

Progression Routes – STEM and Engineering, 2024-25

University of Glasgow



- These progression routes are for students studying on the following SWAP programmes: Access to STEM (Science, Technology, Engineering and Maths) and other suitable programmes containing Higher units in mathematics and physics/chemistry.

University	Degree name	Entry requirements	Special requirements/comments
<p>• The University of Glasgow offers a range of subjects that may be taken as single or joint degrees. Please consult the online undergraduate degree information, including the ‘degrees and UCAS codes’ section to view all joint subject combinations ensure and you use the correct course code when applying through UCAS. All undergraduate degrees are listed alphabetically here: https://www.gla.ac.uk/undergraduate/degrees/ .</p> <p>• Please also ensure you have read and understood the degree structure, which is available here - https://www.gla.ac.uk/undergraduate/choosingyourdegree/ .</p> <p>• The University of Glasgow has set up Articulation Programmes in partnership with local Colleges. These programmes allow students on bespoke college HNCs to articulate directly into Year 2 of certain undergraduate life science degree programmes. Please see *further information at end of this document and also consult this web page: https://www.gla.ac.uk/study/wp/hncarticulation/#lifesciences(bsci) .</p> <p>• SWAP Profile</p> <ul style="list-style-type: none"> – Higher Maths and or Physics is required for physics, computing and engineering courses. Students will be required to show a very good level of mathematics in order to progress to engineering degrees, in particular. This will be reflected in the final student profile. Additional maths study may be required. Summer school maths is highly recommended for all students. All students need to be appreciate that additional maths study will be required to be successful. – For chemistry degrees, Higher Chemistry and Maths are required. Chemical Physics requires Higher Chemistry, Maths and Physics. – The A profile grade relates to your general performance Higher maths or physics units (or chemistry if applicable). – 			
University of Glasgow	Aeronautical Engineering, BEng (Hons)	Pass all units and ABB student profile	*SWAP students can also apply to a University of Glasgow Articulation Programme . These programmes offer supported transition from HNC direct into year two of this University of Glasgow degree.
University of Glasgow	Aerospace Engineering, BEng (Hons)	Pass all units and ABB student profile	*SWAP students can also apply to a University of Glasgow Articulation Programme . These programmes offer supported transition from HNC direct into year two of this University of Glasgow degree.

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University of Glasgow	Aerospace Systems, BEng (Hons)	Pass all units and ABB student profile	*SWAP students can also apply to a University of Glasgow Articulation Programme . These programmes offer supported transition from HNC direct into year two of this University of Glasgow degree.
University of Glasgow	Archaeology, BSc (Hons)	Pass all units and ABB student profile	
University of Glasgow	Astronomy, BSc (Hons)	Pass all units and ABB student profile	
University of Glasgow	Biomedical Engineering, BEng (Hons)	Pass all units and ABB student profile	Students may require biology. Please contact SWAP office. *SWAP students can also apply to a University of Glasgow Articulation Programme . These programmes offer supported transition from HNC direct into year two of this University of Glasgow degree.
University of Glasgow	Chemistry, BSc (Hons)	Pass all units and ABB student profile	Higher Mathematics and Chemistry required.
University of Glasgow	Chemistry with Medicinal Chemistry, BSc (Hons)	Pass all units and ABB student profile	Higher Mathematics and Chemistry required.
University of Glasgow	Chemical Physics, BSc (Hons)	Pass all units and ABB student profile	Higher Maths, Physics <u>and</u> Chemistry required. Discuss with SWAP if further advice is required.

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University	Degree name	Entry requirements	Special requirements/comments
University of Glasgow	Civil Engineering, BEng (Hons)	Pass all units and ABB student profile	*SWAP students can also apply to a University of Glasgow Articulation Programme . These programmes offer supported transition from HNC direct into year two of this University of Glasgow degree.
University of Glasgow	Civil Engineering with Architecture, BEng (Hons)	Pass all units and ABB student profile	
University of Glasgow	Computing Science, BSc (Hons)	Pass all units and ABB student profile	
University of Glasgow	Design & Technology Education, MDTechEd (Technical Education)	Pass all units and ABB student profile	For GTCS registration, SCQF Level 6 Communications, Literature 1 and grade B National 5 Mathematics are required.
University of Glasgow	Electronic and Software Engineering, BEng (Hons)	Pass all units and ABB student profile	*SWAP students can also apply to a University of Glasgow Articulation Programme . These programmes offer supported transition from HNC direct into year two of this University of Glasgow degree.
University of Glasgow	Electronics and Electrical Engineering, BEng (Hons)	Pass all units and ABB student profile	*SWAP students can also apply to a University of Glasgow Articulation Programme . These programmes offer supported transition from HNC direct into year two of this University of Glasgow degree.
University of Glasgow	Electronics With Music, BEng (Hons)	Pass all units and ABB student profile	Music Qualification also required. Please check with SWAP office.

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University of Glasgow	Environmental Geoscience, BSc, (Hons)	Pass all units and ABB student profile	
University of Glasgow	Geology, BSc, (Hons)	Pass all units and ABB student profile	
University of Glasgow	Materials Chemistry, BSc (Hons)	Pass all units and ABB student profile	Higher Mathematics and Chemistry required.
University of Glasgow	Mathematics, BSc (Hons)	Pass all units and ABB student profile	
University of Glasgow	Mechanical Design Engineering, BEng (Hons)	Pass all units and ABB student profile	*SWAP students can also apply to a University of Glasgow Articulation Programme . These programmes offer supported transition from HNC direct into year two of this University of Glasgow degree.
University of Glasgow	Mechanical Engineering, BEng (Hons)	Pass all units and ABB student profile	*SWAP students can also apply to a University of Glasgow Articulation Programme . These programmes offer supported transition from HNC direct into year two of this University of Glasgow degree.
University of Glasgow	Mechanical Engineering with Aeronautics, BEng (Hons)	Pass all units and ABB student profile	*SWAP students can also apply to a University of Glasgow Articulation Programme . These programmes offer supported transition from HNC direct into year two of this University of Glasgow degree.

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University	Degree name	Entry requirements	Special requirements/comments
University of Glasgow	Mechatronics, BEng (Hons)	Pass all units and ABB student profile	*SWAP students can also apply to a University of Glasgow Articulation Programme . These programmes offer supported transition from HNC direct into year two of this University of Glasgow degree.
University of Glasgow	Physics/Theoretical Physics, BSc (Hons)	Pass all units and ABB student profile	
University of Glasgow	Physics with Astrophysics, BSc (Hons)	Pass all units and ABB student profile	
University of Glasgow	Product Design Engineering, BEng (Hons)	Pass all units and ABB student profile	
University of Glasgow	Robotics and Artificial Intelligence, BEng (Hons)	Pass all units and ABB student profile	
University of Glasgow	Software Engineering, BEng (Hons)	Pass all units and ABB student profile	
University of Glasgow	Statistics, BSc (Hons)	Pass all units and ABB student profile	

Please see the following page for information on the University of Glasgow’s HNC Articulation programmes, an alternative route to degrees at the university.

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University	Degree name	Entry requirements	Special requirements/comments
*HNC Articulation Programmes			
<p>SWAP students can also apply for a University of Glasgow HNC Articulation Programme. These programmes offer supported transition from a bespoke college HNC directly into Year 2 of certain engineering degrees. With this supported progression from college to the University of Glasgow, these programmes provide an excellent opportunity for SWAP students who feel they may benefit from another year of study at college.</p> <p>These programmes have been set up with Glasgow Kelvin and Ayrshire for entry into the following subject areas: Aeronautical Engineering, Aerospace Systems, Biomedical Engineering, Civil Engineering, Electronics and Electrical Engineering, Mechanical Engineering, Mechanical Design Engineering, Mechanical Engineering with Aeronautics, and Mechatronics.</p> <p>Please also see this web page: https://www.gla.ac.uk/study/wp/hncarticulation/#engineering(beng)</p> <p>Entry Requirements for SWAP students:</p> <p>Colleges and courses:</p> <p>Please apply for these courses via the college websites at the links below:</p> <ul style="list-style-type: none">• Glasgow Kelvin College (Springburn): https://www.glasgowkelvin.ac.uk/courses/mechanical-engineering-hnc-glasgow-university• Ayrshire College (Kilmarnock): HNC Mechanical Engineering (University of Glasgow): https://www1.ayrshire.ac.uk/courses/HNC_Mechanical_Engineering_(Progression_to_the_University_of_Glasgow_group) <p>If you have any questions, please contact the University of Glasgow’s Widening Participation Articulation Officer, Daniel Keenan at: daniel.keenan@glasgow.ac.uk.</p>			