

Areas of Specialization at Columbus Downtown HS



- BUSINESS
- INFORMATION TECHNOLOGY
- PERSONAL SERVICES
- PERFORMING ARTS
- PRE-ENGINEERING
- PUBLIC SAFETY

School Web Site:
www.columbus.k12.oh.us/cdhs

BUSINESS

Financial Services

Study core academic subjects focusing on financial services, principles of economics, principles of accounting and finance course work. Become skilled in the concepts of financial transactions, operational methods of various financial institutions, commercial and consumer credit, financial statements, stocks, bonds, and mutual funds, etc.

Health Informatics

Experience core academic subjects with an emphasis on health sciences, anatomy, physiology, and health records management. Develop skills to review health records for completeness and accuracy, manage secondary health information, apply legal policies, collect and present statistical data and code and classify diagnoses and procedures for the purpose of reimbursement, quality assessment, patient care research and other informational needs.

Legal Office Technology

Focus on a combination of core academic subjects with legal technology, government and the law, computer assisted research, legal document preparation, and advanced computer processing and information. Study a curriculum focusing on manual and computer assisted research of legal questions, legal documents and judicial functions of administrative agencies.

Logistics

Explore the possibility of entering the field of Logistics! Courses include a combination of core academic subjects with an emphasis on principles of logistics, inventory management, and logistics technology. Attain knowledge of logistics terminology and technologies including inventory techniques, bar-coding systems, packing and delivery processes and storage and sorting systems.

School of Business and Entrepreneurship

Discover the school of Business and Entrepreneurship which is a combination of core academic subjects with principles of business management, marketing, economics, business communication, global marketing, finance and advanced computer processing. A student completing this major will demonstrate understanding of key principles in: market development, product development, business development and networking, financial planning, management training and workforce development, business functions, etc.

INFORMATION TECHNOLOGY

Information Support and Services

Prepare for careers in the exciting field of Information Technology (operations, support, deployment/integration). Gain skills to implement computer systems and software, provide technical assistance and manage information systems. Skills needed to acquire certifications will be an integral part of this program.

**364 S. Fourth Street
Columbus, Ohio 43215
614-365-2283**

**Director: David L. Mangas
Supervisor: Beverly M. Geeroms**

Interactive Multimedia

Master the skills needed to become proficient in creating, designing and producing interactive multimedia products and services. Course focuses on the development of digitally-generated or computer-enhanced media. Use multimedia technology to develop products and programs for business, training, entertainment (including animation), communications and marketing.

Networking Systems

Get ready for a promising career in network systems analysis, planning and implementation. Gain the necessary skills to analyze network system needs for the design, installation, maintenance and management of network systems. Skills acquired will assist students to obtain network certifications.

Programming and Software Development

Train in the areas of hardware and software programming and analysis by learning to design, develop, test, document, implement and maintain computer systems and software. Select from program specialties that will lead to computer training in computer operating systems, programming languages, software development, and application and software maintenance.

PERSONAL SERVICES

Cosmetology

Learn and practice skills in haircutting, styling, coloring, scalp care, sanitation and professional ethics. This two-year program prepares students for the Ohio State Board of Cosmetology state exam which is required to practice hairstyling and scalp care in Ohio.

Culinary Arts

Begin the foundation for a career as a chef, caterer, or restaurant manager learning in a state-of-the-art commercial kitchen and restaurant. You will earn the National Restaurant Association's *Pro-Start* © Certification as you move through instruction on safety, food preparation, menus, culinary skills, management and event planning.

Hospitality/Event Management

Prepare for the many facets that make up this career including event management, banquet planning, meetings/conventions coordination

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and entertainment. Students in this specialization will also earn the National Restaurant Association's *Pro-Start* © Certification.

Early Childhood Development

Attain an overview of early childhood education. Students gain exposure to current issues, career possibilities, and the responsibilities, challenges, and rewards encountered by those who work with young children.

Columbus Teaching Academy

Explore a career in education and training. Learn effective teaching strategies, lesson development and instructional technology through two internships at elementary and middle schools. Classes will be held on The Ohio State University campus.

Environmental Services

Receive training for both indoor and outdoor building and landscape maintenance. Instruction in drywall, plumbing and electrical repairs in addition to floor maintenance (stripping and buffing) is provided.

PRE-ENGINEERING

Electronics

The electronics specialization includes a more in-depth study of AC/DC (alternating current and direct current) electronics, electronic devices and electronic communication in addition to the PLTW courses.

Engineering

The industrial technology specialization includes a more in-depth study of materials, machine tools, machining, manufacturing processes and CNC principles in addition to the PLTW courses.

Industrial Technology

The engineering specialization includes additional PLTW elective courses including Civil Engineering and Architecture.

PUBLIC SAFETY

Air Force ROTC

Begin your pursuit of aerospace and military careers while developing leadership skills and becoming self-confident and self-disciplined. Successful cadets may: receive a nomination for the Air Force Academy; or receive a college scholarship; or enter the active duty Air Force two pay grades higher than other enlistees.

Fire Service

Receive training in the practice of firefighting, fire safety, fire inspection techniques, hazardous materials and training in emergency medical practices (EMT). Students must complete the Law and Public Safety Core year one and be 18 years of age during year two training.

Law Enforcement

Learn the skills required to enter careers in law enforcement including criminal law, arrest and

search procedures, search and seizure, unarmed self-defense, traffic control, report writing and radio communication. Students must complete the Law and Public Safety Core year one and be 18 years of age during year two training.



College Readiness & Career Education
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