Courses List
Pursuant to NC SBE State Graduation Requirements (Policy GRAD-004), the following state-managed and local course option computer science courses satisfy the requirements effective school year 2025-2026:

State-Managed Computer Science Courses
Students may complete one of the following state-managed high school courses to satisfy the graduation requirement.

Course Number	Course Name	Credential	Tier
Advanced Placement/ International Baccalaureate Courses			
0A02	AP Computer Science Principles		
2A02	AP Computer Science A		
0I04	IB Digital Society SL		
0I05	IB Digital Society HL		
2I00	IB Computer Science SL		
2I01	IB Computer Science HL		
Cambridge International			
0V08	CIE Computer Science AS		
0V09	CIE Computer Science A		
Career and College Promise Courses			
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		
BX26	CSC120 Computing Fundamentals I		
BX27	CSC130 Computing Fundamentals II		

Course Number	Course Name	Credential	Tier
IJ04	CSC249 Data Structure and Algorithms		
IJ05	CSC251 Advanced JAVA Programming		
TW55	EGR215 Network Theory I		
Career Pathway Courses			
CI35	PLTW Cybersecurity Honors		
CI00	CompTIA IT Fundamentals	CompTIA Tech+	3
CS30	Introduction to Data Science		
CI20	Network Administration I		
CI21	Network Administration II	CompTIA Network+	3
CI30	Cybersecurity I		
CI31	Cybersecurity II	CompTIA Security+	2
CA10	Artificial Intelligence I		
CS10	Introduction to Computer Science		
CP05	Coding in Minecraft – Expert Coding	• Coding in Minecraft: JavaScript Expert Coding • Coding in Minecraft: Python Expert Coding	2
CP10	Python Programming I	• PCEP Certified Entry-level Python Programmer • Information Technology Specialist: Python	3 2
CP11	Python Programming II	PCAP Certified Associate in Python Programming	2
CS31	SAS Base Programming	SAS Certified Specialist Base Programming Using SAS 9.4	3
CS20	Computer Science I		
CS21	Computer Science II		

Course Number	Course Name	Credential	Tier
CN56	National Academy Foundation (NAF) Academy of Information Technology Foundational Prerequisite		
CN57	National Academy Foundation (NAF) Academy of Information Technology Prerequisite		
CN58	National Academy Foundation (NAF) Academy of Information Technology Concentrator		
CN59	National Academy Foundation (NAF) Academy of Information Technology MAJR		
CI10	Cisco Network Engineering Technology I		
CI11	Cisco Network Engineering Technology II	Cisco Certified Support Technician (CCST) Networking	3
CI01	Computer Engineering Technology I	CompTIA A+ (Core 1)	3
CI02	Computer Engineering Technology II	CompTIA A+ (Core 2)	3
CD10	Adobe Visual Design I	• ACP Graphic Design and Illustration Using Adobe Illustrator • ACP Visual Design Using Adobe Photoshop	2 2
CD11	Adobe Visual Design II	Adobe Certified Professional - Print and Digital Media Publication Using Adobe InDesign	2
CD12	Adobe Digital Design I	Adobe Certified Professional - Web Authoring Using Adobe Dreamweaver	3
CD14	Adobe Video Design I	Adobe Certified Professional - Digital Video Using Adobe Premiere Pro	3
CD15	Adobe Video Design II		
IM14	Manufacturing Robotics	FANUC Certified Robot Operator	3
CT10	Technology, Engineering, and Design		
CT11	Technological Design		
CT12	Engineering Design		

Course Number	Course Name	Credential	Tier
CE10	PLTW Intro to Engineering Design		
CE11	PLTW Principles of Engineering		
TR11	SREB AC Advanced Technology for Design and Production	NI Certified LabVIEW Associate Developer (CLAD)	3
TR12	SREB AC Systems of Advanced Tech	NI Certified LabVIEW Associate Developer (CLAD)	3
CD20	3D Modeling and Animation I		
CD21	3D Modeling and Animation II	• Autodesk Certified User 3DS Max • Autodesk Certified User Maya	3 3
CD30	Game Art and Design		
CD31	Advanced Game Art and Design		

High School Courses Eligible for Middle School

Students may complete one of the following high school state-managed courses during middle school to satisfy the graduation requirement.

Course Number	Course Name	Credential	Tier
CS10	Introduction to Computer Science		
CP20	Develop in Swift Explorations	App Development with Swift Associate	3
CS30	Introduction to Data Science		
CP05	Coding in Minecraft – Expert Coding	• Coding in Minecraft: JavaScript Expert Coding • Coding in Minecraft: Python Expert Coding	2
CT10	Technology, Engineering, and Design		
CD20	3D Modeling and Animation I		

Local Course Options for Computer Science

Students may complete one of the following local course option courses to satisfy the graduation requirement.

Course Number	Course Name	Credential	Tier
CL80	Introduction to Computer Science		
CL84	PLTW Computer Science Essentials		
CL85	Data Analytics I		
CL72	Computer Programming I		
CP20	Develop in Swift Explorations	App Development with Swift Associate	3
CP21	Develop in Swift Fundamentals	App Development with Swift Certified User	3
CR11	SREB AC Informatics Computers, Networks and Databases		
CR12	SREB AC Informatics Design for the Digital World		
CR13	SREB AC Informatics Database in the Cloud		
CR14	SREB AC Informatics Developing a Cloud Presence		
CL62	Cisco Network Engineering Technology III		
IK11	Introduction to Engineering		
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		
TL13	Intro to Integrated Systems Technology		
CL13	Robotics I		
CL14	Robotics II		
CL75	Unity 3D Programming II	Unity Certified User: Programmer	2
CV10	High Tech Learning Accelerator I		

Review Process

An annual review of courses will occur to determine the eligibility of new state-managed courses or local course options to be included on the list. All courses to be considered will be submitted to the North Carolina Department of Public Instruction for review by August 1 of each year for implementation the following academic year. A course will be deemed eligible if at least 80% of the course focus on three or more of the following computer science principles:

- Computing systems and applications
- Networks and the internet
- Data analytics
- Programming and algorithms
- Impacts of technology

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