

DEKALB HIGH SCHOOL OF TECHNOLOGY NORTH

@ CROSS KEYS HS

INFORMATION GUIDE



CAREER TECHNICAL & AGRICULTURAL EDUCATION
DeKalb County School District



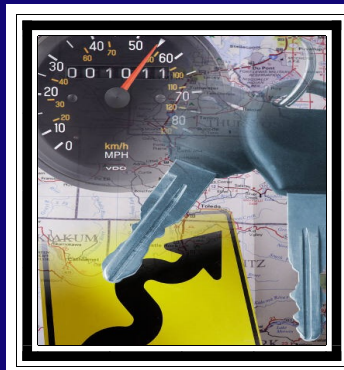
DENTAL
SCIENCE



COSMETOLOGY



LAW ENFORCEMENT
SERVICES /
CRIMINAL
INVESTIGATIONS /
FORENSIC SCIENCE



AUTOMOBILE
MAINTENANCE &
LIGHT REPAIR



CONSTRUCTION



HEALTHCARE-
NURSING/ALLIED
HEALTH



MANUFACTURING
(ROBOTICS)



COMPUTER
PROGRAMMING/
WEB DEVELOP-
MENT

DeKalb High School of Technology North

Career Pathways

And

Contact Information

Career Pathways

1. Automotive
2. Cosmetology
3. Construction
4. Dental Science
5. Healthcare Services—Nursing
6. Information Technology
7. Manufacturing (Robotics)
8. Law Enforcement Services, Criminal Investigations, & Forensic Science

Contact Information

Automotive Services

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Construction

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Counselor

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DHST-N PROGRAMS/FEEDER SCHOOLS

DHST - N PROGRAMS

- AUTOMOBILE MAINTENANCE & LIGHT REPAIR
- COMPUTER INFORMATION SYSTEMS
- CONSTRUCTION
- COSMETOLOGY
- DENTAL SCIENCE
- LAW ENFORCEMENT SERVICES/ CRIMINAL INVESTIGATIONS/FORENSIC SCIENCE
- MANUFACTURING (ROBOTICS)
- HEALTHCARE—NURSING

FEEDER SCHOOLS

- CHAMBLEE HS
- CLARKSTON HS
- CROSS KEYS HS
- DRUID HILLS HS
- DUNWOODY HS
- ELIZABETH HS
- LAKESIDE HS
- STONE MOUNTAIN HS
- TUCKER HS

Automobile Maintenance & Light Repair

Career Cluster: Transportation, Distribution & Logistics

Students in this pathway will learn the basic skills needed to gain employment as a maintenance and light repair technician. Students will be exposed to courses in automotive preventative maintenance and servicing and replacing brakes, and steering and suspension components. In addition, student will learn how to do general electrical system diagnosis, learn electrical theory, perform basic tests and determine necessary action. The hours completed in this pathway are aligned with ASE (Auto Service Excellence)/NATEF (National Automotive Technicians Education Foundation) standards and are a base for the entry-level technician.

CTSO: SkillsUSA

Certifications: Auto Service Excellence (ASE)-MLR, Valvoline Undercar, Schaeffer Clutch, NAPA Car Care, SP2 Safety

Computer Programming and Web Development

Career Cluster: Information Technology

The course is designed for high school students to strategize, design, and develop games and mobile and desktop applications that can be produced in the real world. Students will learn about life-cycles of project development and use models to develop applications. Furthermore, the web development course with Hypertext Markup Language (HTML) and Cascading Style Sheet (CSS) as its foundation, will teach students to develop and design responsive web sites through coding, testing, debugging and implementation of web-based services. This course prepares students for the CIW Site Development Associate and Microsoft Technology Associate .

CTSO: SkillsUSA

Certifications: CIW SDA, MTA HTML5: Application Development Fundamentals and Microsoft Office Specialist (MOS)

Construction (Carpentry, Electrical, Masonry, Plumbing)

Career Cluster: Architecture & Construction

This pathway is designed to prepare students for pursuit of Carpentry, Electrical, Masonry, and Plumbing careers in construction.. Students will explore how the various crafts have influenced and been influenced by history. This pathway also provides basic skills and knowledge needed to apply Occupational Safety and Health Administration (OSHA) and Environmental Protection Agency (EPA) safety concepts and practices relating to the specified trades. The student will also learn and apply knowledge of the care and safe use of hand and power tools as related to each trade. In addition, students will be introduced to and develop skills to differentiate between blueprints related to each individual craft area.

CTSO: SkillsUSA

Certifications: SkillsUSA Workforce Ready System, National Center for Construction Education and Research (NCCER), Work Ready Assessment

Cosmetology

Career Cluster: Human Services

This pathway introduces students to the cosmetology profession. Students will learn the various methods of disinfection, sanitation, and safety used in the cosmetology industry. This pathway introduces various types of scalp treatments, hair and scalp structures, and hair disorders. Students also learn the laws, rules, regulations and how they govern the cosmetology industry. There is emphasis on the importance of salon management and the knowledge and skills necessary to build a successful business.

CTSO: SkillsUSA

Certifications: Up to 450 Licensure Hours upon successful completion of pathway (1500 Hours required for Georgia licensure)

Dental Science

Career Cluster: Health Science

This pathway is designed for students wishing to pursue a career in the area of Dental Science. Students will receive initial exposure to dental health science technical skills and attitudes applicable to dental health occupations. Students are required to meet both national and intrastate professional guidelines as designated by applicable regulatory agencies such as the Occupational Safety and Health Administration (OSHA), Center for Disease Control (CDC) and the Georgia Board of Dentistry.

CTSO: Health Occupations Students of America (HOSA)

Certifications: Dental Assisting Assessment, NOCTI Job Ready Assessment

Law Enforcement Services/Criminal Investigations/Forensic Science

Career Cluster: Law, Public Safety, Corrections and Security

This pathway includes, but is not limited to, introduction to the criminal justice system, police ethics and constitutional law, patrol procedures, traffic control procedures, defensive tactics and physical proficiency skills, interpersonal and communication skills, investigation procedures, court systems and trial procedures, correctional system, introduction to forensic science, crime prevention, property control, and employability skills.

CTSO: SkillsUSA

Certifications: CPR, CERT (Community Emergency Response Training)

Manufacturing

Career Cluster: Manufacturing

This pathway provides students with an introduction to manufacturing technology and its relationship with society, individuals, and the environment. This pathway also includes a study of the various managed activities which are used to develop, produce, use, and assess production technology. Research and development, production, and marketing techniques are reviewed. In addition, students learn about a wide variety of production techniques. Fabrication and assembly steps are highlighted. Assuring product quality is also explored.

CTSO: Technology Student Association

Certifications: Automated Manufacturing Technology Skills Connect Assessment (AMT), NOCTI Job Ready Assessment, Auto Desk

Healthcare-Nursing/Allied Health

Career Cluster: Health Science

Students wishing to pursue a career in the Healthcare Industry will receive initial exposure to healthcare science skills and attitudes applicable to healthcare including the concepts of health, wellness, and preventive care. CTSO: Health Occupations Students of America (HOSA)

Certifications: Certified Nursing Assistant (CNA), Certified Clinical Medical Assistant (CCMA), Medical Office Assistant (MOA)

"WHERE CAN THESE CAREER PROGRAMS LEAD YOU AFTER HIGH SCHOOL"

A MYTH IS THAT STUDENTS WHO PARTICIPANT IN CAREER TECHNOLOGY PROGRAMS CANNOT ATTEND COLLEGE AFTER COMPLETING HIGH SCHOOL. THIS IS A MYTH, THE PROGRAMS THAT THE STUDENTS PARTICPATE IN WHILE IN HIGH SCHOOL, NOT ONLY LEAVE THEM WITH BACKGROUND KNOWLEDGE, BUT THE POSSIBILITY OF CERTIFICATIONS . WE STRONGLY ENCOURAGE STUDENTS TO CONTINUE.



UNIVERSITY
OF MIAMI



“WHERE CAN THESE CAREER PROGRAMS LEAD YOU AFTER HIGH SCHOOL ”

POST-SECONDARY AND EMPLOYMENT OPPORTUNITIES ARE OUR GOALS HERE AT DHST-N

UPON COMPLETING THE CAREER PROGRAMS HERE AT DHST-N, STUDENTS CAN CONTINUE ON TO VARIOUS POST-SECONDARY OPTIONS, SUCH AS 2-YEAR, 4-YR YEAR, AND TECHNICAL/TRADE SCHOOLS. STUDENTS ALSO HAVE THE OPPORTUNITY TO ENTER INTO THE WORK-FORCE. ALL PROGRAMS OFFERED AT DHST-N HAVE SOME SORT OF INTERNSHIP ADDED TO THE PRGORAM FOR OJT.

Cosmetology Opportunities

<u>Occupation</u>	<u>Level of Education</u>	<u>Salary</u>
Manicurists and pedicurists	Training Program/Specialty College	\$19,190*
Master Cosmetologist	Technical/Specialty College	\$38,000*
Barber	Technical/Specialty College	\$41,000*

*Salaries based on skills and location

Dental Science Opportunities

<u>Occupation</u>	<u>Level of Education</u>	<u>Salary</u>
Dental Assistant	Training Program	\$35,980
Dental Lab Technician	Training Program	\$33,950
Dental Hygienists	Associate's Degree/Bachelor's	\$72,000
Dentist	Doctorate Degree	\$158,000

Manufacturing Opportunities

<u>Occupation</u>	<u>Level of Education</u>	<u>Salary</u>
Manufacturing/Production/Industrial Control	Related Work Experience/Technical Training	\$35,000
Production Manager	Associate's Degree	\$67,000
Industrial Engineering Technician	Associate's Degree	\$54,330
Manufacturing Engineering/Design/Fabri.	Bachelor's Degree	\$68,000
Industrial Engineer	Bachelor's Degree	\$83,880

Therapeutic Services Opportunities

<u>Occupation</u>	<u>Level of Education</u>	<u>Salary</u>
Emergency Med Technicians/Paramedics	Moderate on-the-job training/certification	\$31,070
Licensed Practical Nurse (LPN)	Associate's Degree/Diploma	\$43,550
Registered Nurse (RN)	Bachelor's Degree/Associate'	\$67,200

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Therapeutic Services Opportunities

<u>Occupation</u>	<u>Level of Education</u>	<u>Salary</u>
Medical Technologists	Bachelor's Degree	\$53,000
Physical Therapist	Advanced Degree	\$80,800

Network Systems Opportunities

<u>Occupation</u>	<u>Level of Education</u>	<u>Salary</u>
Computer Network Support Specialists	Some College*	\$45,600
Computer Support Specialists	Some College*	\$62,600
Computer Information Systems Managers	Bachelor's Degree	\$111,400

*Certification

Computer Programming Opportunities

<u>Occupation</u>	<u>Level of Education</u>	<u>Salary</u>
Web Developers	Bachelor's Degree*	\$64,600
Network and Computer System Administrators	Bachelor's Degree*	\$77,000
Application Software Developers	Bachelor's Degree	\$89,700

*Certification

Law & Justice Opportunities

<u>Occupation</u>	<u>Level of Education</u>	<u>Salary</u>
Detectives & Criminal Investigators	Bachelor's Degree	\$51,600
Police & Sheriff's Patrol Officers	Some College/No Degree Required	\$37,400
Forensic Science Technicians	Bachelor's Degree	\$56,400
Lawyer	J.D. Degree (Juris Doctorate)	\$115,820

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Automotive Service Technology Opportunities

<u>Occupation</u>	<u>Level of Education</u>	<u>Salary</u>
Automotive Service Technician & Mechanics	Technical College	\$37,220
Automotive Body Repairers	Long-term on-the-job training	\$53,659
Automotive Engineer	Bachelor's degree	\$64,910

Carpentry Opportunities

<u>Occupation</u>	<u>Level of Education</u>	<u>Salary</u>
Cabinetmaker	High School/Training Program	\$28,290
Carpenter	Apprentice/Training Program	\$35,700
Construction Manager	Associate's Degree	\$79, 700

Masonry Opportunities

<u>Occupation</u>	<u>Level of Education</u>	<u>Salary</u>
Carpet, Floor, & Tile Installers/Finishers	Apprentice/On-the-Job Training	\$31,910
Brick Mason	Apprentice/Technical College	\$39,667

Electrical Opportunities

<u>Occupation</u>	<u>Level of Education</u>	<u>Salary</u>
Electrician	Apprenticeship/On-the-Job Training	\$40,700
Power-Line Installers & Repairers	Apprenticeship/L.T. On-the-Job Training	\$42,720

DeKalb High School of Technology North @ Cross Keys HS Information Guide



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