MEd in Curriculum & Instruction: Science, Technology, Engineering, Arts, and Mathematics (STEAM)
Founded in 1905, Concordia University–Portland is an accredited, nonprofit, Christian university committed to sharing our Lutheran values of open discourse, intellectual inquiry, justice, compassion, diversity, and inclusion to prepare leaders for the transformation of society.

Concordia University’s College of Education is one of the most respected names in learning today, empowering educators who are resilient, serve with compassion, and impact lives beyond the classroom. We teach our students how to help their students find their voice. Part of an active, connected network of 20,000 College of Education alumni, Concordia-trained professionals continue to change the world, student by student.

CONCORDIA UNIVERSITY’S MASTER OF EDUCATION PROGRAMS

Our MEd programs offer relevant curricula designed and taught by an engaging faculty that includes teachers, superintendents, and principals in the field. Our five-week classes can be accessed completely online—anytime, anywhere. That convenience paired with clearly defined coursework, realistic deadlines, and the ability to immediately apply what you learn in your classroom are what make our degree programs doable and ideal for your busy working lifestyle. The potential career benefits—from higher pay to promotions—are second only to the reward of realizing the everlasting impact you’ll have on the lives of your students.

The MEd in Curriculum & Instruction core courses and capstone experience are the foundation for this program. You’ll receive individualized instruction that supports your professional and personal goals as you develop your skills as a high-impact educator.

If you’re passionate about next-generation learning, Concordia is the university leading the way and shaping the future of education.
The MEd in Curriculum & Instruction: Science, Technology, Engineering, Arts, and Mathematics (STEAM) program lets you connect transformative PreK-12 education practices with the scientific and mathematical principles of critical thinking, problem solving, and inquiry for your students.

You’ll examine best practices for integrating STEAM principles across the curriculum, Common Core State Standards (CCSS) in Math and Language Arts, and the Next Generation Science Standards (NGSS).

**AT A GLANCE**

- 30 CREDIT-HOUR PROGRAM
- 100% ONLINE
- COMPLETION IN ONE YEAR (with built-in breaks)
- CURRENT AND RELEVANT CURRICULUM
- ACCREDITED BY THE NORTHWEST COMMISSION ON COLLEGES AND UNIVERSITIES (NWCCU)

**PROGRAM OBJECTIVES**

In addition to meeting the objectives and requirements for the MEd in Curriculum & Instruction: Science, Technology, Engineering, Arts, and Mathematics (STEAM) degree program, successful candidates will also demonstrate:

- Expertise in the utilization of new methods of authentic assessment and strategies as tools to evaluate student learning progress in relation to Oregon’s Common Core State Standards and specific district standards
- The ability to modify instructional plans and promote alternative goals and strategies when necessary, particularly in relation to assessment results
- Effective instructional skills in planning, implementing, and assessing instruction in settings that include diverse cultural populations and special needs students
- An understanding of the ways that the specific curricular/instructional area has the potential to be responsive to classroom diversity
- A clear understanding of the moral leadership required of them as advanced scholars in the chosen area of curriculum and instruction

**LET’S CHAT**

**CALL:** 1-888-986-8148  
**APPLY ONLINE:** education.cu-portland.edu/apply  
**QUESTIONS:** education.cu-portland.edu  
**EMAIL:** admissions@education.cu-portland.edu
SCIENCE, TECHNOLOGY, ENGINEERING, ARTS, AND MATHEMATICS (STEAM)

COURSE SEQUENCE

CORE COURSES

EDGR 502
Developing Character Through the Curriculum
3 credits

EDGR 535
Theories of Teaching and Learning
3 credits

EDGR 595
Community of Learners
3 credits

EDGR 602
Contemporary Educational Thought
3 credits

CONCENTRATION COURSES

EDCI 561
Foundations of STEAM Education
3 credits

EDCI 562
STEAM Integration in the PreK-12 Classroom
3 credits

EDCI 563
From Theory to Practice: Developing a STEAM-Enhanced Curriculum
3 credits

EDCI 564
STEAM Program Leadership
3 credits

RESEARCH COURSES

EDGR 601
Educational Research
3 credits

EDGR 698
Action Research (capstone)
3 credits

EDGR 696
Practitioner Inquiry (capstone)
3 credits

SELECT ONE CAPSTONE COURSE
CONCORDIA UNIVERSITY-PORTLAND’S MASTER OF EDUCATION IN CURRICULUM & INSTRUCTION: SCIENCE, TECHNOLOGY, ENGINEERING, ARTS, AND MATHEMATICS (STEAM) IS A 30 CREDIT-HOUR DEGREE PROGRAM.

CORE COURSES

**EDGR 502**
Developing Character Through the Curriculum
3 credits

This course will provide teachers with the resources and skills necessary to integrate character themes and character development into their school curriculum. Course provides a forum in which to discuss and develop one’s own moral perspectives on the basis of generally accepted criteria.

**EDGR 535**
Theories of Teaching and Learning
3 credits

This course is designed to provide leaders with the latest psychological research about learning and guide them in exploring ways to directly apply these precepts to their current work setting. Topics include cognitive science, learning theory, and relevant teaching theories that utilize this information. The course fuses the latest biological and psychological understanding of how the brain learns so candidates can harness this knowledge and apply it directly to learning situations.

**EDGR 595**
Community of Learners
3 credits

Course challenges candidates to confront the tremendous diversity in their current environment and develop strategies to build community in the midst of the social, ethnic, economic, and alternative lifestyle differences that permeate today’s 21st century workplace. Course stresses the critical importance of creating community in the workplace and illustrates how that community can generate an efficient, supportive, and positive workplace.

**EDGR 602**
Contemporary Educational Thought
3 credits

Candidates identify, review, and analyze major trends and issues impacting the contemporary state and national educational scenes. Each class session provides students with an opportunity to evaluate the advantages and liabilities of current educational reforms and issues from the perspective of prevailing educational research as well as from their own personal beliefs and current work environment. Candidates will also consider how they can impact and influence change in their own workplace.
CONCENTRATION COURSES

EDCI 561
Foundations of STEAM Education
3 credits

The application of scientific, technological, engineering, and mathematical skills and principles naturally occurs in those specific content area courses when STEM education is the focus. Throughout this course, candidates will more intentionally focus on STEAM education, developing their integration of Liberal Arts (to include Language Arts and Social Studies) and Fine Arts in the learning environment.

EDCI 562
STEAM Integration in the PreK-12 Classroom
3 credits

Candidates will apply knowledge gained in the area of STEAM education, whereby the implementation and assessment of STEAM principles and skills in both the teaching and learning process will be emphasized. Best practices in STEAM education will be discussed in order to improve student learning in relation to state and national standards.

EDCI 563
From Theory to Practice: Developing a STEAM-Enhanced Curriculum
3 credits

Candidates will engage in critical dialogue about what it means to begin, develop, and lead STEAM initiatives at the classroom, school, district, state, and/or national levels. Candidates will focus on becoming STEAM program leaders by recognizing their important role as change agents, program administrators, curricular leaders, and advocates for comprehensive STEAM education.

EDCI 564
STEAM Program Leadership
3 credits

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If you are an educator sitting on the fence about getting your master’s, go through Concordia. The online program was easy to implement into my schedule and it made my life so much better. As educators, we should always be trying to figure out what the next step is or how we can better ourselves so we can influence our students.

- DEBBIE DOYLE ‘18, MEd in C&I: STEAM
RESEARCH COURSES

This course provides students with the basic competencies necessary to understand and evaluate the research of others, and to plan their own research with a minimum of assistance. This course includes the basics of both qualitative and quantitative research.

The Master of Education culminates with the choice of either EDGR 698-Action Research or EDGR 696-Practitioner Inquiry. Either option provides candidates with an understanding of the role of research in the field of education as a tool to solve problems and as a way to improve student learning.

EDGR 601
Educational Research
3 credits

Candidates will learn more about the action research methodology, complete final edits of the literature review, and design a complete action research proposal including data collection methods and analysis approaches. During this course, the proposal will not be implemented with students/participants. This design provides candidates with the requisite skills and means to pursue the transformative practice called Action Research in their classroom, school, district or other work environment.

Prerequisite: Successful completion of EDGR 601 Educational Research

EDGR 698
Action Research (capstone)
3 credits

Practitioner Inquiry focuses on the reflective acts of the candidate as an educator seeking to improve teaching practice. Premised on the self-study research methodological traditions, Practitioner Inquiry provides the opportunity to reflect on teaching practice and generate improvements based on classroom observation. Practitioner Inquiry is focused on the educator and her/his own practices, developing skills of inquiry, observation, reflection, and action in teachers.

Prerequisite: Successful completion of EDGR 601 Educational Research

EDGR 696
Practitioner Inquiry (capstone)
3 credits

SELECT ONE CAPSTONE COURSE

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SCIENCE, TECHNOLOGY, ENGINEERING, ARTS, AND MATHEMATICS (STEAM)

Our Enrollment Specialists are always available to answer any questions you may have. But, it’s ultimately up to you to determine whether a degree program meets your needs. We suggest contacting the appropriate state agency, state department of education, employer, or school district to make this determination before applying for or enrolling in this program.

Completing a Master of Education degree program does not lead to state certification or licensure. The MEd is not designed or intended to lead in any way toward a teaching license, endorsement, or administrative credential.

LET’S CHAT

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ADMISSION REQUIREMENTS

U.S. CITIZENS OR PERMANENT RESIDENTS

Completed online application:
education.cu-portland.edu/apply

Applicants must have earned a bachelor’s degree or higher from a regionally accredited institution

Official transcripts from a regionally accredited college/university with posted bachelor’s or master’s degree. For your convenience, please sign the transcript release form if you would like Concordia University-Portland to request official transcripts on your behalf.

Work History Form

Applicants must have a cumulative undergraduate GPA of 2.8 or higher*

Statement of Intent that addresses the following:

- Briefly introduce yourself to the Graduate Admissions Office and College of Education teams by discussing your professional background and your interest in pursuing a Master of Education at Concordia. (~75–100 words)
- Describe your professional goals and their alignment with your chosen program and to Concordia’s overall mission. Illustrate how your strengths and experiences have prepared you for success in the program. (~200–250 words)
- Discuss an immediate, real-world challenge in the professional field to which your degree aligns (e.g. PK-12 education, higher education, corporate training). Provide an example. What action should educators or professionals take to address this challenge? (~200–250 words)
- For candidates who earned under a 2.80 GPA, please explain what led to the low GPA and how you will succeed in an academically challenging graduate program today.

*Standard admission may be granted to students who meet all the admission requirements of the specific program to which they are applying. Conditional admission may be granted to students who do not meet specific admission requirements; however, additional material and documentation will be requested. GPA and other criteria vary by degree program; please review the specific requirement listed and contact an Enrollment Specialist if you have additional questions or need more information.
**INTERNATIONAL STUDENTS**

International students (anyone who is not a U.S. citizen or permanent resident) will need to fulfill the following requirements to be considered for admission into any of our online programs.

**The same requirements as U.S. citizens/permanent residents, plus the following additions:**

Proof of a bachelor’s or master’s degree that is recognized by the Ministry of Education from that country and that is equivalent to a bachelor’s or master’s degree in the United States.

Your university or college transcripts will need to be evaluated by an approved transcript evaluation partner to assess equivalence to a degree from the U.S.

Proof of English proficiency may be fulfilled by a required writing sample. The English proficiency requirement may be waived if a student attended their last two years of undergraduate schooling in the United States, Canada (English-speaking provinces), the United Kingdom, Australia, New Zealand, Ireland, and/or South Africa. Students born in one of these countries, yet educated elsewhere, are still required to satisfy the English proficiency requirement. If the writing sample does not prove a sufficient mastery of English, the student may be asked to submit scores from the TOEFL or IELTS exams.

International students enrolled in an online program will not be issued an I-20 from Concordia University-Portland and will not be eligible to receive an F-1 student visa to study in the United States.
APPLY ONLINE TODAY AT
EDUCATION.CU-PORTLAND.EDU/APPLY

MEd in Curriculum & Instruction: Science, Technology, Engineering, Arts, and Mathematics (STEAM) | 10/25/19