Transform your teaching

Our Science, Technology, Engineering and Mathematics (STEM) in education course takes a critical and connected approach to better equip educators to lead and transform the teaching of STEM disciplines.
Graduate Certificate in Education (STEM in Education)

Real-world learning
The professional learning activities are designed to be immediately relevant to your STEM education practice. You will be prompted to trial your developing ideas and reflect on the outcomes as you study. You will also be encouraged to take advantage of opportunities to learn together with your peers from diverse backgrounds.

Learn from the best
Our teaching staff collectively represent a diverse range of STEM education knowledge, skills and experiences across a wide range of educational contexts. Many of these STEM educators are members of QUT's STEM in Education Research Group and are active in leading the advancement of STEM education and teacher professional learning, locally, nationally and internationally.

This course was developed in consultation with a wide range of stakeholders, including educators in schools and other contexts.

Entry requirements
- A recognised bachelor degree (or higher qualification) in any discipline; or
- A recognised diploma in any discipline with at least two years full-time (or equivalent) professional work experience in any field; or
- Five years full-time (or equivalent) professional work experience in any field

Course structure
To graduate with the Graduate Certificate in Education (STEM in Education) you will need to complete all units in the STEM in Education major. You may only study the STEM in Education major part time.

You also have the option to build your own graduate certificate with units of your choice and graduate with a Graduate Certificate in Education. Depending on the offerings of the units chosen you may complete your graduate certificate full or part time.

Careers and outcomes
This course can enhance outcomes for people in professional, schooling, and other contexts, including the ability to:
- lead the transformation of STEM education in a school or other educational context
- improve your pedagogical content knowledge in STEM, both within and between the disciplines
- better prepare your students for careers of the 21st century
- build your professional networks.

Assessment items or practicum
Your assessment will involve the development of a digital portfolio, which will represent your development of STEM in Education knowledge, understanding and skill. In some instances you can use past teaching practices as an example to critique using your new knowledge, and in other assessment tasks you will develop practices and strategies, which you may be able to incorporate in your future teaching. Importantly, you can tailor your assessment items to your current practice or particular interests.

In each unit, you will undertake individual or group activities and you will be encouraged and supported to use a range of techniques to record your contribution. These may include written documents, media presentations, and other digital artefacts.

Fees
HECS-HELP
You may be eligible for HECS-HELP, a loan scheme to help you pay your course fees, if you are an Australian citizen or hold an Australian permanent humanitarian visa. For other conditions read the HECS-HELP information.

Student Services and Amenities Fee
You’ll need to pay the student services and amenities fee as part of your course costs. You may be eligible for SA-HELP, a loan scheme to help you pay your student services and amenities fee, if you are an Australian citizen or hold an Australian permanent humanitarian visa. For other conditions read the SA-HELP information.

Course articulation
You have the option to keep learning and build towards a Master of Education.

Supportive community
You will have the opportunity to connect with like-minded peers and be encouraged and supported to share ideas as you work towards transforming your teaching and your students’ learning in STEM. You will have access to a range of support services available at QUT. The professional network and relationships developed during the course can continue to benefit you in your future efforts to lead and transform STEM education.