NC COMMUNITY COLLEGES
CREATING SUCCESS

College and Career Readiness Instructor Certification Course Catalog

CORE Instructional Certificate

The CORE Instructional Certificate: This credential prepares instructors to provide quality adult education in Basic Skills programs. It is made up of 7 courses, which train participants in research and evidence-based methodologies as well as learning philosophies, and the framework which support them. The courses required to earn this certificate are listed below:

CORE 01: Applying the Content Standards: GPS for Success
Have you ever wondered what specific tasks adult learners should know and be able to do? Would you like to access easy-to-use sample teaching activities with real-life applications? If so, get on the road to student success by implementing content standards in your classroom. This course focuses on understanding the North Carolina Adult Education Content Standards and learning how to use this resource to improve instruction.

CORE 02: Assessment to Instruction: Connection to the Learning Process
Adult learners gain employment by being engaged in the learning process. Understanding student goals, achievement levels and learning preferences can inform instruction and create community within the classroom. This course will focus on using a variety of classroom assessments to drive instruction and engagement.

CORE 03: Evidence-Based Math Instruction
Have you ever wondered why math is a challenge for many of our Basic Skills students? Are there better ways to teach that will capture their attention and improve their learning outcomes? The focus of this course will be research-based instructional techniques including teaching math conceptually first and algorithms last and strategies for helping students overcome math anxiety so they will be ready to learn. Content is aligned with the North Carolina Adult Education Content Standards. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance basic skills math instruction.

CORE 04: Evidence-Based Reading Instruction
Basic Skills programs are filled with many adult learners who are struggling to make progress in reading. Are you looking for ways to help your students become fluent readers? This course provides an overview of evidence-based reading strategies to include: the interrelationship between the four components, diagnostic assessments, and best practices to help struggling readers make gains. Participants will learn how to assess students and choose appropriate instructional techniques and reading materials to increase reading achievement. Content is aligned with the North Carolina Adult Education Content Standards. Participants will learn how to use contextual, interactive and collaborative lessons and activities to enhance basic skills reading instruction.

CORE 05: Evidence-Based Writing Instruction
Do some of your students avoid or struggle with writing? Are you looking for ways to help them build writing fluency and skill? Using research-based strategies and best practices, participates will explore the writing process and writing purposes/audiences/tasks relevant for adult learners. You will also engage in activities designed to support adult learners' development as effective writers.

CORE 06: Contextualized Instruction: Keeping it Real at Work
With jobs being outsourced, professions disappearing, and technological demands increasing, many students are wondering what they can do to prepare themselves for employment. During this six-hour, interactive training, you will learn how to use a competencies-based curriculum as well as other resources to teach and reinforce necessary workforce preparation skills and content. You will also learn how to help students evaluate their strengths and transfer them to the workplace.

CORE 07: Teaching Strategies Integrating Technology
This course introduces resources available for incorporating technology in to the classroom including the NCCCS Virtual Learning Community, the North Carolina Learning Objects Repository and other online tools. Integrating technology increases student motivation and helps to prepare students for future learning and careers and encourages collaboration. Content is aligned with the North Carolina Adult Education Content Standards. Participants will learn how to use contextual, interactive and collaborative lessons and activities to enhance basic skills reading instruction.

Reading Specialty Certificate

STAR: Student Achievement in Reading
Student Achievement in Reading (STAR) training is a nationally-developed professional development program that helps instructors improve reading outcomes among intermediate-level adult learners so that they can transition to higher level learning and succeed in the workplace as well as in their daily lives. STAR is a comprehensive tool kit and training package built upon evidence-based reading instructional strategies that adult education teachers and administrators can use to increase reading achievement. STAR is not a reading curriculum. It is a reading reform initiative that includes professional development, tools, and resources that will expand participants' knowledge of diagnostic assessment and effective reading instruction and improve their ability to build local and state adult basic education systems that support reading improvement. STAR is based on a body of research that is summarized in a report published by the Partnership for Reading entitled, *Research-Based Principles for Adult Basic Education Reading Instruction,* written by John Kruidenier. STAR supports evidence-based reading instruction, which integrates the research found in the Kruidenier report with practitioner wisdom. STAR also uses the "Adult Reading Components Study" to identify learner profiles for intermediate-level readers in Adult Basic Education programs. (6 days earning 3.6 CEU's)

Adult Secondary Education (ASE) Specialty Certificate

Educational standards for adult secondary education have become more rigorous. Whether students are enrolled in a high school equivalency program or a local LEA-approved high school completion program, they are faced with more challenging tests and standards. The North Carolina College and Career Readiness staff have partnered with Appalachian State University's Reich College of Education Adult Basic Skills Professional Development team to create professional development courses in math, science, social studies and language arts to prepare instructors to help students successfully meet the more rigorous requirements for obtaining an Adult High School or high school equivalency diploma. Each course is 6 hours in length and earns .6 continuing education credits which are maintained and awarded by NC State University.

Earning the ASE Specialty Certificate will help you prepare students for college and career readiness, adult high school end of course exams and high school equivalency exams. Opportunities include: (1) General certification in ASE math, science, language arts and social studies to prepare students for adult equivalency exams (48hrs/4.8 CEUs), (2) Specialized certification in ASE math and science (48hrs/4.8CEUs), and (3) Specialized certification in ASE language arts and social studies (48hrs/4.8CEUs). Each certification consists of eight, six-hour courses with specialty certifications in Science/Math, Language Arts/Social Studies or a General Certification that can be customized, allowing you to choose two courses from each of the four content areas. All three ASE certifications lead to a National Reporting System certification.

ASE SC 01: Living Organisms and Ecosystems
Understanding the nature and interactions of living things is critical for decision making related to human and environmental health. A basic understanding of living organisms and ecosystems is vital for adult students' future success. This course is designed to provide an understanding of the knowledge and skills students need for college and career opportunities. Content is aligned with the North Carolina Adult Education Standards with emphasis on instructional techniques, strategies, and activities to teach the types of living organisms, cell structure and function, and basic interactions of living things in various ecosystems. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE SC 02: Genetics, Molecular Biology, and Evolution
An understanding of DNA and gene function is basic to understanding recent and anticipated advances in science. A basic understanding of genetics, molecular biology and evolution is vital for adult students' future success. This course is designed to provide an understanding of the knowledge and skills students need for college and career opportunities. Content is aligned with North Carolina Adult Education Content Standards with emphasis on instructional techniques, strategies, and activities to teach DNA structure and gene expression, their role in human health, and how species change over time. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE SC 03: Physical Science
An understanding of physical science helps us to better appreciate the natural laws by which our physical world operates. Understanding the composition and forces of nature is vital for adult students' future success. This course is designed to provide an understanding of the knowledge and skills students need to meet for college and career opportunities. Content is aligned with North Carolina Adult Education Standards with emphasis on instructional techniques, strategies, and activities to teach atomic structure, chemical equations, energy conservation and transfer, and basic physics concepts of work, forces and motion. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction

ASE SC 04: Environmental, Earth and Space Science
An understanding of the concepts of earth systems and their interaction with living things is essential to protecting our world. Understanding the nature of the earth and its place in the universe is important for adult students' future success. This course is designed to provide an understanding of the knowledge and skills students need for college and career opportunities. Content is aligned with North Carolina Adult Education Content Standards with emphasis on instructional techniques, strategies, and activities to teach earth systems and interactions, basics of global change, space structure, and cosmos organization. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE MA 01: Algebraic Concepts and Expressions
Proficiency in algebra concepts is essential for future students' success. This course provides an understanding of the knowledge and skills students need to meet the requirements of the North Carolina Adult Education Standards. The course emphasizes instructional techniques, strategies and activities for teaching algebra from concrete to abstract. Content emphases include understanding exponents, understanding and solving quadratic equations and the coordinate plane. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE MA 02: Algebraic Equations and Inequalities
Proficiency in algebra is essential for adult students' future success. This course provides an understanding of the knowledge and skills students need to meet the requirements of the North Carolina Adult Education Content Standards. The course emphasizes instructional techniques, strategies and activities for teaching algebra from concrete to abstract. Content emphases include linear equations and inequalities, graphing linear equations, and modeling equations and inequalities. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE MA 03: Algebraic Functions and Modeling
Proficiency in is essential for adult students' future success. This course provides an understanding of the knowledge and skills students need to meet the requirements of the North Carolina Adult Education Content Standards. The course emphasizes instructional techniques, strategies and activities for teaching algebra from concrete to abstract. Content emphases include identifying features of functions in equations, graphs and tables, and modeling functions in a variety of ways. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE MA 04: Geometry, Probability and Statistics
Understanding geometric concepts and data analysis skills are essential for adult students' future success. This course is designed to provide an understanding of the knowledge and skills students need for college and career opportunities. Content is aligned with the North Carolina Adult Education Standards with emphasis on both content and instructional techniques, strategies and activities for teaching geometric concepts, basic probability, and data analysis from concrete to abstract. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE LA 01: Explanatory and Narrative Writing
Effective writing skills are critical for adult students' future success. This course provides an understanding of the knowledge and skills students need to meet the requirements of the North Carolina Adult Education Content Standards in argument-based writing. Participants will learn a variety of strategies to develop written arguments, how to evaluate evidence, and how to build cross-disciplinary study units. Essay development strategies will include graphic organizers, writing frames, and model essays. Participants will also learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE LA 02: Argument-Based Writing
Effective argument-based writing skills are crucial for adult students' future success. This course provides an understanding of the knowledge and skills students need to meet the requirements of the North Carolina Adult Education Content Standards in argument-based writing. Participants will learn a variety of strategies to develop written arguments, how to evaluate evidence, and how to build cross-disciplinary study units. Essay development strategies will include graphic organizers, writing frames, and model essays. Participants will also learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE LA 03: Understanding and Analyzing Literature
Comprehending various literary genres is necessary for adult students' future success. This course is designed to provide an understanding of the knowledge and skills students need to be prepared for college and career opportunities. Content is aligned with the North Carolina Adult Education Content Standards with emphasis on both content and instructional techniques for teaching the skills students need to analyze and interpret literature to demonstrate understanding. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction. .

ASE LA 04: Understanding and Analyzing Informational Texts
Comprehending various types of information texts is vital for adult students' future success. This course is designed to provide an understanding of the knowledge and skills students need to be prepared for college and career opportunities. Content is aligned with the North Carolina Adult Education Content Standards with emphasis on both content and instructional techniques for teaching the skills students need to analyze and interpret informational texts to demonstrate understanding. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE SS 01: US History
This course focuses on building the US history content knowledge adult students need for secondary education, college, and career success. Content is aligned with the North Carolina Adult Education Content Standards, and the course emphases both content and creative teaching strategies, techniques, and activities for teaching the concepts students need to know about American History from the period of European exploration through reconstruction. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE SS 02: Modern US History
This course focuses on building the US history content knowledge adult students need for adult secondary education, college, and career success. Content is aligned with the North Carolina Adult Education Content Standards, and the course emphases both content and creative teaching strategies, techniques, and activities for teaching the concepts students need to know about American History from 1877 through the present. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE SS 03: Civics and Economics
This course focuses on building the US History content knowledge adult secondary education, college, and career success. Content is aligned with the North Carolina Adult Education Standards, and the course emphasizes both content and creative teaching strategies, techniques, and activities for teaching the concepts students' need to know about Civics and Economics with a special economics emphasis on personal financial literacy. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

ASE SS 04: World History and Geography
This course focuses on building the world history content knowledge adult students need for adult secondary education, college, and career success. Content is aligned with the North Carolina Adult Education Content Standards with emphasis on creative instructional techniques, strategies, and activities to teach the concepts students need to know about world history since the mid-15th century and the major turning points that have shaped the modern world. Physical and human geography concepts will be emphasized that allow students to better understand our multicultural world. Participants will learn how to design and use contextual, interactive and collaborative lessons and activities to enhance instruction.

English to Speakers of Other Languages (ESOL) Specialty Certificate

Given the inextricable connection between teacher quality and student learning, there is an urgent need in adult education, and specifically in the field of adult English language learning, for a cohesive and coherent system of high quality professional development. It is essential that professional development addresses the knowledge required for efficient second language acquisition, while providing instructors of adult English language learners (ELLs) with models of effective instruction and the support necessary to apply these skills in their daily practice. Through a collaborative effort with NC ESL experts and with the Literacy Information and Communication System (LINCS), the online courses can be found at http://lincs.ed.gov/programs/ell-u/online-courses.

Overview: The series of connected and job-embedded activities described below will support both novice and experienced ESOL teachers in NC to improve their skills and knowledge related to learner-centered practice. The **NC Adult ESOL Specialty Certificate** training will be available using three different mediums: face-to-face, online, and hybrid delivery. Teachers who participate in the professional development activities can expect to:

- Increase their knowledge of content and teaching strategies related to learner-centered practice.
- Receive sustained and job-embedded professional development and scaffold support and feedback as they apply their learning in the classroom.
- Participate in an active community of practice to share teaching approaches and learn from one another as well as from knowledgeable trainers.

All participants would complete the gateway online course, **Second Language Acquisition: Myths, Beliefs, and What the Research Shows** via LINCS as a pre-requisite to all other coursework. From there, teachers would have the opportunity to participate in all strands for a total of forty-seven (47) training hours. For step-by-step instructions, see "Adult ESOL Specialty Certificate: Getting Started" at: http://www.nccommunitycolleges.edu/sites/default/files/basic-page-file-uploads/ccr/esolcert_gettingstarted_june_2014.pdf#overlay-context=college-and-career-readiness

      GATEWAY: Second Language Acquisition
      STRAND A: Teaching Emergent/Beginning Readers
      STRAND B: Formative Assessment
      STRAND C: Second Language Teaching/Effective Lesson Planning
      STRAND D: ESL Methodology
      STRAND E: Role of Culture in Teaching Adult ELLs

ESOL 01: Second Language Acquisition for Teachers of Adult ELLs
Second Language Acquisition (SLA) is a central area of content knowledge for all second language educators working with English Language Learners (ELLs). Language acquisition is a subconscious process that mirrors the process in the first language in many important ways. The primary focus of this topic is to understand how the English language works as a linguistic system as well as about the beliefs educators hold about the role of grammar teaching in SLA about which influences choices that teachers make in their curriculum and instruction.

ESOL 02: Planning Instruction for ESL Beginners
ESOL programs have a quarter of the ELLs who have not been schooled in their home language and are at the beginning literacy level. This topic is important for adult ESOL teachers to understand how adult beginning literacy learners have limited formal schooling and why it is important to understand some of the background experiences of this population to better teach them. Most teachers of adult ELLs have not been trained to work with these learners who are emergent readers and who are unaccustomed to western classroom language learning.

ESOL 03: Formative Assessment for Learning in Adult ESL
In addition to standardized assessment, teachers of adult ELLs need to understand the basics of assessment and how the results of assessment can be used to guide instructional decisions. Research shows that when teachers understand formative assessment and that when teachers carefully plan instruction with the end in sight, learners are able to demonstrate their learning and, thus, provide information to teachers about next steps in their teaching.

ESOL 04: Effective Lesson Planning for Adult ELLs
Instruction must be meaningful and relevant to a student's life. Understanding how to plan and design instructional activities that are authentic and relate to learners' lives outside of the classroom is critical for student success. For ELLs, instruction should: 1) emphasize the four language skills – listening, speaking, reading, writing; 2) be thoughtfully planned to include interactive and collaborative activities; 3) integrate meaning and communication in explicit language teaching; 4) provide explicit feedback to learners; and 5) include communication and language-learning strategies.

ESOL 05: Principles and Techniques of ESL Methodology
Delivering effective instruction requires a strategic process for teaching English as a second language to non-native speakers. Language learning is no longer a matter of rote memorization and repetition. The researched-based principles and techniques of ESL methods of instruction are more engaging and creative approaches, yet there is a science to the underlying premises of each approach. When teachers are more informed about the variety of instructional approaches -- whole language approach, communicative approach, participatory approach – instruction then becomes more effective and student success increases. The art of teaching is enhanced as teachers become proficient with these approaches and integrate their own teaching style.

ESOL 06: Integration of Culture and Language
Teacher learning expands through a discussion format that challenges assumptions about ELLs and how they do not always fit the assumptions made about them. This topic explores the relationship between culture(s) and literacy development.