



AMERICAN COLLEGE of EDUCATION®

MASTER OF EDUCATION STEM Leadership

In conjunction with:



Awaken Their Spirit to Learn, and Yours to Teach

American College of Education is founded by educators, for educators. We offer online master's and doctorate degrees, as well as certificate programs for educators and paths to new teacher licensure. As the fourth largest conferrer of Master of Education degrees in the nation*, we have more than 20 programs to choose from based on your interests and career aspirations.

As educators, we know the best teaching provides relevant application. Now more than ever, students must master the critical thinking skills necessary to thrive in a global, digital society. For students to master STEM and prepare for careers in STEM fields, they must explore ideas and concepts through project-based assignments and working within an environment that fosters hands-on scientific inquiry.

With a Master of Education in STEM Leadership, you will learn how to empower your students to think like scientists. The program has been designed in conjunction with The National Institute for STEM Education (NISE) and Accelerate Learning, provider of STEMscopes learning tools, and leads campuses and districts toward a National Certificate for STEM Excellence.



Degrees Conferred in the U.S.

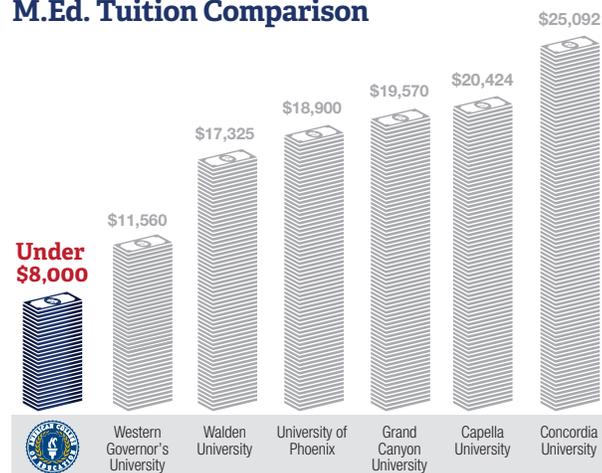
Curriculum & Instruction

* Based on 2012-13 Conferred Degrees IPEDS data
<http://nces.ed.gov/IPEDS/datacenter>

M.Ed. STEM Leadership

CREDITS	COST PER CREDIT	TOTAL TUITION
31	\$235	\$7,285

M.Ed. Tuition Comparison



Based on information provided on each institution's website as of November 2015. Totals include tuition only for M.Ed. in Curriculum & Instruction or comparable programs and do not include fees and associated expenses.



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The More You Learn, the More Your Students Learn

Want to know our learning objectives? Here are the big ideas you will learn as a student in the Master of Education in STEM Leadership program.

"Each one of ACE's courses directly applied to my classroom and made me a better teacher."

– Dan Jones, M.Ed. in Educational Technology

Inspire Real Scientific Inquiry

STEM education should effective, project-based learning that includes thorough training in digital applications. Lead teachers to adopt inquiry-based learning and identify gaps in students' knowledge and skills. Understand how knowledge transfers so students have a holistic view of STEM concepts.

Back It Up with Data

Take your assessment strategies to the next level. Learn to effectively use data and ongoing assessments so you can help students to meet and exceed established goals. Choose the right manipulatives and other teaching strategies to meet students at their performance level and scaffold assignments to where you want them to be. Use peer-reviewed qualitative and quantitative research to make practical and effective interventions in your classroom.

Become a STEM Leader

Learn to take your place at the table as an educational leader and advocate. Research the state of STEM at your campus or district, and develop effective improvement and accountability plans. Become a mentor to newer teachers, contribute to the conversation online, network with like-minded professionals, and publish your ideas and observations.

Course Plan

RES5323	Research Design and Application
ED5383	Principles of Integration
ED5023	Assessment Strategies
SCI5203	Foundations of Integrated Science Education
SCI5213	Engaging Diversity in the Science Classroom
SCI5223	Modern Learning and Integrated Science Education
SCI5233	Inventing and Reinventing Mathematics and Science Curriculum: Elementary, Secondary, and College Level
SCI5243	Creating an Environment for STEM Learning***
SCI5253	Building Scientific Understanding in Students
SCI5263	Applied Science and Engineering Practices***
SCI5091	Capstone Experience for STEM Leadership

ENROLLING NOW

**Individual course sequences will be finalized upon start of each new term.

***Courses taken through the National Institute of STEM Education (NISE).



American College of Education's Professional Education Programs (M.Ed. in Educational Leadership, M.Ed. in Curriculum & Instruction, M.Ed. in English as a Second Language & Bilingual Education, M.Ed. in Educational Technology), which are designed to provide graduate students with the essential knowledge, skills, and abilities to enhance their teaching and further their careers, is granted Accreditation by the Teacher Education Accreditation Council (TEAC) for a period of seven years: May 3, 2013 to May 3, 2020. This accreditation certifies that the forenamed professional education programs have provided evidence that the programs adhere to TEAC's quality principles.

American College of Education is regionally accredited by The Higher Learning Commission.