

ONLINE PROFESSIONAL DEVELOPMENT COURSES
FOR TEACHER RE-CERTIFICATION AND ADVANCEMENT

Course Catalog



Developed by Teachers
for Teachers.

TeacherStep courses are developed by highly-respected Ph.D. educators with teachers' needs and careers in mind.



Ready-to-Use Lesson
Plans are Included.

TeacherStep courses include lesson plans and materials you can begin using in your own classroom today!



Work at Your Own Pace.
Take up to 9 Months!

All classes are online and there are no on-campus meetings. Work at your own pace with up to 9 months for each course.

Now there are two ways to TeacherStep.



Full Graduate Credit **\$499-\$599**
Graduate credit from an accredited college



Advancement Credit **\$199**
License renewal credits/certificate

 **TeacherStep**SM
e-Learning Education Courses **.com**

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(864)308-1322



Learn from one of the State's Most Respected Names in Education.

Our online teacher recertification courses have been recognized among the most trusted and respected refresher training and recertification courses available for K-12 educators seeking state recertification. South Carolina Educational Communications, Inc. ("SCEC") is a 501(c)(3) non-profit that was founded in 1982 and is located in Spartanburg, SC. Its mission is to support and promote South Carolina educational public broadcasting activities, including the development and use of all communications media for educational purposes, and for support of the performing arts. SCEC's activities are overseen by a self-perpetuating Board of Directors. SCEC has operated distance education courses for almost two decades.



Earn Graduate Credit from an Accredited College.

TeacherStep Graduate Credit courses are offered in partnership with Converse College. Converse College has provided students with education rooted in the liberal arts since 1889 and is located in Spartanburg, SC. Converse College ranked 4th in South Carolina on Forbes America's Best Colleges list, and **U.S. News and World Report** named Converse College the Best Value in the South. Upon successful completion of the courses, students may request an official transcript from the Converse Registrar's Office. Converse College is accredited by the Commission on Colleges of the Southern Association of Colleges and Schools to award degrees at Level IV (Bachelor of Arts, Bachelor of Fine Arts, Bachelor of Science, Bachelor of Music, Master of Music, Master of Liberal Arts, Master of Arts in Teaching, Master of Education, Master in Marriage and Family Therapy, Master of Fine Arts, and Educational Specialist). Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404.679.4500 for questions about the accreditation of Converse College.



Take Up to 9 Months to Complete Each Course.

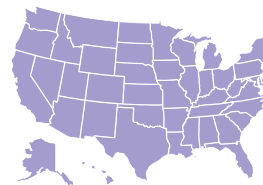
Our goal at TeacherStep is to help teachers get recertified by providing graduate level, professional development courses online. Our courses may be taken from anywhere and at any time during a 9-month completion time frame, providing a superior level of flexibility to fit the numerous time demands teachers experience. Our courses are intended for certified teachers who are seeking re-certification, career and salary progression, professional development, and teaching advancement. Through a dedicated team of professionals and professors, TeacherStep stands ready to assist teachers in fulfilling their professional and educational needs. Teachers in all 50 states and at overseas schools have successfully completed these courses.

America's Teachers Choose TeacherStep.

96%

96% Approval Rating by Teachers Like You

Teachers have raved about TeacherStep's online courses since 1982.



Valued by Teachers in All 50 States

Teachers in all 50 states have successfully completed TeacherStep online courses.

20yrs

One of the Most Respected Names in Education

TeacherStep courses have been among the most respected online courses for more than 20 years.

50%

Half the Cost of Traditional Classes

Save 50% off the cost of courses taught in the traditional campus classroom environment.



Online Courses You Can Afford

TeacherStep career advancement courses start at the low price of \$199!

95%+

95%+ Successful Course Graduation Rate

TeacherStep's course organization and online support make your success a priority.

Graduate Credit Instructional Technology Courses



- ✓ \$599 PER COURSE
- ✓ 3 GRADUATE CREDITS PER COURSE
- ✓ START ANY TIME. COMPLETE WITHIN 9 MONTHS
- ✓ LESSON PLANS TO USE IN YOUR CLASSROOM TODAY
- ✓ TEACH TO NCTM STANDARDS

Our new technology courses will focus on the investigation of mathematical pedagogy, best practices for instruction with technology and instructional technology to teach, as well as refresh content knowledge in ways that conform to the National Council of Teachers of Mathematics (NCTM) standards for instruction and the International Society for Technology in Education (ISTE®) standards. The courses will cover topics including:

- TPACK:** Learn the framework and how you as a teacher will use it in a technology based class
Devices: Incorporating computers, handheld, and tablet devices as a means of improving learning
Software: Apps and dynamic software that can be used with existing hardware or new technology device
Social Media: What can be used in education for classroom benefits

Instructional Technology for Calculus I

Course topics include:

- Designing and developing an educational technology plan for the classroom
- Introduction to instructional technologies
- Facilitating creative learning through technology
- Instructional technology hardware
- Impacting student learning in calculus I
- Educational technology software concepts
- Using educational software to explore calculus concepts
- Appropriate social media for schools
- Responsibilities for using social media

Instructional Technology for Pre-Calculus

Course topics include:

- Designing and developing an educational technology plan for the classroom
- Introduction to instructional technologies
- Facilitating creative learning through technology
- Instructional technology hardware
- Impacting student learning in pre-calculus
- Educational technology software concepts
- Using educational software to explore pre-calculus concepts
- Appropriate social media for schools
- Responsibilities for using social media

Instructional Technology for Geometry

Course topics include:

- Designing and developing an educational technology plan for the classroom
- Introduction to instructional technologies
- Facilitating creative learning through technology
- Instructional technology hardware
- Impacting student learning in geometry
- Educational technology software concepts,
- Using educational software to explore geometry concepts
- Appropriate social media for schools
- Responsibilities for using social media

Instructional Technology for Algebra I

Course topics include:

- Designing and developing an educational technology plan for the classroom
- Introduction to instructional technologies
- Facilitating creative learning through technology
- Instructional technology hardware
- Impacting student learning in algebra I
- Educational technology software concepts,
- Using educational software to explore algebra I concepts
- Appropriate social media for schools
- Responsibilities for using social media

Graduate Credit Professional Development Courses

- ✓ \$499 PER COURSE
- ✓ 3 GRADUATE CREDITS PER COURSE
- ✓ START ANY TIME. COMPLETE WITHIN 9 MONTHS
- ✓ LESSON PLANS TO USE IN YOUR CLASSROOM TODAY
- ✓ TEACH TO NCTM STANDARDS



These courses are designed to help students acquire the techniques necessary to effectively teach at the secondary level, while focusing on investigation of materials, pedagogy, and technology within the subject. Students will examine strategies and skills to creatively engage secondary level mathematics students as they begin to master these mathematics courses in ways that conform to the National Council of Teachers of Mathematics (NCTM) standards.

Mastering the Teaching of Middle School Math

Course topics include:

- Numbers and operations
- Algebra
- Geometry
- Measurement
- Data analysis and probability

Mastering the Teaching of Algebra I

Course topics include:

- Pre-algebra
- Introduction to algebra
- Variable inequalities
- Graphing linear equations
- Writing equations
- Powers and exponents
- Quadratics
- Factoring
- Rational functions

Mastering the Teaching of Algebra II

Course topics include:

- Numbers and expressions
- Linear programming
- Quadratic inequalities
- Polynomial operations and equations
- Rational exponents
- Logarithms

Mastering the Teaching of Geometry

Course topics include:

- Reasoning and proof
- Perpendicular and parallel lines
- Properties of triangles and quadrilaterals
- Transforming geometry
- Similarity
- Right triangles and trigonometry
- Rigid motion in the plane
- Reflections
- Rotation
- Circles
- Area of polygons and circles
- Surface area and volume
- Tangents to circles
- Arcs chords
- Inscribed angles

Mastering the Teaching of Pre-Calculus

Course topics include:

- Functions
- Graphs
- Solving equations
- Exponential logarithmic and rational functions
- Trigonometric functions, parametrics and polar equations

Mastering the Teaching of Calculus I

Course topics include:

- Continuity
- Limits
- Introduction to derivatives
- Implicit differentiation
- Graphing
- Mean value theorem
- Define integrals and slope field

Mastering the Teaching of Calculus II

Course topics include:

- Integration by parts integral as an accumulator
- Improper integrals
- Convergence tests
- Alternating series
- Interval convergence

Mastering the Teaching of Probability & Statistics

Course topics include:

- Exploring data
- Normal distribution
- Quantitative variables
- Producing data
- Probability
- Confidence intervals
- Decisions based on inference

These courses are designed as teacher education courses for the advancement of teacher education and for professional development towards license renewal and re-certification. These courses are not designed to satisfy requirements for those seeking to teach at the community college level or above, or for dual enrollment.

Upon completion, students may request a transcript from Converse College, an accredited institution and leader in graduate education. Students should check with their state or district for approval.

Graduate Credit Common Core Development Courses

- ✓ \$499 PER COURSE
- ✓ 3 GRADUATE CREDITS PER COURSE
- ✓ START ANY TIME. COMPLETE WITHIN 9 MONTHS
- ✓ LESSON PLANS TO USE IN YOUR CLASSROOM TODAY
- ✓ COURSES ARE COMMON CORE ALIGNED



These courses introduce educators to the Common Core State Standards and assist educators in becoming more effective classroom teachers, by using materials, pedagogical techniques, and appropriate tools to teach to the Common Core State Standards. The courses include a history and overview of Common Core State Standards, an introduction to the Standards, revision of current lessons to comply with the Standards, and designing module lessons to implement the Standards in the classroom.

Mastering the Teaching of Common Core Math Education

Course topics include:

- History and Overview of Common Core Math State Standards
- Introduction to Common Core State Standards for Math
- Revision of current lessons to be Common Core State Standard appropriate
- Creating and designing module lessons to implement the Common Core State Standards in Math

Available in 3 course levels:

- Elementary
- Middle School
- High School

Mastering the Teaching of Common Core ELA Education

Course topics include:

- History and Overview of Common Core ELA State Standards
- Introduction to Common Core State Standards for ELA
- Revision of current lessons to be Common Core State Standard appropriate
- Creating and designing module lessons to implement the Common Core State Standards in ELA

Available in 3 course levels:

- Elementary
- Middle School
- High School

These courses are designed as teacher education courses for the advancement of teacher education and for professional development towards license renewal and re-certification. These courses are not designed to satisfy requirements for those seeking to teach at the community college level or above, or for dual enrollment.

Upon completion, students may request a transcript from Converse College, an accredited institution and leader in graduate education. Students should check with their state or district for approval.

Advancement Professional Development Courses

- ✓ \$199 PER COURSE
- ✓ RENEWAL CREDITS/CERTIFICATE UPON COMPLETION
- ✓ START ANY TIME. COMPLETE WITHIN 9 MONTHS
- ✓ DESIGNED AS REFRESHER COURSES



These courses are designed for participants who need a refresher course in the following subjects, or for new teachers who need insights, additional resources, or a different perspective into the content taught in these subjects.

Fundamentals of Algebra I

Course topics include:

- Pre-algebra
- One variable equations and inequalities
- Linear equations and inequalities
- Non-linear equations and inequalities

Fundamentals of Algebra II

Course topics include:

- Linear equations
- Inequalities
- Functions
- Programming
- Operations
- Exponents
- Roots
- Logarithms
- Midpoint formulas
- Solving quadratic systems

Fundamentals of Geometry

Course topics include:

- Basics of geometry
- Reasoning and proof
- Perpendicular and parallel lines
- Congruent triangles and properties of triangles and quadrilaterals
- Transformational geometry
- Similarity
- Right Triangles and trigonometry
- Rigid motion in the plane
- Reflections
- Rotations
- Circles
- Area of polygons and circles
- Surface area and volume

Fundamentals of Pre-Calculus

Course topics include:

- Functions
- Polynomials
- Asymptotes
- Graphing functions
- Angles
- Trig
- Laws of sines and cosines

Fundamentals of Calculus I

Course topics include:

- Limits
- Derivatives
- Differentiation techniques
- Values
- Graphing
- Functions
- Integrals

Fundamentals of Calculus II

Course topics include:

- U-substitution
- Partial fractions
- Numerical methods
- Volumes
- Sequences
- Series

Fundamentals of Probability and Statistics

Course topics include:

- Introduction to probability and statistics
- Exploring data
- Normal distribution
- Quantitative and categorical variables
- Producing data
- Probability
- Introduction to sampling distributions

These courses are designed as teacher education courses for the advancement of teacher education and for professional development towards license renewal and re-certification. These courses are not designed to satisfy requirements for those seeking to teach at the community college level or above, or for dual enrollment.

What Are Teachers Just Like You Saying About TeacherStep.com?

Brian Shoemaker, Massachusetts

Completed Common Core Math

"I just finished the class on the common core. I really enjoyed it. It was the best online class I've taken."

Ulises Guigou, Florida

Completed Calculus 2

"It has been a pleasure being your student; now, I feel way more confident that I am going to be a successful math professor, thanks to the organization, structure and meaningful content of your math courses. The quizzes and assignments challenged me in a very encouraging way and I always felt that I had your full cooperation and support for every question I asked. Again, thank you very much for all your help! "

David Hall, North Carolina

Completed Geometry, Algebra I and Algebra II

"I just wanted to tell you how great these courses have been for me. As someone looking to remaster the content long forgotten, these courses were perfect. But I also have benefitted greatly from the text readings from Brumbaugh and Rock. The text readings were a great place for me to start on my journey to become a teacher."

Want to Learn More?

Download the free course syllabus to learn more about each TeacherStep course

Ready to Enroll?

Please visit www.TeacherStep.com/enroll or call (864)308-1322