Hoke County Middle Schools

CTE

Course Descriptions

2025-2026

CTE®
Career and
Technical Education

Director's Message

The mission of Hoke County Career and Technical Education is to empower all students to be successful citizens, workers and leaders in a global economy. Our goal is to provide an environment that promotes an attitude and culture of College and Career Readiness through our Career and Technical Education classes.

Our Career and Technical Education (CTE) program aims to prepare students for employment opportunities, advanced education and productive lives. CTE promotes best practices that enhance teachers' efforts to improve student achievement and encourage responsible career choices. We want to meet students' needs, cultivate their abilities and help them realize their aspirations. It is the vision of CTE department that every student completes a pathway in Career Technical Education and receive no less than two industry related certifications during this process.

At our middle schools, students are offered career exploratory courses in Computer Science, Medical, and Health Sciences.

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CTE CENTRAL OFFICE STAFF

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Hoke County Schools System does not discriminate against race, color, religion, sex, marital status, pregnancy, parenthood, or handicapping conditions in its education activities or employment practices.

All students in career and technical programs have an opportunity to develop and extend their learning through participation in active career and technical student organizations (CTSOs). The program of work for each organization should be based on instructional competencies and be an integral part of the program.

DECA: Marketing:

DECA prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management in high schools and colleges around the globe.

TSA: Technology

The Technology Student Association is a national student organization created to develop skills in science, technology, engineering, and mathematics as well as business education. TSA aims to develop leadership, academic, and business management skills in the workplace among students and leaders within the community.

FCCLA: Family Consumer Sciences

Family, Career and Community Leaders of America is a nonprofit national career and technical student organization for young men and women in Family and Consumer Sciences education. Everyone is part of a family, and FCCLA is the only national Career and Technical Student Organization with the family as its central focus.

FBLA:Business

FBLA inspires and prepares students to become community-minded business leaders in a global society through relevant career preparation and leadership experiences.

HOSA: Health Occupations

HOSA's two-fold mission is to promote career opportunities in the health care industry and to enhance the delivery of quality health care to all people. HOSA's goal is to encourage all health occupations instructors and students to join and be actively involved in the HSE-HOSA Partnership.

FFA: Agricultural Education

The National FFA Organization (formerly known as the Future Farmers of America) envisions a future in which all agricultural education students will discover their passions and build on that insight to chart a course for their education, careers and personal futures. FFA makes a positive difference in the lives of students by developing their potential for premier leadership, personal growth, and career success.

Skills USA: Trade and Industrial

SkillsUSA is a partnership of students, teachers and industry working together to ensure America has a skilled workforce. SkillsUSA helps each student excel. SkillsUSA's mission is to empower its members to become world-class workers, leaders and responsible American citizens.

CTE in North Carolina

33% of North Carolina jobs will require education beyond high school but less than a bachelor's degree by 2031. Career and technical education (CTE) programs prepare students for these jobs in key North Carolina industries such as:

- aerospace and defense
- tourism
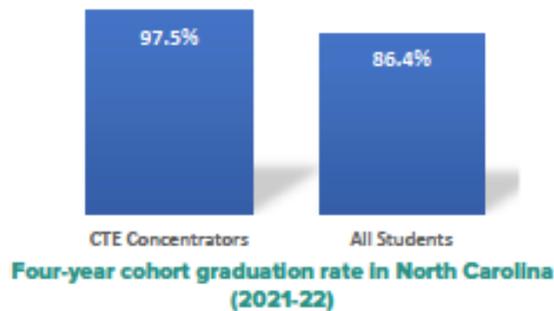- energy
- business and financial services

In 2023-24, North Carolina students earned over 358,000 industry-recognized credentials.

Many students are already enrolled in CTE in North Carolina, developing technical, academic and employability skills and engaging in work-based experiences with industry partners. During the 2022-23 school year, North Carolina had:

548,010

secondary CTE participants

107,014

postsecondary CTE participants

These youth and adult learners in CTE programs are more engaged, graduate high school at higher rates, earn industry-recognized credentials, and have rewarding and family-sustaining careers.

97.5%
CTE Concentrators

86.4%
All Students

Four-year cohort graduation rate in North Carolina (2021-22)

47,917
sub-baccalaureate credentials in CTE fields awarded to North Carolina students (2022-23)

More investment is needed to scale CTE programs across North Carolina to ensure that all learners have access to high-quality CTE programs in high-skill, high-wage and in-demand career fields.

FY 24 Federal Perkins CTE Funding for North Carolina

$48,738,955

CTE: Good for Students, Good for Business, Good for Communities

6th GRADE

Computer Science I
Web Development

The first middle grades corselet (Unit 1 Problem Solving , Unit 2 Web Development) of Computer Science Discoveries introduces students to computer science as a vehicle for problem solving, communication, and personal expression. As a whole, this corselet focuses on the visible aspects of computing and computer science and encourages students to see where computer science exists around them and how they can engage with it as a tool for exploration and expression.

Entrepreneurship & Management

Discover what makes businesses tick and dive into the world of entrepreneurship! Explore the purpose and functions of business, and learn what it takes to be a successful entrepreneur. Focus on the traits that define an entrepreneur and understand the process behind starting and growing a business. Gain valuable skills and knowledge to kickstart your career in business, finance, and marketing-perfect for anyone ready to turn their ideas into reality!

Healthcare Professionals &
Medical Terminology

Jump into hands-on activities that will help you explore the exciting world of healthcare careers! Discover the skills, knowledge, and purpose behind this field while gaining the confidence to assess your personal strengths, values, and career interests. You'll evaluate different career pathways, from education to certifications, and learn the most cost-effective ways to start your journey. Along the way, dive into medical terminology, explore how the human body works in biotechnology careers, and gain the skills you need for success in the Health Science field. It's your chance to prepare for an awesome career that can make a real difference!

COLLEGE & CAREER READY LABS

PAXTON / PATTERSON

Paxton/Patterson Labs provide the best college and career preparation for America's youth. Their learning systems engage students with problem-based, real world technology. The labs empower students to discover their interests and aptitudes, along the pathway to post-secondary success. Their unique labs concentrate on STEM Education, Health Science Careers, and Architecture & Construction. They also carry the most respected line of tools, equipment, supplies iture for schools.

The Health Science Careers learning system prepares middle school students for careers related to medicine, nursing, and health science programs-from Biomedical Engineering to Veterinary Medicine.

-Career Exploration

-Customizable Content

-Two Person Teams

-Authentic Medical Equipment

Health Science

Health Science is the ultimate career exploration to engage students in authentic problem-based learning experiences as they discover their interests and aptitudes in Health Science.

Clinical Lab Practices
Students perform a variety of clinical lab experiments as they use common language, equipment and safety procedures expected in a laboratory setting.

Dentistry
Students examine the roles of dental professionals from hygiene to therapeutics as they assess, chart, diagnose, remove decay, and create dental castings.

Emergency Medical Technician (EMT)
Students examine the roles and responsibilities of an EMT as they perform CPR, utilize an AED, dress wounds, stabilize limbs, and assess burns.

Intro to Health Science
Demonstrate their knowledge of human anatomy, terminology, body systems and the foundational skills necessary to pursue health-related careers.

Health Information Management
Students examine the roles and responsibilities of a Health Information Management professional and the tasks involved with medical records, billing and the importance of patient privacy.

Medical Imaging
Students utilize a range of tools to view the human body in order to safely diagnose, monitor, or treat medical conditions.

Nursing
Students learn hands-on about the roles and responsibilities of nursing professionals including taking vitals, patient education, phlebotomy, suturing, and medical math (solutions & dilutions).

Sports Medicine
Students address the common tasks of diagnostics, therapeutics, education, and prevention of injuries to athletes.

Veterinary Medicine
Students practice safety techniques when dealing with animals, prepare surgical packs, prevent disease transmission, and simulate X-ray techniques.

Medical Science

Medical Science is the ultimate career exploration to engage students in authentic problem-based learning experiences as they discover their interests and aptitudes in Medical Science.

Biomedical Engineering
Students get first-hand experience in materials science and engineering as they experiment with the techniques of prosthetic design.

Biotechnology R & D
Students examine strategies used by scientist to develop and improve medications and demonstrate techniques used in a laboratory research setting.

Employable Skills
Students develop the essential transferable skills needed to get hired and succeed in the workplace and life.

Environmental Health & Safety
Students assess the safety hazards and procedures for maintaining the health and safety of a medical facility and its patients as well as disaster preparedness and emergency response.

Mental Health
Students examine a wide range of mental health conditions and disorders affecting mood, thinking and behavior.

Ophthalmology
Students assess eye health through the practices and procedures common in the field as they learn if a career in this field is a good fit for them.
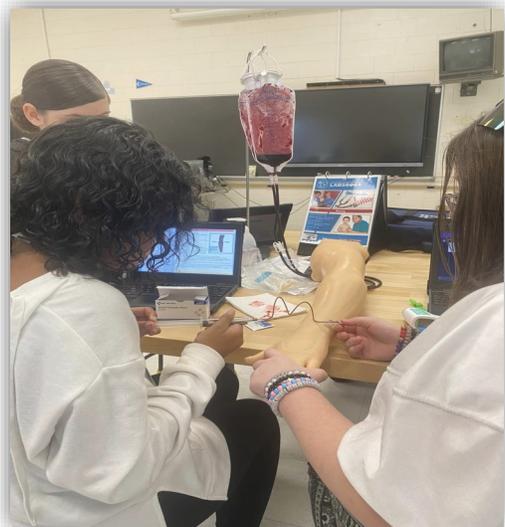
Pharmacology
Students apply techniques to ensure prescription safety, as well as creating solutions and compounding.

Speech Therapy
Students examine and perform the practices and procedures for assessing and treating communication problems and speech disorders.

Therapeutic Services
Students examine the pathway focused on changing the health status of patients over time through direct care, treatment, counseling, or health education information.

Computer Science II
Animations, Games, App Development

The second middle grades corselet (Unit 3 Interactive Animations and Games, Unit 4 The Design Process) of Computer Science Discoveries asks students to look outward and explore the impact of computer science on society. Students will see how a thorough user-centered data is used to address problems that affect large numbers of people, and how physical computing with bare circuit boards allows computers to collect input and return output in a variety of ways.

SKILLS FOR SUCCESS IN MIDDLE SCHOOL COURSES

♦ Critical Thinking & Problem-Solving: Encouraging students to analyze, evaluate, and create solutions.

♦ Collaboration & Teamwork: Developing the ability to work effectively with peers.

♦ Communication Skills: Strengthening written, verbal, and digital communication.

♦ Digital Literacy & Responsible Technology Use: Understanding how to use technology safely and effectively.

♦ Organization & Time Management: Learning how to manage assignments and deadlines.

♦ Personal Responsibility & Growth Mindset: Encouraging accountability and perseverance.

Computer Science III
Computer Programming

The third middle grades corselet (Unit 5 Data and Society, Unit 6 Physical Computing) of Computer Science Discoveries empowers students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving, and fun. Computer Science Discoveries takes a wide lens on computer science by covering topics such as programming, physical computing.

Financial Literacy

Get ready to master the basics of financial literacy and build the confidence you need to make smart money decisions! Learn the key principles behind banking, budgeting, and credit, and discover how to manage your money like a pro. Explore exciting careers in the financial industry and develop the skills for managing your finances in adult life. Plus, gain valuable knowledge that will help you succeed in all Career and Technical Education pathways. It's all about setting yourself up for financial success and a bright future!

Personal Characteristics & Careers

Develop an orientation to self-awareness and the world-of-work. Explore how interests, attitudes, values, learning styles, skills, and personality influence career choices. Build an understanding of the National Career Development Guidelines, including communications skills, personal management, and teamwork. Gain the knowledge and skills for careers in all CTE pathways.

Welcome to MajorClarity

MajorClarity By *PAPER*

🔵 **Platform @ URL** **https://app.paper.co/majorclarity**

Login to MajorClarity using your district's preferred login method:

☐ **Google SSO** (Click the "continue w/ Google" button on main site)

☐ **ClassLink SSO** (Click MC icon on launchpad OR ClassLink SSO button @ URL)

☐ **Clever SSO** (Click MC icon on dashboard OR Clever SSO button @ URL)

☐ **Direct login** (type your district email address & password on the main site)

Sign In

Email

Password

Sign In

Forgot your password?

or

Sign in with Clever

G Continue with Google

Sign in with ClassLink

🔵 **Personality Assessment**

If this is your first time logging in, follow the prompts to complete the **Personality Assessment**.

Assessment   Information   Finish

Personality Assessment
Rate your enjoyment of the following activities to generate better career recommendations.

Would you enjoy performing the following the activitiy?

Design artwork for magazines

❌   Maybe   ✅

Read each question and then respond by clicking the icon which best reflects your opinion.

Assessment Results

Returning users should visit the **Assessments** tab to reset & retake the assessment at least once per school year.

🏠 My Portfolio
📄 Student Journal
📊 **Assessments**
👤 Career Exploration
🗺 Academic Planning

Realistic ⓘ	Social ⓘ	Investigative ⓘ
22%	20%	18%
Artistic ⓘ	Enterprising ⓘ	Conventional ⓘ
16%	13%	11%

ⓘ Click the icon beside each Holland Type to learn more about your top personality trait.

🔵 **Classroom Codes**

If your teacher has provided you with a **Classroom Code** to link your account to their MajorClarity student roster, follow these steps:

① Click the blue **Edit your profile** link beneath your name on the left side menu.

② Enter your teacher's classroom code into the search bar and click **Save Code**. Once added, the advisor code will display above the search box with a yellow highlight to show that you have successfully added yourself to the teacher's roster in MajorClarity.

Joe Belsterling
Edit your profile

🏠 My Portfolio
📄 Student Journal
📊 Assessments

teacher-majorclarity-test (Teacher MajorClarity) ✕

If your teachers have provided you with classroom codes, please enter them below.

Add a Classroom Code

Classroom code

Save Code

Need help?

For questions about your account or the platform, use the live support chat feature.

Look for the chat icon in the bottom right corner of your screen.

💬

Support Chat Hours Monday - Friday 8AM to 5PM ET

support@majorclarity.com

ACADEMIC PLANNING
STUDENT OVERVIEW

MajorClarity By **PAPER**

Academic planning in MajorClarity begins with the selection of a customized district pathway. School and program-specific pathways provide a career-aligned roadmap of required and recommended coursework. User-friendly course planning tools make it easy to build a personalized plan of study and track your progress in meeting graduation requirements.

Project Management

Career cluster

Business Management and Administration

Description

The Project Management courses introduce students to the principles, concepts, and software application used in the management of projects. Through project-based learning, students will understand how to use the framework of initiating, planning, executing, monitoring, and controlling, and closing a project in authentic situations.

Select this pathway

9th Grade Edit Courses

+ Add Math
+ Add Science
+ Add Social Studies
+ Add English
+ Add CTE Elective
+ Add Elective
+ Add Course

Planned Credits: 0.0
Edit Courses

Add Courses

Click the + sign or the blue edit courses link to see recommended coursework for each subject area and grade level in your selected pathway.

Find Courses

Use the Course Search tool to view and add non-pathway course options. Search by subject or course name.

Course Search - 9th Grade Math

Subject
Math

ℹ️ **Hint:** To search a different subject, select a different slot in the grade column on left.

Can't find a course?
Search any **Math** course here:
Search
Enter Course Name

Recommended Courses
To take a course outside of these recommendations, use the open search above.

| Foundations of NC Math 1 1.0 Cr Math | ⊕ | NC Math 1 1.0 Cr Math | ⊕ |

9th Grade

Foundations of NC Math 1 1.0 Cr
Math

Current Course Selection
Delete your current course selection here.

Foundations of NC Math 1 1.0 Cr ❌
Math

Recommended Courses
To take a course outside of these recommendations, use the open search above.

Foundations of NC Math 1 1.0 Cr ⊕
Math

NC Math 1 1.0 Cr ⊕
Math

View & Edit

Course selections will be added to your plan of study. If you change your mind, click anywhere on the red-outlined current course to remove it and select another option.

Track Credits

Use the Grad Tracker tool to view all planned and earned credits to help you stay on track with meeting requirements for graduation.

Graduation Requirements

Earned **Planned**

Math
Goal: 4.0   1/4

Science
Goal: 3.0   1/3

Social Studies
Goal: 4.0   1/4

English
Goal: 4.0   1/4

CTE Elective
Goal: 0.0   1/0

Elective
Goal: 4.0   1/4

Want to Explore a Different Pathway?

Project Management **Change pathways**

Career Cluster: Business Management and Administration

Click the button to view and select a new pathway. We'll make sure your planned coursework is added to the new pathway. Remember to review and update course selections if needed.

What are Star Jobs?

North Carolina's 5-Star Jobs represent occupations with the greatest projected employment potential through 2030. Occupations were rated from 1-5 stars based on wages, projected growth rates, and projected job openings.

FAYETTEVILLE-LUMBERTON REGION

Bladen | Columbus | Cumberland
Hoke | Robeson | Sampson | Scotland

For a complete list of Star Jobs and explanation of the rating process, scan the QR code or visit: www.commerce.nc.gov/data-tools-reports/labor-market-data-tools/employment-projections#StarJobs-274

Advanced Degree

		Hourly	Annual
			MEDIAN WAGE
⭐5	Physician Assistants	$54.16	$112,653
⭐5	Nurse Practitioners	$51.16	$106,416
⭐5	Physical Therapists	$42.32	$88,030
⭐5	Occupational Therapists	$39.13	$81,397
⭐5	Speech-Language Pathologists	$36.02	$74,930
⭐4	Nurse Anesthetists	$106.10	$220,690
⭐4	Historians	$51.62	$107,370
⭐4	Lawyers	$41.88	$87,119
⭐4	Statisticians	$41.06	$85,405
⭐4	Curators	$36.96	$76,877

NCcareers.org
DREAM IT. PLAN IT. BE IT.

🌐 NCcareers.org   🐦 @CareersinNC   ✉ lead@commerce.nc.gov

High School & Work Experience

	MEDIAN WAGE	
	Hourly	Annual
Transportation, Storage, and Distribution Managers	$43.46	$90,406
First-Line Supervisors of Construction Trades and Extraction Workers	$28.56	$59,409
Electricians	$23.34	$48,555
Industrial Machinery Mechanics	$22.97	$47,780
Electrical Power-Line Installers and Repairers	$29.65	$61,668
First-Line Supervisors of Police and Detectives	$28.81	$59,932
Postal Service Clerks	$27.51	$57,221
Food Service Managers	$26.48	$55,079
Postal Service Mail Carriers	$25.22	$52,458
Mobile Heavy Equipment Mechanics, Except Engines	$25.07	$52,146

Postsecondary Training

	MEDIAN WAGE	
	Hourly	Annual
First-Line Supervisors of Firefighting and Prevention Workers	$29.76	$61,897
Aircraft Mechanics and Service Technicians	$29.22	$60,785
Massage Therapists	$24.76	$51,507
Licensed Practical and Licensed Vocational Nurses	$24.36	$50,659
Surgical Technologists	$22.14	$46,054
Heating, Air Conditioning, and Refrigeration Mechanics and Installers	$21.83	$45,397
Heavy and Tractor-Trailer Truck Drivers	$21.62	$44,974
Skincare Specialists	$20.23	$42,082
Paramedics	$18.91	$39,331
Firefighters	$16.69	$34,719

Associate's Degree

	MEDIAN WAGE	
	Hourly	Annual
Registered Nurses	$36.36	$75,621
Respiratory Therapists	$29.39	$61,139
Occupational Therapy Assistants	$29.25	$60,838
Physical Therapist Assistants	$28.68	$59,656
Radiation Therapists	$38.63	$80,352
Architectural and Civil Drafters	$28.12	$58,494
Radio, Cellular, and Tower Equipment Installers and Repairers	$27.00	$56,162
Civil Engineering Technologists and Technicians	$26.60	$55,328
Medical Equipment Repairers	$24.81	$51,596
Environmental Science and Protection Technicians, Including Health	$22.70	$47,211

Bachelor's Degree

	MEDIAN WAGE	
	Hourly	Annual
Computer and Information Systems Managers	$59.90	$124,587
Software Developers	$51.35	$106,816
Financial Managers	$51.06	$106,210
Medical and Health Services Managers	$50.23	$104,486
Data Scientists	$49.76	$103,511
Information Security Analysts	$48.09	$100,036
Management Analysts	$41.03	$85,342
Construction Managers	$40.24	$83,695
Logisticians	$38.15	$79,348
Civil Engineers	$38.00	$79,032

Note: Selected occupations for each education/experience category are based on the Star Jobs Methodology. Education categories in this brochure represent the minimum level of education required for entry according to the Bureau of Labor Statistics. Actual market conditions may require additional education and training.

GPA?

GPA stands for Grade Point Average. It's a way to measure how well you're doing in school. Imagine you have different classes like math, science, and English. You get a grade in each class - like an A, B, C, D, or F.

Now, let's talk about the GPA part. Each of those grades has a number assigned to it. A is usually a 4, B is a 3, C is a 2, D is a 1, and F is a 0. These numbers are like points. So, if you get an A in math, that's 4 points. If you earn a B in science, that's 3 points, and so on.

To find your GPA, you add up all those points and divide by the number of classes you have. The higher your GPA, the better you're doing in school.

Why is having a good GPA important? It's like a report card for how well you're learning and working hard. When you do well in school, it can open up more opportunities for you in the future. Colleges and potential employers might look at your GPA to see how dedicated and hard working you are.

So, keeping a good GPA is like planting seeds for a successful future. It shows that you're responsible and ready for the exciting adventures that come your way!

CTE®
CAREER & TECHNICAL EDUCATION

Learning that works for

Hoke County