

STATE BOARD OF COMMUNITY COLLEGES
Curriculum Program Application
(New to the System)

The State Board of Community Colleges is asked to approve the curriculum programs on the condition that equipment funds are available to the applying colleges and operating funds generated by the budget formula will permit the offering of the program without any special allocation of funds.

North Carolina Community College System

Birth through Kindergarten Residency Licensure Certificate (C55491)

High School Math Residency Licensure Certificate (C55492)

High School Science Residency Licensure Certificate (C55493)

Middle School Math Residency Licensure Certificate (C55494)

Middle School Science Residency Licensure Certificate (C55495)

Special Education Residency Licensure Certificate (C55496)

Effective Term: **Fall 2026**

Contact(s):

Dr. Hilmi Lahoud

Senior State Director of Business and
IT and Academic Operations

STATE BOARD OF COMMUNITY COLLEGES
Residency Licensure Certificates

Request: The North Carolina Community College System is requesting the approval of the following credentials:

1. Birth through Kindergarten (B-K) Residency Licensure Certificate (C55491)
2. High School Math Residency Licensure Certificate (C55492)
3. High School Science Residency Licensure Certificate (C55493)
4. Middle School Math Residency Licensure Certificate (C55494)
5. Middle School Science Residency Licensure Certificate (C55495)
6. Special Education Residency Licensure Certificate (C55496)
7. Eighteen (18) new EDU courses are included in the six (6) proposed Residency Certificates. The following is a list of the proposed courses:
 1. EDU-224 Found, Pol, & Prac in Spec Edu
 2. EDU-225 Inst & Beh Strat for Incl Class
 3. EDU-230 Des Res Math Instr for Mid Gra
 4. EDU-231 Instr Methods for Mid Gra Math
 5. EDU-232 Des Res Math Instr for Mid Gra
 6. EDU-238 Instr Methods for Mid Gra Sci
 7. EDU-239 App Sci Inquiry in Mid Gra
 8. EDU-246 Early Dev, Well Being & Res
 9. EDU-255 Curr Strat & Learn Exp BK
 10. EDU-260 BK Assmt & Fam Collab
 11. EDU-264 Strat for Adpt Math Instr
 12. EDU-265 Strat for Adpt Lit Instr
 13. EDU-266 Lang & Lit Dev BK
 14. EDU-267 Math Foundations BK
 15. EDU-268 Instr Methods for HS Math
 16. EDU-269 Des Res Math Instr for HS
 17. EDU-273 Instr Methods for HS Science
 18. EDU-274 App Sci Inquiry in HS Science
8. Delegated authority to the President of the North Carolina Community College System to grant a college the approval to award the certificate based on the widespread immediate need for jobs in this area (1D SBCCC 400.6 (4)).

Background: The North Carolina Community College System applied to become an Educator Preparation Program (EPP) in July 2021. In June 2022, the North Carolina State Board of Education (NCSBE) approved the framework for the program, including the curriculum and procedures for local community colleges to be approved to offer the program. The Elementary Education Residency Licensure Certificate project started in 2020 and was led by the NCCCS. The Residency Licensure Programs replaced the former Lateral Entry Certificate.

Residency programs are designed to provide streamlined opportunities that simplify, align, and accelerate an alternative pathway to teacher licensure for individuals who have completed a bachelor's degree with a 2.7 GPA or higher and have obtained a teaching position in a school system in North Carolina under a provisional teaching license. Graduates must have an overall GPA of 2.7 or higher in order to be recommended for licensure.

Since the Elementary Education Residency Licensure Certificate program was approved, twenty-eight (28) community colleges have been approved to offer the program. The colleges had their first graduates in May 2025, and enrollment has continued to increase. Local colleges have received many requests to add additional licensure areas. NC teacher vacancy data supports the need for additional licensure programs across the state.

Eight colleges participated in the development and review of the new curriculum standards and new courses including: Central Piedmont Community College, Davidson-Davie Community College, Forsyth Technical Community College, Johnson Community College, Richmond Community College, Rowan-Cabarrus Community College, Pitt Community College, and Wayne Community College.

Rationale: There is a critical teacher shortage in North Carolina. In rural North Carolina, this shortage is even more evident. Statewide, enrollment in teacher preparation programs is below capacity and the current teacher candidate pool is not diverse. The traditional teacher education pipelines will not remedy the shortage. As an approved Education Preparation Program, the North Carolina Community College System is well-positioned to serve students seeking an alternative pathway to licensure. Because community colleges serve all 100 counties, the NCCCS will provide an accessible, affordable resource to help meet the need for more high-quality teachers in North Carolina.

Community colleges must be approved to be an Educator Preparation Program (EPP) by the NC State Board of Education. Once a college receives EPP approval, they can offer one or more Residency Licensure areas.

Program Approval Procedure without Current EPP Approval

Community colleges must complete a two-step approval process to offer the Elementary Education Residency Licensure Certificate. Colleges must seek and receive approval as an Educator Preparation Provider from the State Board of Education (SBE). Community colleges must also receive State Board of Community Colleges (SBCC) approval to offer Residency Licensure Certificate Program(s). Consultation with the NCCCS EPP Coordinator is highly recommended prior to seeking EPP and program approval.

Required Documents:

The following items should be submitted to the System Office Director of Academic Programs in order to initiate the approval process:

- *NCCCS Elementary Education EPP Residency Request Form (signed by the president of the community college and the local board of trustees chair)*
- *Copy of local Board minutes*
- *Copy of the Program of Study*

Upon receipt of the required components, the NCCCS EPP Coordinator will submit the request to the State Board of Education (SBE) for approval to operate as an Educator Preparation Provider (EPP). Upon approval, the NCCCS EPP Coordinator will request of the System President approval through his/her delegated authority granted by the State Board of Community Colleges (SBCC) for the college to be approved to offer the Elementary Education Residency Licensure Certificate.

Once a college receives approval from SBCC and the SBE, a letter of program approval will be issued to the requesting college president and chief academic officer. The college should then enter the program of study (POS) electronically and is able to offer the program. Approval of the electronic POS must be received prior to implementation of the program.

Program Approval Procedure with Current EPP Approval

The proposed six (6) certificates will follow the same rules set for the current Elementary Education Residency Licensure Certificate (C55490) allowing colleges to utilize the special application process. Community colleges must complete the program application and process identified in [Section 03D of the NC Community Colleges Curriculum Procedures Reference Manual](#). Upon receipt of the required application documents, the NCCCS EPP Coordinator will submit the request to the System President for approval through his/her delegated authority granted by the State Board of Community Colleges (SBCC). The program application(s) will be presented at the next SBCC meeting for final approval.

Contact(s):

Dr. Mary Olvera

State Director Teacher Education, Public Services, and Perkins Special Populations

The following are the proposed new courses for the Residency Licensure Certificates:

- Birth through Kindergarten Residency Licensure Certificate (C55491)
- High School Math Residency Licensure Certificate (C55492)
- High School Science Residency Licensure Certificate (C55493)
- Middle School Math Residency Licensure Certificate (C55494)
- Middle School Science Residency Licensure Certificate (C55495)
- Special Education Residency Licensure Certificate (C55496)

EDU-224

Found, Pol, & Prac in Spec Edu

(Foundations, Policies, and Practices in Special Education)

Class 3 Lab 0 Clinical 0 Work 0 Credit 3

Course Corequisites: None

Course Prerequisites: None

This course provides an overview of federal and state legislation, policies, and procedures guiding K-12 special education programs, emphasizing ethical responsibilities, referral and placement processes, and collaboration among educators, families, and agencies. Emphasis is placed on understanding service delivery models, family and community partnerships, and the impact of research, trends, and legal mandates on programs for children and youth with disabilities. Upon completion, students should be able to explain key policies and procedural safeguards, identify roles in special education service delivery, and apply foundational knowledge to ensure compliance, advocacy, and equitable access for students with exceptional learning needs.

EDU-225

Inst & Beh Strat for Incl Class

(Instructional and Behavioral Strategies for Inclusive Classrooms)

Class 2 Lab 3 Clinical 0 Work 0 Credit 3

Course Corequisites: None

Course Prerequisites: None

This course covers instructional and behavioral strategies that support diverse students with disabilities in inclusive K-12 settings, focusing on evidence-based practices that promote engagement, achievement, and positive learning outcomes. Topics include differentiation, Universal Design for Learning (UDL), Positive Behavioral Interventions and Supports (PBIS), and individualized supports aligned with IEP and 504 requirements to create equitable, responsive learning environments. Upon completion, students should be able to design and implement inclusive instructional plans, adapt materials, procedures, and environments to meet varied learning needs, apply effective behavioral supports, and use data to inform decisions that enhance academic and social-emotional development.

EDU-230	Dev Div & Res in You & Sec Stu (Development, Diversity, and Resilience in Youth and Secondary Students)
Class 2	Lab 3
Clinical 0	Work 0
Credit 3	
Course Corequisites: None	
Course Prerequisites: None	
This course provides an overview of youth development with an emphasis on understanding how individual, cultural, and contextual factors influence learning, well-being, and resilience in middle and high school settings. Emphasis is placed on applying research-based knowledge of cognitive, social, emotional, and physical development to meet the needs of diverse students, foster motivation and engagement, and support healthy identity formation during the secondary years. Upon completion, students should be able to design learning environments and instructional practices that promote well-being, self-efficacy, and resilience; apply inclusive and developmentally appropriate strategies; and build positive relationships that enhance learning and growth among diverse youth.	
EDU-231	Instr Methods for Mid Gra Math (Instructional Methods for Middle Grades Mathematics)
Class 3	Lab 3
Clinical 0	Work 0
Credit 4	
Course Corequisites: None	
Course Prerequisites: None	
This course provides an overview of instructional methods, learning theories, and content knowledge essential for teaching mathematics in the middle grades, emphasizing conceptual understanding, procedural fluency, and mathematical reasoning aligned with the North Carolina Standard Course of Study. Emphasis is placed on designing equitable, student-centered instruction that integrates number systems, algebraic reasoning, geometry, and data analysis with real-world problem-solving, technology use, and culturally responsive teaching practices. Upon completion, students should be able to plan and implement standards-based mathematics lessons, promote critical thinking and problem-solving, address student misconceptions, and adapt instruction to meet the diverse developmental and learning needs of all middle grades students.	
EDU-232	Des Res Math Instr for Mid Gra (Designing Responsive Mathematics Instruction for Middle Grades)
Class 2	Lab 3
Clinical 0	Work 0
Credit 3	
Course Corequisites: None	
Course Prerequisites: None	
This course introduces assessment strategies, differentiation methods, and applications of mathematical content knowledge to support effective, inclusive teaching in middle grades mathematics classrooms. Topics include formative and summative assessments, data-informed decision-making, Universal Design for Learning (UDL), Positive Behavioral Interventions and Supports (PBIS), and evidence-based strategies for engaging diverse students in mathematical reasoning and inquiry. Upon completion, students should be able to design and apply assessment tools, analyze student data to guide instruction, differentiate lessons to promote	

equity and access, and demonstrate a deep understanding of mathematical concepts that support conceptual growth and achievement for all students.

EDU-238**Instr Methods for Mid Gra Sci
(Instructional Methods for Middle Grades Science)**

Class 3 Lab 3 Clinical 0 Work 0 Credit 4

Course Corequisites: None

Course Prerequisites: None

This course provides an overview of instructional methods, learning theories, and content knowledge essential for teaching science in the middle grades, emphasizing inquiry, scientific reasoning, and conceptual understanding aligned with the North Carolina Standard Course of Study. Emphasis is placed on designing student-centered, hands-on instruction that integrates life, physical, and earth sciences with real-world applications, technology, and engineering design practices that encourage curiosity and critical thinking. Upon completion, students should be able to plan and implement standards-based science lessons that promote inquiry, data analysis, problem-solving, and evidence-based reasoning while adapting instruction to meet the diverse developmental and learning needs of middle grades students.

EDU-239**App Sci Inquiry in Mid Gra
(Applying Scientific Inquiry in Middle Grades)**

Class 2 Lab 3 Clinical 0 Work 0 Credit 3

Course Corequisites: None

Course Prerequisites: None

This course introduces assessment strategies, differentiation methods, and applications of scientific content knowledge to support effective, inclusive science teaching in the middle grades classroom. Topics include formative and summative assessments, inquiry-based investigations, Universal Design for Learning (UDL), safety and lab management, and evidence-based strategies for engaging all students in scientific exploration and critical thinking. Upon completion, students should be able to design and use assessment tools to measure conceptual understanding, analyze student data to guide instruction, differentiate lessons to promote access and equity, and apply scientific inquiry skills to foster curiosity and achievement among diverse students.

EDU-246**Early Dev, Well-Being & Res
(Early Development, Well-Being, and Resilient Classrooms)**

Class 2 Lab 3 Clinical 0 Work 0 Credit 3

Course Corequisites: None

Course Prerequisites: None

This course introduces the developmental foundations of young children from birth through kindergarten, emphasizing emotional well-being, resilience, and the creation of nurturing learning environments that promote healthy growth and school readiness. Emphasis is placed on understanding the cognitive, social, emotional, and physical stages of early development; recognizing the impact of relationships, environment, and stress; and applying responsive strategies that support secure attachment and adaptive coping in young children. Upon

completion, students should be able to design supportive routines and learning experiences that promote self-regulation, confidence, and resilience; build positive relationships with children and families; and create inclusive, developmentally appropriate environments that strengthen early learning and well-being.

EDU-255**Curr Strat & Learn Exp BK****(Curriculum Strategies and Learning Experiences Birth through Kindergarten)**

Class 3 Lab 3 Clinical 0 Work 0 Credit 4

Course Corequisites: None

Course Prerequisites: None

This course provides an overview of developmentally appropriate curriculum strategies and learning experiences for children from birth to age five, focusing on designing, implementing, and evaluating inclusive, responsive, and equitable learning opportunities across diverse early childhood settings. Emphasis is placed on integrating early childhood content domains, aligning curriculum with the NC Foundations for Early Learning and Development, and applying best practices for observation, assessment, and instructional design in culturally and linguistically diverse environments. Upon completion, students should be able to design and implement developmentally appropriate, inclusive, and culturally responsive curriculum plans that reflect best practices in early education, support individual and group learning needs, and promote holistic growth across multiple domains of child development.

EDU-260**BK Assmt & Fam Collab****(Birth Through Kindergarten: Assessment and Family Collaboration)**

Class 3 Lab 0 Clinical 0 Work 0 Credit 3

Course Corequisites: None

Course Prerequisites: None

This course provides an overview of assessment practices and family collaboration strategies for children from birth through kindergarten, emphasizing the use of authentic, developmentally appropriate methods to support growth, learning, and equitable outcomes across diverse early childhood settings. Emphasis is placed on observation, documentation, and assessment techniques that respect cultural, linguistic, and ability diversity, as well as strategies for engaging families as active partners in understanding and supporting children's development. Upon completion, students should be able to implement effective assessment practices, analyze and use data to inform curriculum decisions, and collaborate with families to create inclusive, responsive learning environments that promote each child's developmental progress and success.

EDU-264**Strat for Adpt Math Instr
(Strategies for Adaptive Math Instruction)**

Class 2 Lab 3 Clinical 0 Work 0 Credit 3

Course Corequisites: None

Course Prerequisites: None

This course provides a comprehensive introduction of strategies, best practices, and skills to effectively teach math in K-12 special education settings while aligning instruction with NC DPI curriculum standards and the InTASC Model Core Teaching Standards. Topics include number sense and operations; data analysis and probability; mathematical problem solving, communication, and reasoning; technology in math; and algebraic and geometric concepts individualized and tailored to each students' needs across various educational settings. Upon completion, students should be able to assess learning needs, implement and evaluate curriculum, ensure comprehensive and adaptive math instruction to support diverse, equitable and inclusive learning requirements.

EDU-265**Strat for Adpt Lit Instr
(Strategies for Adaptive Literacy Instruction)**

Class 2 Lab 3 Clinical 0 Work 0 Credit 3

Course Corequisites: None

Course Prerequisites: None

This course provides a comprehensive introduction to evidence-based strategies, best practices, and instructional skills for teaching reading and writing in K-12 special education settings while aligning with NC DPI curriculum standards and the InTASC Model Core Teaching Standards. Topics include phonological awareness, phonics, fluency, vocabulary, and comprehension; written expression; literacy assessment and progress monitoring; assistive and adaptive technologies; and differentiated instruction for diverse students across general and specialized settings. Upon completion, students should be able to design, implement, and evaluate individualized literacy instruction that fosters language development, reading proficiency, and equitable access to literacy for students with a wide range of learning needs and exceptionalities.

EDU-266**Lang & Lit Dev BK
(Language and Literacy Development Birth Through Kindergarten)**

Class 2 Lab 3 Clinical 0 Work 0 Credit 3

Course Corequisites: None

Course Prerequisites: None

This course introduces the foundations of language and literacy development in children from birth through age five, emphasizing evidence-based strategies and developmentally appropriate practices that foster communication, comprehension, and early literacy skills across diverse early learning environments. Emphasis is placed on the developmental stages of emergent literacy, including receptive and expressive language, print awareness, and early writing, as well

as the influence of cultural, linguistic, and family factors on literacy growth. Upon completion, students should be able to plan, implement, and evaluate inclusive, literacy-rich experiences that promote language and literacy development, select diverse and developmentally appropriate materials, and design integrated activities aligned with the NC Foundations for Early Learning and Development.

EDU-267	Math Foundations BK (Mathematical Foundations: Birth Through Kindergarten)			
Class 2	Lab 3	Clinical 0	Work 0	Credit 3
Course Corequisites: None				
Course Prerequisites: None				
This course introduces the fundamental concepts, developmental progressions, and instructional approaches that support early mathematical learning from birth through kindergarten. Emphasis is placed on understanding how young children construct number sense, spatial reasoning, and problem-solving skills through play, exploration, and meaningful everyday experiences aligned with the North Carolina Foundations for Early Learning and Development. Upon completion, students should be able to design and implement developmentally appropriate learning experiences that foster curiosity, mathematical thinking, and early numeracy; integrate math into daily routines and play; and adapt instruction to meet the diverse needs of young students.				

EDU-268	Instr Methods for HS Math (Instructional Methods for High School Mathematics)			
Class 3	Lab 3	Clinical 0	Work 0	Credit 4
Course Corequisites: None				
Course Prerequisites: None				
This course provides an overview of instructional methods, learning theories, and content knowledge essential for teaching mathematics in high school, emphasizing conceptual understanding, procedural fluency, and mathematical reasoning aligned with the North Carolina Standard Course of Study. Emphasis is placed on designing rigorous, student-centered instruction that integrates algebra, functions, geometry, statistics, and calculus with real-world applications, inquiry-based learning, and the effective use of technology and mathematical modeling. Upon completion, students should be able to plan and implement standards-based mathematics lessons that foster critical thinking, problem-solving, and communication; address student misconceptions; and adapt instruction to meet the diverse developmental and learning needs of secondary students.				

EDU-269	Des Res Math Instr for HS (Designing Responsive Mathematics Instructions for High School)			
Class 2	Lab 3	Clinical 0	Work 0	Credit 3
Course Corequisites: None				
Course Prerequisites: None				
This course introduces assessment strategies, differentiation methods, and applications of mathematical content knowledge to support effective, data-driven instruction in high school				

mathematics classrooms. Topics include formative and summative assessments, data analysis for instructional planning, Universal Design for Learning (UDL), Positive Behavioral Interventions and Supports (PBIS), and evidence-based strategies that promote engagement, persistence, and achievement among diverse students. Upon completion, students should be able to design and use varied assessment tools, analyze student performance data to guide instruction, differentiate lessons to enhance access and equity, and apply advanced mathematical concepts in authentic, problem-based learning contexts.

EDU-273 Instr Methods for HS Science

(Instructional Methods for High School Science)

Class 3 Lab 3 Clinical 0 Work 0 Credit 4

Course Corequisites: None

Course Prerequisites: None

This course provides an overview of instructional methods, learning theories, and content knowledge essential for teaching science in high school, emphasizing inquiry, scientific reasoning, and conceptual understanding aligned with the North Carolina Standard Course of Study. Emphasis is placed on designing rigorous, student-centered instruction that integrates biology, chemistry, physics, and earth/environmental science with real-world applications, engineering design, and technology-enhanced investigations that develop critical and analytical thinking. Upon completion, students should be able to plan and implement standards-based science lessons that promote inquiry, data analysis, and scientific communication; address misconceptions; and adapt instruction to meet the developmental and learning needs of diverse secondary students.

EDU-274 **App Sci Inquiry in HS Science**

(Applying Scientific Inquiry in High School Science)

Class 2 Lab 3 Clinical 0 Work 0 Credit 3

Course Corequisites: None

Course Prerequisites: None

This course introduces assessment strategies, differentiation methods, and applications of scientific content knowledge to support effective, inclusive, and data-driven instruction in high school science classrooms. Topics include formative and summative assessments, data interpretation, Universal Design for Learning (UDL), safety and ethics in laboratory instruction, and evidence-based strategies for engaging diverse students in scientific reasoning and inquiry. Upon completion, students should be able to design and implement varied assessment tools, analyze student data to guide instruction, differentiate science instruction to enhance access and equity, and apply advanced content knowledge to real-world scientific problem solving.

CURRICULUM STANDARD

Effective Term
Fall 2026
[2026*03]

Curriculum Program Title	Birth Through Kindergarten Residency Licensure Certificate	Program Code	C55491
Concentration	(not applicable)	CIP Code	13.0101

Curriculum Description

The Birth Through Kindergarten Residency Certificate curriculum provides a course of study leading to the development of the pedagogical competencies needed to become certified to teach Birth Through Kindergarten by the North Carolina Department of Public Instruction.

Course work includes learning theory, instructional technology, school policies and procedures, expectations and responsibilities of educators, teaching strategies/methods for specific content/specialty areas, formative/summative assessment, data informed practice, and classroom organization/management to enhance learning for a wide range of student learning needs

Graduates should meet pedagogical competencies and demonstrate effective teaching practices. Additional requirements, such as pre-service training, passing the state required assessments, and the criteria included in the North Carolina Teacher Evaluation System, are required for licensure.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. **General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. **Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. **Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

AAS

Diploma

Certificate

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit in Program	64-76	36-48	12-18

Major Hours

- A. **Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. **Concentration (if applicable).** A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. **Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

Birth Through Kindergarten Residency Licensure (Certificate) C55491			
	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE	N/A	N/A	18 SHC
Required Courses:			
EDU 246 Early Dev, Well Being & Res	3 SHC		
EDU 255 Curr Strat & Learn Exp BK	3 SHC		
EDU 260 BK Assmt & Fam Collab	3 SHC		
EDU 266 Lang & Lit Dev BK	3 SHC		
EDU 267 Math Foundations BK	3 SHC		
EDU 283 Educator Preparation Practicum	3 SHC		
B. CONCENTRATION (Not applicable)			
C. OTHER MAJOR HOURS			
<i>To be selected from the following prefixes:</i>			
None			

PROPOSED

CURRICULUM STANDARD

Effective Term
Fall 2026
[2026*03]

Curriculum Program Title	High School Math Residency Licensure Certificate	Program Code	C55492
Concentration	(not applicable)	CIP Code	13.0101

Curriculum Description

The High School Math Residency Certificate curriculum provides a course of study leading to the development of the pedagogical competencies needed to become certified to teach math by the North Carolina Department of Public Instruction.

Course work includes learning theory, instructional technology, school policies and procedures, expectations and responsibilities of educators, teaching strategies/methods for specific content/specialty areas, formative/summative assessment, data informed practice, and classroom organization/management to enhance learning for a wide range of student learning needs

Graduates should meet pedagogical competencies and demonstrate effective teaching practices. Additional requirements, such as pre-service training, passing the state required assessments, and the criteria included in the North Carolina Teacher Evaluation System, are required for licensure.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. **General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. **Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. **Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit in Program	64-76	36-48	12-18

Major Hours

- A. **Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. **Concentration (if applicable).** A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. **Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

High School Math Residency Licensure (Certificate) C55492

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE	N/A	N/A	18 SHC
Required Courses:			
EDU 230 Dev Div & Res in You & Sec Stu	3 SHC		
EDU 268 Instr Methods for HS Math	4 SHC		
EDU 269 Des Res Math Instr for HS	3 SHC		
EDU 270 Effective Instructional Enviro	2 SHC		
EDU 272 Technology, Data, and Assess	3 SHC		
EDU 283 Educator Preparation Practicum	3 SHC		
B. CONCENTRATION (Not applicable)			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> None			

CURRICULUM STANDARD

Effective Term
Fall 2026
[2026*03]

Curriculum Program Title	High School Science Residency Licensure Certificate	Program Code	C55493
Concentration	(not applicable)	CIP Code	13.0101

Curriculum Description

The High School Science Residency Certificate curriculum provides a course of study leading to the development of the pedagogical competencies needed to become certified to teach science by the North Carolina Department of Public Instruction.

Course work includes learning theory, instructional technology, school policies and procedures, expectations and responsibilities of educators, teaching strategies/methods for specific content/specialty areas, formative/summative assessment, data informed practice, and classroom organization/management to enhance learning for a wide range of student learning needs

Graduates should meet pedagogical competencies and demonstrate effective teaching practices. Additional requirements, such as pre-service training, passing the state required assessments, and the criteria included in the North Carolina Teacher Evaluation System, are required for licensure.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. **General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. **Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. **Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit in Program	64-76	36-48	12-18

Major Hours

- A. **Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. **Concentration (if applicable).** A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. **Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

High School Science Education Residency Licensure (Certificate) C55493			
	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE	N/A	N/A	18 SHC
Required Courses:			
EDU 230 Dev Div & Res in You & Sec Stu	3 SHC		
EDU 270 Effective Instructional Environ	2 SHC		
EDU 272 Technology, Data, and Assess	3 SHC		
EDU 273 Instr Methods for HS Science	4 SHC		
EDU 274 App Sci Inquiry in HS Science	3 SHC		
EDU 283 Educator Preparation Practicum	3 SHC		
B. CONCENTRATION (Not applicable)			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> None			

CURRICULUM STANDARD

Effective Term
Fall 2026
[2026*03]

Curriculum Program Title	Middle School Math Residency Licensure Certificate	Program Code	C55494
Concentration	(not applicable)	CIP Code	13.0101

Curriculum Description

The Middle School Math Residency Certificate curriculum provides a course of study leading to the development of the pedagogical competencies needed to become certified to teach math by the North Carolina Department of Public Instruction.

Course work includes learning theory, instructional technology, school policies and procedures, expectations and responsibilities of educators, teaching strategies/methods for specific content/specialty areas, formative/summative assessment, data informed practice, and classroom organization/management to enhance learning for a wide range of student learning needs

Graduates should meet pedagogical competencies and demonstrate effective teaching practices. Additional requirements, such as pre-service training, passing the state required assessments, and the criteria included in the North Carolina Teacher Evaluation System, are required for licensure.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. **General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. **Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. **Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

AAS

Diploma

Certificate

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit in Program	64-76	36-48	12-18

Major Hours

- A. **Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. **Concentration (if applicable).** A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. **Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

Middle School Math Residency Licensure (Certificate) C55494

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE	N/A	N/A	18 SHC
Required Courses:			
EDU 230 Dev Div & Res in You & Sec Stu	3 SHC		
EDU 231 Instr Methods for Mid Gra Math	4 SHC		
EDU 232 Des Res Math Instr for Mid Gra	3 SHC		
EDU 270 Effective Instructional Environ	2 SHC		
EDU 272 Technology, Data, and Assess	3 SHC		
EDU 283 Educator Preparation Practicum	3 SHC		
B. CONCENTRATION (Not applicable)			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> None			

CURRICULUM STANDARD

Effective Term
Fall 2026
[2026*03]

Curriculum Program Title	Middle School Science Residency Licensure Certificate	Program Code	C55495
Concentration	(not applicable)	CIP Code	13.0101

Curriculum Description

The Middle School Science Residency Certificate curriculum provides a course of study leading to the development of the pedagogical competencies needed to become certified to teach science by the North Carolina Department of Public Instruction.

Course work includes learning theory, instructional technology, school policies and procedures, expectations and responsibilities of educators, teaching strategies/methods for specific content/specialty areas, formative/summative assessment, data informed practice, and classroom organization/management to enhance learning for a wide range of student learning needs

Graduates should meet pedagogical competencies and demonstrate effective teaching practices. Additional requirements, such as pre-service training, passing the state required assessments, and the criteria included in the North Carolina Teacher Evaluation System, are required for licensure.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. **General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. **Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. **Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

AAS**Diploma****Certificate**

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit in Program	64-76	36-48	12-18

Major Hours

- A. **Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. **Concentration (if applicable).** A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. **Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

Middle School Science Licensure (Certificate) C55495

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE	N/A	N/A	18 SHC
Required Courses:			
EDU 230 Des Res Math Instr for Mid Gra	3 SHC		
EDU 238 Instr Methods for Mid Gra Sci	4 SHC		
EDU 239 App Sci Inquiry in Mid Gra	3 SHC		
EDU 270 Effective Instructional Environ	2 SHC		
EDU 272 Technology, Data, and Assess	3 SHC		
EDU 283 Educator Preparation Practicum	3 SHC		
B. CONCENTRATION (Not applicable)			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> None			

CURRICULUM STANDARD

Effective Term
Fall 2026
[2026*03]

Curriculum Program Title	Special Education Residency Licensure Certificate	Program Code	C55496
Concentration	(not applicable)	CIP Code	13.0101

Curriculum Description

The Special ED Residency Certificate curriculum provides a course of study leading to the development of the pedagogical competencies needed to become certified to teach Special Education by the North Carolina Department of Public Instruction.

Course work includes learning theory, instructional technology, school policies and procedures, expectations and responsibilities of educators, teaching strategies/methods for specific content/specialty areas, formative/summative assessment, data informed practice, and classroom organization/management to enhance learning for a wide range of student learning needs

Graduates should meet pedagogical competencies and demonstrate effective teaching practices. Additional requirements, such as pre-service training, passing the state required assessments, and the criteria included in the North Carolina Teacher Evaluation System, are required for licensure.

Curriculum Requirements*

[for associate degree, diploma, and certificate programs in accordance with 1D SBCCC 400.10]

- I. **General Education.** Degree programs must contain a minimum of 15 semester hours including at least one course from each of the following areas: humanities/fine arts, social/behavioral sciences, and natural sciences/mathematics. Degree programs must contain a minimum of 6 semester hours of communications. Diploma programs must contain a minimum of 6 semester hours of general education; 3 semester hours must be in communications. General education is optional in certificate programs.
- II. **Major Hours.** AAS, diploma, and certificate programs must include courses which offer specific job knowledge and skills. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit. *(See second page for additional information.)*
- III. **Other Required Hours.** A college may include courses to meet graduation or local employer requirements in a certificate, diploma, or associate in applied science program. These curriculum courses shall be selected from the Combined Course Library and must be approved by the System Office prior to implementation. Restricted, unique, or free elective courses may not be included as other required hours.

	AAS	Diploma	Certificate
Minimum General Education Hours	15	6	0
Minimum Major Hours	49	30	12
Other Required Hours	0-7	0-4	0-1
Total Semester Hours Credit in Program	64-76	36-48	12-18

Major Hours

- A. Core.** The subject/course core is comprised of subject areas and/or specific courses which are required for each curriculum program. A diploma program offered under an approved AAS program standard or a certificate which is the highest credential level awarded under an approved AAS program standard must include a minimum of 12 semester hours credit derived from the subject/course core of the AAS program.
- B. Concentration (if applicable).** A concentration of study must include a minimum of 12 semester hours credit from required subjects and/or courses. The majority of the course credit hours are unique to the concentration. The required subjects and/or courses that make up the concentration of study are in addition to the required subject/course core.
- C. Other Major Hours.** Other major hours must be selected from prefixes listed on the curriculum standard. A maximum of 9 semester hours of credit may be selected from any prefix listed, with the exception of prefixes listed in the core or concentration. Work-based learning may be included in associate in applied science degrees up to a maximum of 8 semester hours of credit; in diploma programs up to a maximum of 4 semester hours of credit; and in certificate programs up to a maximum of 2 semester hours of credit.

Special Education Residency Licensure (Certificate) C55XXX

	AAS	Diploma	Certificate
Minimum Major Hours Required	49 SHC	30 SHC	12 SHC
A. CORE	N/A	N/A	18 SHC
Required Courses:			
EDU 224 Found, Pol, & Prac in Spec Edu	3 SHC		
EDU 225 Inst & Beh Strat for Incl Class	3 SHC		
EDU 264 Strat for Adpt Math Instr	3 SHC		
EDU 265 Strat for Adpt Lit Instr	3 SHC		
EDU 272 Technology, Data, and Assess	3 SHC		
EDU 283 Educator Preparation Practicum	3 SHC		
B. CONCENTRATION (Not applicable)			
C. OTHER MAJOR HOURS <i>To be selected from the following prefixes:</i> None			