

Mathematics with Physics: Entry Requirements by College for 2024 Entry

The table below details A Level and International Baccalaureate requirements for this course by College, plus any additional requirements. Colleges may still vary offers to take account of individual circumstances. **This information is for 2024 entry (or deferred entry for 2025).**

Subject requirements

All Colleges require: A Level/IB Higher Level Mathematics*, A Level Further Mathematics (A Level students only), STEP

Some Colleges require: A Level/IB Higher Level in a science subject; A Level/IB Higher Level Physics

*Please note, IB applicants are expected to take IB Higher Level 'Analysis and Approaches' for any course where Mathematics is a requirement. If this option is not available at your school, please contact a College for further advice and guidance.

All applicants made an offer will be required to sit STEP in June (details below).

Some Colleges may require applicants for Mathematics with Physics to take a written assessment if shortlisted for interview. You will not need to register in advance for this assessment and the Colleges will provide details directly to you. For more information, see www.cam.ac.uk/assessments.

Interviews

For more details about interviews for 2024 entry, please see www.cam.ac.uk/interviews.

College	A Level Entry Requirements	IB Entry Requirements	Other Entry Requirements	Admission Assessment
Christ's	Typical offer: A*A*A A Level Mathematics, Physics and Further Mathematics	Typical offer: 42, 776 IB Higher Level Mathematics and Physics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required

College	A Level Entry Requirements	IB Entry Requirements	Other Entry Requirements	Admission Assessment
Churchill	Typical offer: A*A*A A* in A Level Further Mathematics and A* in A Level Physics	Typical offer: 41-43, 776-777 7 in IB Higher Level Mathematics and 7 in IB Higher Level Physics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	Written assessment: Cambridge College registered
Clare	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 42, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required
Corpus Christi	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 41-42, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required
Downing	Typical offer: A*A*A A Level Mathematics, A Level Further Mathematics, and A Level Physics	Typical offer: 41-43, 776 IB Higher Level Mathematics, IB Higher Level Physics	STEP Typical offer: Grade 1,1 in STEP 2 and 3 Flexible offer scheme: Depending on individual circumstances, we may make an A Level applicant an offer which will be met if they achieve either A*A*A with at least grade 1 in both of STEP papers 2 and 3 OR A*A*A* with at least grade 1 in either STEP paper 2 or 3 (both papers to be taken).	No assessment required

College	A Level Entry Requirements	IB Entry Requirements	Other Entry Requirements	Admission Assessment
Emmanuel	Typical offer: A*A*A A* in Mathematics, A* in Further Mathematics A Level Physics or all Mechanics options within Further Mathematics to be taken	Typical offer: 41-42, 776 7 in IB Higher Level Mathematics and 7 in IB Higher Level Physics	STEP Typical offer: Grade 1,1 in STEP 2 and 3 Flexible offer scheme: Depending on individual circumstances, we may make an A Level applicant an offer which will be met if they achieve either A*A*A with at least grade 1 in both of STEP papers 2 and 3 OR A*A*A* with at least grade 1 in either STEP paper 2 or 3 (both papers to be taken).	No assessment required
Fitzwilliam	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 40-42, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3 Flexible offer scheme: Depending on individual circumstances, we may make an A Level applicant an offer which will be met if they achieve either A*A*A with at least grade 1 in both of STEP papers 2 and 3 OR A*A*A* with at least grade 1 in either STEP paper 2 or 3 (both papers to be taken).	No assessment required

College	A Level Entry Requirements	IB Entry Requirements	Other Entry Requirements	Admission Assessment
Girton	Typical offer: A*A*A A* normally specified in Mathematics and Further Mathematics	Typical offer: 41-42, 776 7 normally specified in IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3 Flexible offer scheme: Depending on individual circumstances, we may make an A Level applicant an offer which will be met if they achieve either A*A*A with at least grade 1 in both of STEP papers 2 and 3 OR A*A*A* with at least grade 1 in either STEP paper 2 or 3 (both papers to be taken).	No assessment required
Gonville & Caius	Typical offer: A*A*A A Level Mathematics and A Level Further Mathematics	Typical offer: 42, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required
Homerton	Typical offer: A*A*A A* in A Level Mathematics and A* in A Level Further Mathematics	Typical offer: 40-42, 776 7 in IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required
Hughes Hall	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 40-42, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required

College	A Level Entry Requirements	IB Entry Requirements	Other Entry Requirements	Admission Assessment
Jesus	Typical offer: A*A*A A* in A Level Mathematics and A* in A Level Further Mathematics	Typical offer: 42, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3 Flexible offer scheme: Depending on individual circumstances, we may make an A Level applicant an offer which will be met if they achieve either A*A*A with at least grade 1 in both of STEP papers 2 and 3 OR A*A*A* with at least grade 1 in either STEP paper 2 or 3 (both papers to be taken).	No assessment required
King's	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 42-43, 777 IB Higher Level Mathematics	STEP Typical offer: Grade 1, 1 or 1,2 or S,1 in STEP 2 and 3 Flexible offer scheme: Depending on individual circumstances, we may make an A Level applicant an offer which will be met if they achieve either A*A*A with at least grade 1 in both of STEP papers 2 and 3 OR A*A*A* with at least grade 1 in either STEP paper 2 or 3 (both papers to be taken).	Written assessment: Cambridge College registered

College	A Level Entry Requirements	IB Entry Requirements	Other Entry Requirements	Admission Assessment
Lucy Cavendish	Typical offer: A*A*A A* in A Level Mathematics and A* in A Level Further Mathematics A Level Physics or all Mechanics options within Further Mathematics to be taken	Typical offer: 42, 776 7 in IB Higher Level Mathematics and 7 in IB Higher Level Physics	STEP Typical offer: Grade 1,1 in STEP 2 and 3 Flexible offer scheme: Depending on individual circumstances, we may make an A Level applicant an offer which will be met if they achieve either A*A*A with at least grade 1 in both of STEP papers 2 and 3 OR A*A*A* with at least grade 1 in either STEP paper 2 or 3 (both papers to be taken).	No assessment required
Magdalene	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 42, 777 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	Written assessment: Cambridge College registered
Murray Edwards	Typical offer: A*A*A A Level Mathematics and Further Mathematics A* in Further Mathematics and A* in Physics (if offered)	Typical offer: 42, 776 7 in IB Higher Level Mathematics and 7 in IB Higher Level Physics (if offered)	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required

College	A Level Entry Requirements	IB Entry Requirements	Other Entry Requirements	Admission Assessment
Newnham	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 41, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3 Flexible offer scheme: Depending on individual circumstances, we may make an A Level applicant an offer which will be met if they achieve either A*A*A with at least grade 1 in both of STEP papers 2 and 3 OR A*A*A* with at least grade 1 in either STEP paper 2 or 3 (both papers to be taken).	No assessment required
Pembroke	Typical offer: A*A*A A* in A Level Mathematics and A* in A Level Further Mathematics	Typical offer: 40-43, 776-777 7 in IB Higher Level Mathematics	STEP Typical offer: Grade 1, 1 to S,1 in STEP 2 and 3	No assessment required
Peterhouse	Typical offer: A*A*A A Level Mathematics, A Level Physics or Further Mathematics including the section on mechanics	Typical offer: 40-42, 776-777 IB Higher Level Mathematics and Physics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required
Queens'	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 40-42, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required

College	A Level Entry Requirements	IB Entry Requirements	Other Entry Requirements	Admission Assessment
Robinson	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 40-42, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required
St Catharine's	Typical offer: A*A*A A Level Mathematics A* in A Level Further Mathematics	Typical offer: 40-42, 776 7 in IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required
St Edmund's	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 40-42, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	Written assessment: Cambridge College registered
St John's	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 42, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required
Selwyn	Typical offer: A*A*A-A*A*A A Level Mathematics and Further Mathematics May specify A* in certain subjects	Typical offer: 42-43, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required

College	A Level Entry Requirements	IB Entry Requirements	Other Entry Requirements	Admission Assessment
Sidney Sussex	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 41-42, 776 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3 Flexible offer scheme: Depending on individual circumstances, we may make an A Level applicant an offer which will be met if they achieve either A*A*A with at least grade 1 in both of STEP papers 2 and 3 OR A*A*A* with at least grade 1 in either STEP paper 2 or 3 (both papers to be taken).	No assessment required
Trinity	Typical offer: A*A*A A Level Mathematics and Further Mathematics	Typical offer: 42, 776- 777 IB Higher Level Mathematics	STEP Typical offer: Grade 1,1 in STEP 2 and 3	No assessment required
Trinity Hall	Typical offer: A*A*A A Level Mathematics, Further Mathematics and Physics (or Mathematics and Further Mathematics including the section on Mechanics)	Typical offer: 41-42, 776 IB Higher Level Mathematics and Physics	STEP Typical offer: Grade 1,1 in STEP 2 and 3 Flexible offer scheme: Depending on individual circumstances, we may make an A Level applicant an offer which will be met if they achieve either A*A*A with at least grade 1 in both of STEP papers 2 and 3 OR A*A*A* with at least grade 1 in either STEP paper 2 or 3 (both papers to be taken).	No assessment required
Wolfson	<i>Course not offered at this College</i>			

