2026-2027 Computer Science Courses Satisfying High School Graduation Requirement

Pursuant to SL2023-132 and NC SBE State Graduation Requirements, the following state-managed, supported and local course option computer science courses satisfy the requirements effective school year 2026-2027:

CTE State Managed Computer Science Courses

Course Code	Course Title
CA10	Artificial Intelligence
CA21	**Robotics I (NEW)**
CA22	**Robotics II (NEW)**
CD10	Adobe Visual Design I
CD11	Adobe Visual Design II
CD14	Adobe Video Design I
CD15	Adobe Video Design II
CD20	3D Modeling and Animation I
CD21	3D Modeling and Animation II
CD30	Game Art and Design
CD31	Advanced Game Art and Design
CI00	CompTIA IT Fundamentals
CI01	Computer Engineering Technology I
CI02	Computer Engineering Technology II
CI10	Cisco Network Engineering Technology I
CI11	Cisco Network Engineering Technology II
CI20	Network Administration I
CI21	Network Administration II
CI30	Cybersecurity I
CI31	Cybersecurity II
CP05	Coding in Minecraft – Expert Coding
CP10	Python Programming I
CP11	Python Programming II
CS10	Introduction to Computer Science
CS20	Computer Science I
CS21	Computer Science II
CS30	Introduction to Data Science
CS31	SAS Base Programming
CT10	Technology, Engineering, and Design

CT11	Technological Design
CT12	Engineering Design
ID12	**Drone Technology II (NEW)**
WA11	**CTE Apprenticeship DTCS (NEW)**
WP11	**CTE Pre-apprenticeship DTCS (NEW)**

State Supported Computer Science Courses

Advanced Placement

Course Code	Course Title
0A02	AP Computer Science Principles
0A04	**AP Cybersecurity (NEW)**
2A02	AP Computer Science A

Cambridge International

Course Code	Course Title
0V08	CIE Computer Science AS
0V09	CIE Computer Science A

Career and College Promise

Course Code	Course Title
BW32	CIS110 Intro to Computers
BW35	CIS115 Intro to Programming and Logic
BW36	CSC134 C++ Programming
BW38	CSC139 Visual BASIC Prog
BW40	CSC151 JAVA Programming
BW42	CSC239 Advanced Visual BASIC Programming
BW47	CTS115 Information Systems Business Concept
BX25	**BUS228 Business Statistics (NEW)**
BX26	CSC120 Computing Fundamentals I
BX27	CSC130 Computing Fundamentals II
IJ04	CSC249 Data Structure and Algorithms
IJ05	CSC251 Advanced JAVA Programming
TW55	EGR215 Network Theory I

International Baccalaureate

Course Code	Course Title
2I00	IB Computer Science SL
2I01	IB Computer Science HL
0I04	IB Digital Society SL
0I05	IB Digital Society HL

National Academy Foundation

Course code	Course Title
CN56	NAF Academy of Information Technology Foundational Prerequisite
CN57	NAF Academy of Information Technology Prerequisite
CN58	NAF Academy of Information Technology Concentrator
CN59	NAF Academy of Information Technology MAJOR

Project Lead the Way

Course code	Course Title
CI35	PLTW Cybersecurity Honors
CE10	PLTW Intro to Engineering Design
CE11	PLTW Principles of Engineering

Southern Regional Education Board

Course code	Course Title
HR11	**SREB AC Health Informatics I (NEW)**
HR12	**SREB AC Health Informatics II (NEW)**
HR13	**SREB AC Health Informatics III (NEW)**
HR14	**SREB AC Health Informatics IV (NEW)**
TR11	SREB AC Advanced Technology for Design and Production
TR12	SREB AC Systems of Advanced Tech

General Electives

Course code	Course Title
CV10	SparkNC High-Tech Learning Accelerator I
CV15	**SparkNC High-Tech Learning Accelerator II (NEW)**

Local Course Options for Computer Science
Students may complete one of the approved Local Course Option (LCO) courses to satisfy the Computer Science graduation requirement. LCO applications are reviewed and approved by the Office of Career and Technical Education and must be submitted through NCCTE Admin.

Individuals listed in EDDIE as the CTE Administrator or Curriculum and Instructional Management Coordinator (CIMC) are eligible to be granted access to NCCTE Admin for the purpose of submitting an LCO application. If an individual is listed in EDDIE but does not currently have access, they may request assistance by submitting a NCCTE Help Ticket.

Course Code	Course Name
CL24	Adobe Digital Design I
CL43	Applications of Engineering Technology
CL44	Engineering Technology I
CL47	Engineering Technology IV
CL48	Engineering and Tech Foundations 1A
CL49	Engineering and Tech Foundations 1B
CL75	Unity 3D Programming II
CL84	PLTW Computer Science Essentials
CL85	Data Analytics I
CP20	Develop in Swift Explorations
CP21	Develop in Swift Fundamentals
IK11	Introduction to Engineering
IK98	Manufacturing Robotics
TL13	Intro to Integrated Systems Technology

High School Courses Eligible for Middle School[1]
Students may complete one of the approved high school computer science courses while in middle school to satisfy the Computer Science (CS) graduation requirement established under state legislation.

Proof of Learning (POL) Implementation
A Proof of Learning (POL) must be administered for any approved high school course offered in middle school. The POL ensures that students demonstrate mastery of the required course standards.

[1] G.S. 115C-12(9d); SBE Policy CCRE-001; NC DPI Course Code Master List Guidance.

Course Coding Guidance
Public School Units (PSUs) must use the course code that includes a "Y" in the sixth digit to identify one of the approved high school courses designated for this purpose. This coding structure differentiates the approved courses that may be offered to middle school students.

Scheduling and Instructional Fidelity
The North Carolina State Board of Education does not have a policy regarding required seat time for students. However, PSUs must schedule these high school courses within the middle school instructional day in a manner that allows students to meet course standards with fidelity and complete the aligned Proof of Learning.

Credit Designation
Students who successfully complete a high school course while enrolled in middle school shall receive high school credit for the course, consistent with State Board of Education Policy CCRE-001. The grade earned shall not be included in the calculation of the student's high school grade point average (GPA) or class rank. Completion of any course identified on the approved list will satisfy the Computer Science (CS) middle school course offering and high school graduation requirement in accordance with G.S. 115C-12(9d).

Course List:

Course Code	Course Title	Proof of Learning (POL)
CA10	**Artificial Intelligence (NEW)**	Credential – *Generative AI Foundations*
CA21	**Robotics I (NEW)**	Local
CD10	**Adobe Visual Design I (NEW)**	Credentials – Adobe Certified Professional – Illustrator **AND** Photoshop
CS20	**Computer Science I (NEW)**	Performance-based Measurement
CD20	3D Modeling and Animation I	Local
CP05	Coding in Minecraft – Expert Coding	Credential - *Coding in Minecraft JavaScript Expert Coding* **OR** *Coding in Minecraft Python Expert Coding*
CP20	Develop in Swift Explorations	Local
CS10	Introduction to Computer Science	CTE State Assessment
CS30	Introduction to Data Science	Local
CT10	Technology, Engineering, and Design	CTE State Assessment

Review Process

Computer Science is not confined to coding or programming; it is a discipline that intersects every career pathway and field of study. Its principles extend across all content areas, from health sciences to the arts, and from agriculture to business. As the state continues to expand access to computer science education, it is essential that the review process reflects this interdisciplinary nature.

For the past two years, NCDPI conducted a review of courses to determine alignment with the core computer science concepts identified in the North Carolina Computer Science Standards. The review focused on traditional computer science concepts, including the impacts of computing, algorithms and programming, computing systems, networks, the internet, and data analytics. Courses were considered aligned if at least 80% of their content focused on three or more of these core concepts.

While this initial review provided a consistent foundation for implementation, it did not fully account for the cross-cutting nature of computer science.

For the 2026–2027 school year, the review process was broadened to align with the topics, pillars, and dispositions outlined in the new Computer Science Framework developed by the Computer Science Teachers Association (CSTA). This expanded approach better reflects the interdisciplinary reach of computer science and its relevance across all Career and Technical Education (CTE) career clusters and academic disciplines.

Through this refined review process, all students, regardless of location or PSU size, have access to courses that prepare them to think critically, solve problems creatively, and succeed in a digital world. Courses on this list cannot count as an English, mathematics, science, or social studies credit.

A course will be considered eligible if it addresses the following principles of computer science:

- Algorithms
- Artificial Intelligence
- Computational Thinking
- Computing Applications Development
- Computing Systems
- Cybersecurity
- Data and Analysis
- Digital Collaboration Tools
- Digital Literacy (middle grades only)
- Emerging Technology
- Ethics
- Impacts of Computing/Technology
- Information Technology
- Internet of Things (IoT)
- Machine Learning
- Networking Technology
- Physical Computing
- Programming

Updates to the list of computer science courses satisfying graduation requirements will be presented to the State Board of Education each year for approval.