The Graduate Certificate in Educational Studies (GCES) is a four-course experience designed to meet the needs of educators.

Through the certificate, you will learn to:

- Facilitate safe, ethical and equitable access to technology-enhanced learning opportunities to meet the diverse needs of all students.
- Critically assess and integrate current and emerging technologies into the design of authentic, engaging, and effective learning activities that align with content area standards.
- Create and support learning opportunities that challenge students to use a design process and computational thinking to innovate and solve problems.

Applications Open:

November 1 - April 30
(Start in summer term)

For more information:

uab.ca/gces

gcesinfo@ualberta.ca

Rise to the challenges and opportunities of 21st century education.

The Graduate Certificate in Educational Studies (GCES) is for teaching professionals and other educational specialists seeking advanced professional education. The program consists of four courses (12 credits) centered on technology in education.

The Graduate Certificate in Educational Studies is a cohort-based, part-time, varied-delivery program that suits your schedule and timelines.

The Program

Education is continuously evolving alongside the integration of new technologies to support and enhance teaching, learning, and problem-solving. The GCES - Technology in Education disciplinary focus will advance practicing teachers' self-efficacy in leveraging technology to support pedagogy. The courses are designed to blend theory with practice and are co-taught by educational technology leaders and university professors. The certificate is delivered online in a synchronous and asynchronous format.

Courses

Summer

EDU 595 Technology in Schools I
EDU 573 Computational Thinking in Teaching and Learning

Fall

EDU 572 Teaching Online: Theory and Practice

Winter

EDU 570 Technology, Ethics, and Social Justice in Education

The Graduate Certificate may be laddered into some M.Ed. Programs (see reverse).

Admission Requirements

- Four-year baccalaureate degree (or equivalent) from a recognized academic institution and a minimum grade point average (GPA) of 3.0
- Two years of K-12 teaching experience
- English Language Proficiency (more information on website)
Laddering a Graduate Certificate into the Master of Education in Educational Studies (MES-STEM)

A Graduate Certificate in Educational Studies (GCES) in Mathematics Education, Science Education, OR Technology in Education, provides students with up to 12 credits in advanced standing in the MES-STEM program. Students who are admitted with one of these graduate certificates will complete the MES by taking six graduate-level courses (18 credits) - four core courses and two electives - following one of these timelines: (subject to change):

**Starting in Summer 2025**

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<table>
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<th>Summer 2025</th>
<th>Fall 2025</th>
<th>Winter 2026</th>
<th>Spring or Summer 2026</th>
<th>Fall 2026</th>
<th>Winter 2027</th>
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<td>Elective I</td>
<td>EDU 510</td>
<td>EDU 514</td>
<td>Elective II</td>
<td>EDU 515</td>
<td>EDU 900</td>
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**Starting in Fall 2025**

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<th>Summer 2026</th>
<th>Fall 2026</th>
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<td>EDU 900</td>
</tr>
</tbody>
</table>
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Courses to Complete the M.Ed.

**EDU 510 Fundamentals of Educational Research**
Students learn how to understand and apply educational research to educational problems. Specific focus on conceptualizing methods of educational research to specific and individual educational sites and issues.

**EDU 514 Planning for Educational Change**
Students learn how educational research can enhance educational change toward school improvement and focus on the creation of a site-based research proposal, which utilizes appropriate research methods.

**EDU 515 Conducting Educational Research**
Students complete a supervised research assignment specific to their educational context. They will develop and apply knowledge and skills related to data collection, data analysis techniques and research report presentation.

**EDU 900 Program Synthesis**
A reflection and synthesis of learning from the Master of Education in Educational Studies in relation to the concepts of school/educational improvement that are the foundations of the program.

**Plus two graduate-level electives**
*Note: Electives must be taken prior to taking EDU 900, unless permission has been received from the department for an altered course of study. Professional Learning offers a variety of electives; check the website for current offerings, or contact us to determine if the elective you want to take is approved for the program.*

Other Laddering Options
The GCES can also ladder into the M.Ed. Elementary Education - Curriculum and Pedagogy.
Contact essgrad3@ualberta.ca for more information.

Faculty of Education, Professional Learning
Website: uab.ca/prolearn | Contact: pluinfo@ualberta.ca

*Note: Completion of the GCES does not guarantee acceptance into any Master’s program. Course availability is dependent upon sufficient enrollment. Alternate schedules may be available for future years.*