

Progression Routes – STEM and Engineering, 2024-25

University of Strathclyde



- 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.
- Strathclyde warmly welcome applications from SWAP students. Their degrees are competitive and arrangements have been made through for example the engineering academy to make these progressions feasible. They have a broad range of degrees for STEM students. Please contact SWAPWest office for further advice if you are considering applying for more than one option at Strathclyde University.

HEI	Degree name	Entry requirements	Special requirements/comments
University of Strathclyde	Architectural Studies, BSc (Hons)	Pass all units, with 70% in maths and AAA student profile	Highly competitive.
University of Strathclyde	Computer and Electronic Systems, BEng (Hons)	Pass all units, with 70% in maths and AAA student profile	Highly competitive. UCAS interview may be required.
University of Strathclyde	Computer Science, BSc (Hons)	AAA	Highly competitive. If an offer is made, we would require Higher Maths at B or successful completion of Strathclyde Summer School with Maths at 60%. If candidates are unsuccessful in being made an offer, then the University recommends HNC/D Computing: Software Development in addition to Higher Maths at B or successful completion of Strathclyde Summer School with Maths at 60%.
University of Strathclyde	Software Engineering, BSc (Hons)	Pass all units and AAA profile grades	Highly competitive. If an offer is made, we would require Higher Maths at B or successful completion of Strathclyde Summer School with Maths at 60%. If candidates are unsuccessful in being made an offer, then the University recommends HNC/D Computing: Software Development in addition to Higher Maths at B or successful completion of Strathclyde Summer School with Maths at 60%.

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HEI	Degree name	Entry requirements	Special requirements/comments
University of Strathclyde	Data Analytics, BSc (Hons)	Pass all units, with 70% in maths and AAA student profile	Successful completion of STEM Summer School may be required
University of Strathclyde	Education with Curricular Studies, BSc (Hons)	HND (or equivalent) in a relevant subject	Apply for this two-year course after an HND in a relevant subject for Technical Education secondary teaching at Strathclyde. Level 6 Communication and Literature 1 (or Higher English at C) required and National 5 Mathematics at C needed to meet GTCS requirements. For further information, please visit the web page at the link below and discuss with SWAPWest: https://www.strath.ac.uk/courses/undergraduate/educationcurricularstudieswithteachingqualification/#whythiscourse .
University of Strathclyde	Prosthetics and Orthotics, BSc (Hons)	Pass all units, with 70% in maths and AAA student profile	Students will require a strong relevant personal statement and will be interviewed. Understanding of the profession is beneficial for personal statement
University of Strathclyde	Maths and Physics degrees	Pass all units, with 70% in maths and AAA student profile	For general information. Prefer students to apply for degree rather than masters options. Can be considered once at University for masters options. Candidates are encouraged to contact Maths degrees with the university prior to applying. STEM summer school is recommended.

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HEI	Degree name	Entry requirements	Special requirements/comments
University of Strathclyde	Mathematics, BSc (Hons)	Pass all units, with 70% in maths and AAA student profile	Successful completion of STEM Summer School may be required.
University of Strathclyde	Mathematics and Computer Science, BSc (Hons)	Pass all units, with 70% in maths and AAA student profile	Successful completion of STEM Summer School may be required.
University of Strathclyde	Mathematics and Physics, BSc (Hons)	Pass all units, with 70% in maths and AAA student profile	Successful completion of STEM Summer School may be required.
University of Strathclyde	Mathematics and Statistics, BSc (Hons)	Pass all units, with 70% in maths and AAA student profile	Successful completion of STEM Summer School may be required.
University of Strathclyde	Mathematics, Statistics and Accounting, BSc (Hons)	Pass all units, with 70% in maths and AAA student profile	Successful completion of STEM Summer School may be required; highly competitive
University of Strathclyde	Mathematics, Statistics and Business Analysis, BSc (Hons)	Pass all units, with 70% in maths and AAA student profile	Successful completion of STEM Summer School may be required; Communication 4 and Literature 1 (or equivalent) also required

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HEI	Degree name	Entry requirements	Special requirements/comments
University of Strathclyde	Mathematics, Statistics and Economics, BSc (Hons)	Pass all units, with 70% in maths and AAA student profile	Successful completion of STEM Summer School may be required; Communication 4 and Literature 1 (or Higher English or equivalent) also required
University of Strathclyde	Mathematics, Statistics and Finance, BSc (Hons)	Pass all units, with 70% in maths and AAA student profile	Successful completion of STEM Summer School may be required; Communication 4 and Literature 1 (or equivalent) also required
University of Strathclyde	Mathematics with Teaching, BSc (Hons)	Pass all units, with 70% in maths and AAA student profile	Communication 4 and Literature 1 (or equivalent) required for GTCS requirements; Successful completion of STEM Summer School may be required
University of Strathclyde	Physics, MPhys	Pass all maths units with 70% and Strathclyde Summer School	Access to STEM programmes with appropriate levels of Maths and higher physics. Candidates will be required to attend summer school.
University of Strathclyde	Physics, BSc (Hons)	Pass all maths units with 70% and Strathclyde Summer School	Access to Stem programmes with appropriate levels of Maths and higher physics. Candidates will be required to attend summer school.
University of Strathclyde	Physics with Teaching, BSc (Hons)	Pass all maths units with 70% and Strathclyde Summer School	Access to Stem programmes with appropriate levels of Maths and higher physics. Candidates will be required to attend summer school. Communication 4 and Literature 1 (or equivalent) required for GTC requirements Applicants will be interviewed as part of the GTC requirements. Unsuccessful applicants will be offered a place on the BSc Physics degree, subject to the conditions for the BSc Physics degree.

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HEI	Degree name	Entry requirements	Special requirements/comments
University of Strathclyde	Chemistry degrees	Pass all units, with 70% in maths and AAA student profile. Higher Chemistry units required.	Due to the high level of Chemistry, Maths and Physics in first year, preference is for an Access to STEM programme. Entry is competitive and subject to summer school attendance for Chemistry and Maths. Students will have to complete all higher Chemistry units. If candidates are unsuccessful then the University recommends HNC Applied Science as a route for a re-application. University welcomes adult returner applications and is happy to have a dialogue with potential candidates through their study at college.
University of Strathclyde	Chemistry with Drug Discovery, MChem	Completion of SWAP programme and Strathclyde Summer School	Highly competitive. Successful completion of Strathclyde Summer School with Chemistry and Maths at A. Higher Chemistry units required.
University of Strathclyde	Forensic and Analytical Chemistry, MChem	Completion of SWAP programme and Strathclyde Summer School	highly competitive. Successful completion of Strathclyde Summer School with Maths and Chemistry at A. Higher Chemistry units required.
University of Strathclyde	Chemistry, MChem	Completion of SWAP programme and Strathclyde Summer School	Highly competitive. Successful completion of Strathclyde Summer School with Chemistry and Maths at A and B respectively. Higher Chemistry units required.

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HEI	Degree name	Entry requirements	Special requirements/comments
University of Strathclyde	Engineering degrees	Pass all units, with 70% in maths and AAA student profile	Access to STEM or Access to Engineering programmes with appropriate levels of Maths and Physics (and Chemistry where required). Engineering Academy is the preferred route for all SWAP candidates. Due to employment opportunities. Students progress to 2nd year with engineering academy.
University of Strathclyde	Civil and Environmental Engineering, BEng (Hons)	Pass all units, with 70% in maths and AAA student profile	Engineering Academy is the preferred route.
University of Strathclyde	Civil Engineering, BEng (Hons)	Pass all units, with 70% and in maths units AAA student profile	Engineering Academy is the preferred route.
University of Strathclyde	Electronic and Electrical Engineering, BEng (Hons)	Pass all units, with 70% and in maths units AAA student profile	Engineering Academy is the preferred route.
University of Strathclyde	Manufacturing Engineering and Management, BEng (Hons)	Pass all units, with 70% and in maths units AAA student profile	Engineering Academy is the preferred route.
University of Strathclyde	Mechanical Engineering, BEng (Hons)	BBB student profile for Engineering Academy	Apply through Engineering Academy only. Highly competitive. An Access qualification is not accepted for direct entry to Mechanical Engineering.

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HEI	Degree name	Entry requirements	Special requirements/comments
University of Strathclyde	Mechanical Engineering with International Study BEng (Hons)		This degree is not available through the Engineering Academy. Please apply for BEng Mechanical Engineering through the Engineering Academy. An Access qualification is not accepted for direct entry to Mechanical Engineering with International Study.
University of Strathclyde	Naval Architecture with High Performance Marine Vehicles, BEng (Hons)	Pass all units, with 70% and in maths units AAA student profile	Engineering Academy is the preferred route.
University of Strathclyde	Naval Architecture and Marine Engineering, BEng (Hons)	Pass all units, with 70% and in maths units AAA student profile	Engineering Academy is the preferred route.
University of Strathclyde	Naval Architecture with Ocean Engineering, BEng (Hons)	Pass all units, with 70% and in maths units AAA student profile	Engineering Academy is the preferred route.
University of Strathclyde	Product Design and Innovation, BSc (Hons)	Pass all units, with 70% and in maths units AAA student profile	Engineering Academy is the preferred route.
University of Strathclyde	Product Design Engineering, BEng (Hons)	Pass all units, with 70% and in maths units AAA student profile	Engineering Academy is the preferred route.

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University of Strathclyde	Sports Design Engineering, BEng (Hons)	Pass all units, with 70% and in maths units AAA student profile	Engineering Academy is the preferred route.
University of Strathclyde	Chemical Engineering, BEng (Hons)	Pass all units, with 70% in maths and AAA student profile. Higher Chemistry units required.	Engineering Academy is the preferred route. Apply through Engineering Academy where BBB is accepted (Higher Chemistry units are also required)
University of Strathclyde	Biomedical Engineering, BEng (Hons)	Pass all units, with 70% and in maths units AAA student profile. Higher Biology units required.	Engineering Academy is the preferred route. Will require higher Biology units. Please speak to SWAP office if interested in this route.