



Maths – new 2026

for Bachelor of science in engineering

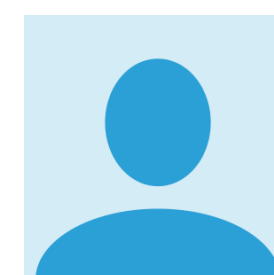
KTH-wide

Government investment in mathematics

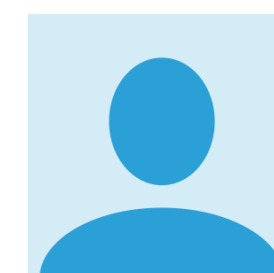
These projects, within the government's maths initiative, aim to strengthen the mathematical skills of Bachelor of Science in Engineering students. According to a President's decision, Future Education has the funds that KTH received from UHR (Swedish Council for Higher Education) in 2026.

Further development of mathematics courses for the 3-year Computer Engineering programme (SCI)

The project continues development of courses delivered from autumn 2025 by the Department of Mathematics for the Bachelor of Science in Computer Engineering (TIDAB). Content, structure and links between courses are revised in *Basic Mathematics*, *Calculus* and *Algebra and Geometry*.



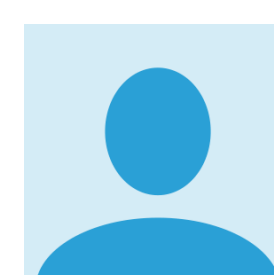
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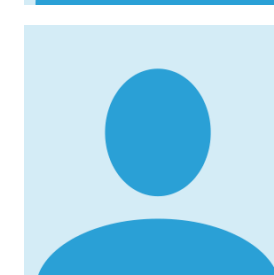
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Development of exercise materials and workshops for Bachelor of Science in Engineering students (SCI)

The project develops practice materials and student-active computer labs and workshops to replace traditional problem-solving sessions in mathematics courses for TIDAB, based on a model from the 5-year engineering programme. The work will be carried out at the Department of Mathematics in 2026.



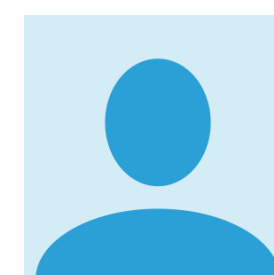
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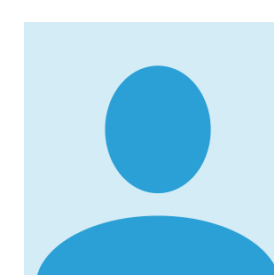
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Multimodal learning activities for Bachelor of Science in Engineering mathematic courses (CBH/EECS)

The project develops a partly digitalised learning environment that strengthens understanding of key course elements. Students are guided from problem to solution through targeted support and interactive, step-by-step exercises that build conceptual understanding and problem-solving skills.



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Conference for teachers on mathematics for Bachelor of Science in Engineering students (SCI)

The project involves a conference for mathematics teachers at KTH teaching Bachelor of Science in Engineering, focused on exchanging experience. It aims to strengthen teaching and competence, and support better coordination and collaboration. It is organized by the Department of Mathematics.



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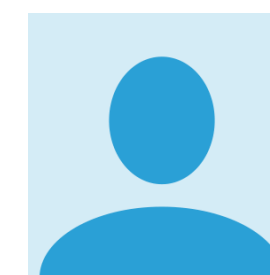
KTH-wide

Government investment in mathematics

These projects involve maths on-call courses, refresher courses, teacher conferences and student completion investigations of multivariable courses. According to the President's decision, Future Education has the funds that KTH received from UHR in 2026 to strengthen engineering education.

Outreach maths support sessions – also for students of Bachelor of science in engineering (SCI)

The project expands the well-attended maths support sessions launched HT25 for Master of Science in Engineering students at Nymble. As of 2026, the sessions, run by the Dep. of Mathematics in collaboration with THS and staffed by assistants and senior teachers, will also include Bachelor students.



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Follow-up national mathematics conference for Master of Science in Engineering programmes, January 2026 (SCI)

The project arranges a national follow-up conference in 2026 run by the Department of Mathematics, building on a 2025 conference. It brings teachers together to share experiences, strengthen competence, foster collaboration, and support long-term development in mathematics education.



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In-depth study of student completion in a calculus in several variables course (SCI)

The project involves an in-depth study of student completion through analysis of statistics, prior knowledge and exam scripts, with comparisons to other universities. It examines differences between student groups, performance of pass and fail students, and the need for additional exam sittings.



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Refresher course for Master of Science in Engineering students who have not passed mathematics exams (ITM)

The project investigates and develops highly automated digital refresher courses and materials in mathematics for students before re-exams, focusing on test of digital automated exams (possibly also development of preparatory materials for new students), based on the SCI's experience.



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