, Mathematics, Physics.
Occupational Therapy	Some courses ask for Biology.	Physical Education, or another science.
Optometry (Ophthalmic Optics)	Two from Biology, Chemistry, Mathematics or Physics (some courses prefer Biology as one of the choices).	None.
Orthoptics	Biology.	Chemistry, Mathematics, Physics.
Pharmacy	Chemistry and one from Biology, Mathematics and Physics keeps the vast majority of courses open to you. Some courses like to see Chemistry, Biology and Mathematics. Doing Chemistry and Biology keeps most courses open.	Mathematics, Physics.
Philosophy	None.	Mathematics, and Religious Studies/Theology.
Physics	Mathematics, Physics.	Chemistry.
Physiotherapy	Most courses will consider you with just Biology. However, some also require a second science from Chemistry, Mathematics or Physics.	Chemistry, Mathematics, Physics.
Planning	Sometimes Geography.	Geography, Mathematics.
Politics	Usually none.	Religious Studies, Business Studies, History, English Literature.
Psychology	A few courses ask for one from Biology, Chemistry, Mathematics, Physics.	Biology, Mathematics.
Religious Studies/ Theology	None.	Religious Studies, Philosophy, English Literature, History.
Sociology	None.	Geography.

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Course	Essential advanced level qualifications	Useful advanced level qualifications
Spanish	Spanish (some degrees will also consider French, German or Italian).	Another Modern Foreign Language, English Literature, History.
Speech Therapy	Some universities want a science such as Biology, Chemistry or Physics. Some specify Biology, but some degrees will consider candidates with none of these.	A modern foreign language (for example, French, German, Spanish, Italian), English Language (and Literature).
Sports Science/ Physical Education	Many courses want to see one from Biology/Chemistry/Mathematics/Physics (some courses will treat Physical Education as a science equivalent).	Physical Education.
Surveying	None.	For some types of Surveying e.g. Building Surveying, Mathematics and Physics could be helpful. For Estate Management (General Practice Surveying) most A-level combinations will be considered.
Teacher Training (Primary and/or Secondary)	(those best for Primary Teaching shown in italics): At least one from Art, Biology, CACHE, Chemistry, Computing, Design and Technology, Drama (Theatre Studies), <i>English</i> , French, <i>Geography</i> , <i>German</i> , <i>History</i> , ICT, Italian, <i>Mathematics</i> , <i>Music</i> , <i>Physics</i> , <i>Physical Education</i> , <i>Religious Studies</i> (Theology), Spanish.	Another of the subjects listed above.
Veterinary Science	You should do Chemistry and Biology and one from Mathematics/Physics so that you have all universities open to you.	None.