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.
Master of Education - STEM in Education Specialisation

You’ll be supported to fully participate in classes and workshops. The face-to-face workshops are scheduled at convenient times for teachers and other educators. You can choose to participate in these workshops as an online student if you are able to log in to our video conferencing technology at the scheduled times. Alternatively, you can access the recordings of the workshops at a more convenient time for you. There will be other opportunities to connect with your peers and tutors through scheduled support sessions using video-conferencing technology, or online discussion and collaboration forums.

Real-world learning
You can study on campus, online or select a blended approach to suit you.

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Learn from the best
QUT’s 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 Education Research Group and are active in leading the advancement of STEM education and teacher professional learning, locally, nationally and internationally.

Entry requirements
1.5 year program
A recognised bachelor degree (or higher qualification) in any discipline.

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A recognised bachelor degree:
- in any discipline with a minimum GPA of 4.0 (on QUT’s 7 point scale) and a completed recognised graduate certificate (or higher) in the field of education with GPA of 4.0 (on QUT’s 7 point scale); or
- in the field of education with a minimum GPA of 4.0 (on QUT’s 7 point scale) plus a minimum of two years full-time (or equivalent) relevant work experience in teaching or education.

Minimum English requirements
Students must meet the English proficiency requirements.

IELTS (International English Language Testing System)

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<th>Overall</th>
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<tbody>
<tr>
<td>Listening</td>
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<td>Reading</td>
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<td>Writing</td>
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<td>Speaking</td>
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Course structure
To graduate with a Master of Education you are required to complete 144 credit points of course units.

In a standard 1.5 year full-time progression, you will complete three components made up of:
- 48 credit points of one Specialisation or option units
- 48 credit points of a second Specialisation or option units
- 48 credit points of research units* or 36 credit points of research units plus 12 credit points of options.

In a one year full-time progression (having been awarded 48 credit points of advanced standing), you will complete two components made up of:
- 48 credit points of one Specialisation or option units
- 48 credit points of research units* or 36 credit points of research units plus 12 credit points of options.

*If you are intending to pursue higher degree research it is recommended that you complete 48 credit points of research.

Customise your degree
It’s as easy as 1-2-3. You can build the Master of Education to suit your interests and needs. The course has three components:

1. Choose one specialisation OR units of your choice. If you meet the advanced standing requirements for the one-year program, go to component 2.
2. Add a specialisation OR units of your choice.
3. Add a research component tailored to your interests and workplace needs.

Careers and outcomes
This STEM in Education Specialisation 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.

Early exit
You can exit with a Graduate Certificate in Education (STEM in Education) if you have completed the four specialisation units. You can exit the course with a Graduate Certificate in Education following completion of any four masters units.

Research pathways
If you are interested in pursuing higher degree research it is recommended that you include 48 credit points of research units to build your capabilities.