

## Matrix of IB prerequisites for university

This Matrix contains general guidelines that are a starting point for determining whether university courses of interest have IB prerequisites. A **prerequisite** is a subject that is required as a prior condition to be qualified to apply for a specific course. Some university courses have specific prerequisites and some may have stated preferences for IB subjects and levels. There are many courses that have no IB prerequisites at all. The list here is for guidance only as requirements for specific programmes can change. It is essential that students conduct their own research to ensure their IBDP subject package meets their needs.

	United Kingdom	Australia	Canada	USA	Singapore
<b>Architecture</b> (may require portfolio, interview or exam)	check Mathematics requirement on <a href="http://www.ucas.com">www.ucas.com</a> ; recommend DT or Visual Arts for portfolio	may require HL Visual Arts	may require Physics and Chemistry at HL/SL and Mathematics HL or SL Analysis; recommend two Sciences	recommend HL Mathematics, Physics or Visual Arts; recommend DT or Visual Arts for portfolio	recommend Chemistry or Physics and SL/HL Mathematics Analysis or HL Applications
<b>Art and Design, Performing Arts</b> (may require portfolio or audition)	usually require relevant IB subject, recommend at HL	may require Visual Arts for both Art and Design courses	recommend relevant IB subject	recommend relevant IB subject	recommend relevant IB subject
<b>Business/Commerce</b> (IB Business Management not required)	check Mathematics requirement on <a href="http://www.ucas.com">www.ucas.com</a> <i>(a few highly selective programmes prefer HL Analysis)</i>	recommend SL/HL Mathematics Analysis or HL Applications	recommend SL/HL Mathematics Analysis or HL Applications	no specific prerequisites <i>(a few highly selective programmes prefer HL Analysis)</i>	recommend SL/HL Mathematics Analysis or HL Applications
<b>Computer Science</b> (IB Computer Science not required)	check Mathematics requirement on <a href="http://www.ucas.com">www.ucas.com</a> ; recommend HL Mathematics	recommend SL/HL Mathematics Analysis or HL Applications	recommend SL/HL Mathematics Analysis; may require Chemistry and Physics at HL or SL	no specific prerequisites; recommend HL Computer Science <i>(a few highly selective programmes prefer HL Analysis)</i>	may require HL Computer Science, Mathematics or Physics
<b>Economics/Politics, Philosophy and Economics (PPE)</b>	check Mathematics requirement on <a href="http://www.ucas.com">www.ucas.com</a> <i>(a few highly selective programmes prefer HL Analysis)</i>	may require SL/HL Mathematics Analysis or HL Applications	may require SL/HL Mathematics Analysis or HL Applications	no specific prerequisites	Recommend SL/HL Mathematics Analysis or HL Applications
<b>Engineering</b>	check Mathematics requirement on <a href="http://www.ucas.com">www.ucas.com</a> ; recommend HL Mathematics and Physics	recommend HL Mathematics and one HL Science	usually require Chemistry and Physics at SL or HL <i>(a few highly selective programmes prefer HL Analysis)</i>	recommend HL Mathematics and HL Physics <i>(a few highly selective programmes prefer HL Analysis)</i>	may require HL Mathematics, HL Chemistry or HL Physics

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<b>English literature</b>	recommend English Literature at HL	recommend English Literature at HL	recommend English Literature at HL	no specific IB requirements	no specific IB requirements
<b>Humanities/ Bachelor of Arts</b>	usually require relevant subject at HL if offered in IB (e.g., History, Philosophy)	no specific IB requirements	no specific IB requirements	no specific IB requirements	no specific IB requirements
<b>Social Sciences/ Bachelor of Science</b>	check Mathematics requirement on www.ucas.com; recommend relevant subject at HL if offered in IB (e.g., Geography)	recommend SL/HL Mathematics Analysis or HL Applications	recommend SL/HL Mathematics Analysis or HL Applications	no specific IB requirements	no specific IB requirements
<b>Science</b>	check Mathematics requirement on www.ucas.com; recommend two Sciences	may require SL/HL Mathematics Analysis or HL Applications and one SL/HL Science	may require SL/HL Mathematics Analysis or HL Applications; usually requires two lab Sciences	no specific IB requirements	may require two at HL of: Biology, Chemistry, Physics, Mathematics, Computer Science
<b>Law</b>	recommend essay based subject at HL (Scottish unis may require Literature HL)	no specific IB requirements	<i>not available as undergraduate option</i>	<i>not available as undergraduate option</i>	may require specific grade in SL English
<b>Medicine</b>	requires HL Chemistry and one other HL Science; recommend HL Biology	recommend HL Chemistry	<i>not available as undergraduate option</i>	<i>not available as undergraduate option</i>	usually require HL Chemistry and HL Biology or HL Physics
<b>Psychology</b> (IB Psychology not required)	check Mathematics requirement on www.ucas.com for BSc courses; recommend HL Psychology and another HL science	may require SL/HL Mathematics Analysis or HL Applications	BSc may require two lab sciences and SL/HL Mathematics Analysis or HL Applications ( <i>not required for Bachelor of Arts</i> )	no specific prerequisites	may require SL/HL Mathematics Analysis or HL Applications