

A young woman with long brown hair, wearing black-rimmed glasses and a bright green polo shirt, is smiling and looking at a tablet computer. She is outdoors, with a building and greenery in the background. The tablet has a blue protective case. The overall scene is bright and positive, suggesting a focus on technology and learning.

MILTON
HERSHEY
SCHOOL®

FOUNDED 1909

PREPARING STUDENTS FOR
SUCCESS

CAREER AND TECHNICAL EDUCATION AT MILTON HERSHEY SCHOOL

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THE HISTORY AND EVOLUTION OF CAREER AND TECHNICAL EDUCATION

Career and technical education has been engrained in Milton Hershey School's history for more than 100 years. Founders Milton S. Hershey and his wife Catherine were intentional about incorporating training into the school's curriculum so students would learn the necessary skills to lead fulfilling and productive lives.

As the workforce has transformed, so too has the school's Career and Technical Education (CTE) program. Today's curriculum has evolved to include STEAM (science, technology, engineering, arts, and math), problem-solving principles, and hands-on, technical training that aligns with the current job market to prepare students for 21st century careers.

“

The main object in view is to train young men and women to useful trades and occupations, so that they can earn their own livelihood.

MILTON S. HERSHEY



CAREER AND TECHNICAL EDUCATION AT MILTON HERSHEY SCHOOL

Milton Hershey School's award-winning Career and Technical Education program prepares students to graduate both college and career ready by combining tailor-made instruction and hands-on learning with the ability to gain industry-recognized certifications and real-life experience through internships and co-ops.

The program is part of the school's whole child approach to education that helps students overcome obstacles that stem from poverty. Career and technical education can break down barriers by empowering students to discover their unique talents and passions at a young age and giving them the tools to pursue their interests. Students gain skills and knowledge that put them ahead of their peers when entering the workforce or continuing their studies at a postsecondary institution.

EARLY EXPOSURE TO NARROWING CAREER INTERESTS

Students are introduced to the CTE program's 11 career pathways as early as elementary school. Each year, third- and fourth-graders attend the *Design Your Future CTE Fair* on campus where they learn about each career pathway and participate in interactive, hands-on activities. Fifth-through eighth-grade students participate in CTE curriculum that integrates robotics, computer programming and coding, mock crime scene investigations, and more.

When students enter high school, they further explore the pathways before narrowing their areas of interest and ultimately selecting one to study for the remainder of their high school career. Each student completes a four-credit CTE requirement prior to graduation.

CAREER AND TECHNICAL EDUCATION PATHWAYS

-  Agriculture & Natural Resources
-  Automotive Technology
-  Business/Financial Management & Accounting
-  Computer Science & Innovation
-  Construction/Carpentry
-  Culinary Arts/Restaurant Management Services
-  Electronic Media & Journalism
-  Engineering & Design
-  Graphic Communication Technologies
-  Health Science
-  Law, Public Safety & Security



COLLEGE CLASSES OFFERED THROUGH CTE PROGRAM

4

Health Science

Pennsylvania College of Health Sciences

4

Health Science

Harrisburg Area Community College

2

Law, Public Safety & Security

Lebanon Valley College

2

Business/Financial Management & Accounting

Lebanon Valley College

1

Business/Financial Management & Accounting

Carlow University

The CTE experience at MHS features state-of-the-art facilities that simulate real work environments, instructors who are experts in their respective fields, and specialized classes that reflect the needs of employers locally and nationwide. In fact, local businesspeople and experts serve on the advisory committees of each career pathway to ensure the school's curriculum, certifications, and workplace experiences meet high standards and are relevant to the workplace now and in the future.

MHS also offers 13 college classes through its CTE program. The program gives students the ability to earn college credits while still in high school and assess whether college is the right path for them.

“

We not only want [students] to succeed here, but we care about their success after they graduate.

DAVE CURRY

MHS CAREER AND TECHNICAL EDUCATION DIRECTOR



INDUSTRY-RECOGNIZED CERTIFICATIONS

All students can earn state- and nationally-recognized certifications. Within our 11 career pathways, students have more than 90 industry-recognized certification opportunities that expose them to the skills they need while building an impressive resume.



100% of 2012 to 2018 graduates earned at least one industry-recognized certification

95% OF 2018 GRADUATES EARNED AT LEAST

3 INDUSTRY-RECOGNIZED CERTIFICATIONS

89% OF 2018 GRADUATES EARNED AT LEAST

4 INDUSTRY-RECOGNIZED CERTIFICATIONS

26% OF 2018 GRADUATES EARNED AT LEAST

10 INDUSTRY-RECOGNIZED CERTIFICATIONS

AUTHENTIC WORK EXPERIENCES

To build upon the technical skills students gain in CTE classrooms, MHS has developed strong partnerships with the local business community to offer students meaningful internship and co-op experiences that match their chosen career path.

Students are able to work in authentic work environments and learn directly from professionals. It's a constructive way for students to discover various aspects of a particular career or industry while introducing them to employability skills, such as time management and organization.

83

high school students participated in the 2017 summer internship program

43%

of 2017 graduates gained work experience through internships and co-op experiences

INDUSTRY PARTNERS

- Hershey Entertainment & Resorts
- The Hershey Company
- Penn State Health Milton S. Hershey Medical Center
- JPL
- TE Connectivity
- Dauphin County District Attorney's Office
- Pennsylvania Office of the Governor

WORK EXPERIENCES HELP STUDENTS

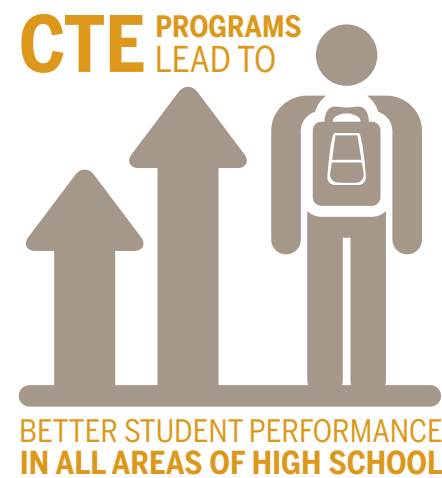
- Solidify career goals
- Gain employability skills
- Enhance technical skills
- Gain self-confidence
- Build a professional network

LEADING THE WAY

Our instructors adapt curriculum and experiential learning in response to workforce trends to position students for success and increase their long-term career and earnings potential. Their commitment is what makes our school a national career and technical education leader.

MHS hosted the *Taking It to the Next Level* conference to further the national dialogue about career and technical education by bringing together experts, policymakers, and scholars from across the country. We continue to lead the CTE conversation and facilitate information-sharing among schools nationwide by hosting Twitter chats that increase collaboration among education and industry thought leaders.

In 2018, MHS received approval from the Pennsylvania Department of Labor & Industry to implement the first state-registered pre-apprenticeship program—giving students the ability to work in their desired industry before graduation. MHS graduates are able to take advantage of the culinary arts pre-apprenticeship with Hershey Entertainment & Resorts. The school is working to develop pre-apprenticeships for other career pathways.



“

It's our responsibility to set students up for lifelong success. Our CTE program provides them with a solid foundation and the resources to become college and career ready.

PETE GURT '85
MHS PRESIDENT



AWARDS AND RECOGNITION



2018, 2016 & 2015

Pennsylvania ProStart Culinary Invitational

winners

2017

Excellence in Action Award

for Law, Public Safety & Security career pathway from Advance CTE

2016

Pennsylvania Mock Trial State

finalist

2016

Pennsylvania Mock Trial Region 6

champions

2016 & 2015

Pennsylvania Mock Trial District 1

champions

2013

Outstanding Business/Education Partnership Award

for the Hershey Honors Authentic Business Management program, a collaboration between MHS and The Hershey Company, from the Pennsylvania Association for Career and Technical Education

2013

Frederick D. Kagy Education Award of Excellence

for the Graphic Communication Technologies career pathway from the Printing Industries of America—the first time a Pennsylvania school won the award

2013

Residential Educator of the Year

for Law, Public Safety & Security teacher Dave Curry from the Coalition for Residential Education

2012

Workplace Innovation Honors

for the Hershey Honors Authentic Business Management program from PR News



AGRICULTURE & NATURAL RESOURCES

Agriculture has a rich history at MHS. Founders Milton and Catherine Hershey included agricultural instruction in the Deed of Trust when establishing the school. Since then, teaching methods have evolved to support current practices, address modern challenges, and infuse science-based learning so students have the skills to pursue 21st century agriculture careers.

Today's Agriculture and Natural Resources classes at MHS embrace CASE—a national curriculum designed to establish a structured sequence of agricultural, food, and natural resource science courses that are both rigorous and relevant—and are aligned with the STEAM (science, technology, engineering, arts, and math) focus of the school's Agricultural and Environmental Education (AEE) program.

The pathway provides students with hands-on, student-centered lessons and experiences with aeroponics, hydroponics, crops, orchards, floriculture, and animals. Students are prepared for careers

that involve the production, processing, marketing, distribution, financing, and development of agricultural commodities and resources.

This active-learning exposure increases students' environmental and agricultural literacy, as well as their career opportunities and postsecondary preparation in agri-business—an industry currently growing by more than 5 percent.*

Students in this career path also have the option to participate in the AEE program's student-run STEAM Project Market and after-school activities like 4-H and Future Farmers of America.

**Employment Opportunities for College Graduates in Food, Agriculture, Renewable Natural Resources, and the Environment, United States, 2015-2020 by USDA's National Institute of Food and Agriculture and Purdue University*



“

This internship gives me a glimpse at what I want in a future career. There's college, but you need real-life experience, too—this is giving me that.

NATE GOURLEY '18
ON HIS INTERNSHIP AT THE PENNSYLVANIA FISH AND BOAT COMMISSION



Project Market operates through an authentic, student-run business model and a collaborative partnership between the AEE and CTE programs. Students lead Project Market's marketing, research, design, and product development.



The school's 10,000 acres, including farmland, greenhouses, and trout hatchery, give students a truly experiential learning environment.



10 INDUSTRY-RECOGNIZED CERTIFICATIONS

CORE SKILLS

- Work ethic
- Ability to work with heavy machinery
- Interest in environmental sciences

FUTURE CAREER OPTIONS

- Conservation officer
- Veterinarian
- Environmental scientist

CERTIFICATION OPPORTUNITIES

- Career Safe® OSHA General Industry Agriculture
- Pennsylvania Boating Safety Course
- Youth for the Quality Care of Animals

SETTING STUDENTS UP FOR SUCCESS

With an on-campus environmental center and acres of natural resources, students get a firsthand look at the agriculture industry.



AUTOMOTIVE TECHNOLOGY

Through the Automotive Technology pathway, students acquire the knowledge and skills needed to service and maintain automobiles and gain exposure to similar industries. A fully equipped auto shop on campus provides an authentic work environment where students learn the core skills of changing brakes, assembling engines, resolving electric system issues, and welding.

Hands-on activities, internships, and co-ops develop confidence, work ethic, and technical skills among students that transfer to various occupations in the automotive field and related careers such as mechanical engineering, welding, and manufacturing.

MHS graduate Nate Cunfer '18 developed an understanding and skill set with piston engines while in the CTE program that supports his goal of becoming an aeronautical mechanic and, one day, a pilot. Nate will be able to refer to his internship experience at Faulkner Honda as he continues his education at the Pittsburgh Institute of Aeronautics.

Certifications acquired while at MHS demonstrate to employers that our students meet the criteria and level of knowledge they are looking for. As baby boomers retire and the need for auto mechanics and similar careers increases, students in this pathway have the ability to begin in-demand careers immediately following graduation.



“

Working [at Faulkner Honda] has been a pretty great experience. I've been able to see how everything works around the shop, and they're teaching me to be organized.

NATE CUNFER '18
ON HIS INTERNSHIP AT FAULKNER HONDA



Along with technical skills, students learn the importance of a strong work ethic during their time in the Automotive Technology career pathway.

3 INDUSTRY-RECOGNIZED CERTIFICATIONS

CORE SKILLS

- Changing brakes
- Assembling engines
- Fixing electrical systems
- Welding

FUTURE CAREER OPTIONS

- Automotive technician
- Mechanical engineer
- Commercial fleet manager

CERTIFICATION OPPORTUNITIES

- Snap-On Meter Certification
- Valvoline Motor Oil Basics
- PA Safety Inspection Technician

SETTING STUDENTS UP FOR SUCCESS

With an on-campus automotive shop, students learn how to service and maintain automobiles.



BUSINESS/FINANCIAL MANAGEMENT & ACCOUNTING

The Business/Financial Management and Accounting pathway empowers students to take control of their future by equipping them with the classroom instruction, hands-on training, work experiences, and mentorship needed to become tomorrow's business leaders. Students develop skills and knowledge they can use for careers in finance, marketing, advertising, sales, management, and entrepreneurship.

The curriculum combines business processes, technology, and ethics to create a firm foundation for students to build upon.

MHS partners with industry professionals, who serve as mentors and guest speakers, to help students understand the bigger purpose of their classroom lessons. The award-winning Hershey Honors Authentic Business Management program connects honors students with subject matter experts from The Hershey Company to explore the inner workings of the Fortune 500 company. Students meet with these experts once a week to learn about employees' roles,

understand how their functions support the organization, and gain an awareness of corporate challenges and successes.

COLLEGE AND CAREER READY

Students can select specific courses that are in line with their business interests, such as accounting or marketing. They also have the opportunity to leave campus with nine college credits they can transfer to a postsecondary institution. Accounting 2, Principles of Management, and Modern Business Organizations are college credit courses taught by college-certified instructors and professors in MHS classrooms.

Participating in SkillsUSA competitions gives business students an additional outlet to build and hone the presentation skills they will use in their careers. To prepare for the SkillsUSA contest, students collaborate with MHS staff members who mentor them throughout the year.



I got to experience what a real business work environment was like. I also learned new accounting methods.

OLAYIWOLA OLADIPO '18
ON HIS INTERNSHIP AT THE
HERSHEY TRUST COMPANY



Rebecca Jutkus, Manager of Chocolate Product Development at The Hershey Company, explains to MHS business students the process of bringing a new product to market.



9 COLLEGE CREDITS

25 INDUSTRY-RECOGNIZED CERTIFICATIONS

CORE SKILLS

- Ability to think technically
- Communication and public speaking
- Interest in consumer trends

FUTURE CAREER OPTIONS

- Accountant or finance manager
- Marketing specialist
- Entrepreneur

CERTIFICATION OPPORTUNITIES

- Microsoft Office Specialist-EXCEL
- Microsoft Office Specialist-WORD
- EverFi™ Venture Entrepreneurial Expedition

SETTING STUDENTS UP FOR SUCCESS

Through hands-on learning and professional experience, students gain technical business knowledge and employability skills.



COMPUTER SCIENCE & INNOVATION

Like the rapidly evolving information technology industry, the Computer Science and Innovation career pathway is constantly changing to ensure it equips students with the skills and knowledge they need to adapt and thrive in the jobs of tomorrow.

Coursework is project-based with heavy incorporation of design thinking and STEAM (science, technology, engineering, arts, and math). Students become adept in working with augmented and virtual reality, robotics, computer software, electronics, programming, and coding. They also learn to reverse engineer software systems so they can create programs.

Careers in the tech industry are among the fastest growing in the world. Students who pursue jobs in

this field enjoy excellent compensation, challenging work, and opportunities for advancement. Software development is an example of one career students in this pathway may pursue. Employment of software developers is projected to grow 24 percent from 2016 to 2026*—much faster than the average for all occupations.

The school collaborates with industry professionals from local companies like TE Connectivity and Tyco to create internships that give students real-world experience.

**Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, Software Developers*



“

I learned about the vast amount of things you can do with computer-aided design, and it was really cool getting to step into the world of virtual reality. It opened my mind to what's out there.

LESTER HUANG '19
MHS STUDENT



Students in the Computer Science and Innovation pathway applied their classroom knowledge to the real world by helping assemble and install a water quality sensor in a stream on campus. The sensor gives students the ability to measure the overall health of the stream long term.



6 INDUSTRY-RECOGNIZED CERTIFICATIONS

CORE SKILLS

- Problem solving
- Ability to work with technology
- Out-of-the-box thinking

FUTURE CAREER OPTIONS

- Web developer
- Computer programmer
- Data analyst

CERTIFICATION OPPORTUNITIES

- CompTIA A+ IT Technician
- EverFi™ Radius - Math and Coding

SETTING STUDENTS UP FOR SUCCESS

Using advanced technology like virtual reality and 3-D printing, students learn how to solve complex technological problems.



CONSTRUCTION/ CARPENTRY

The trades are among the fastest growing industries in the country. A significant number of construction workers are retiring at a time when construction projects are on the rise.

At MHS, the uptick in construction careers is reflected in the expanded curriculum of the Construction/Carpentry pathway. While students have long been equipped with the fundamental skills required of a residential carpenter to frame and finish a house, they are now also getting hands-on HVAC, electrical, and plumbing experience.

Students participate in all phases of the on-site construction of a staff home on the school's campus.

The national trend of more women joining the construction industry also is apparent in Milton Hershey School's Construction/Carpentry pathway where more female students than ever are developing the skill set and training to lead careers in construction.

All students in the pathway graduate with the confidence and ability to secure industry jobs with family-sustaining wages. They also develop lifelong skills that will enable them to maintain their own homes in the future.



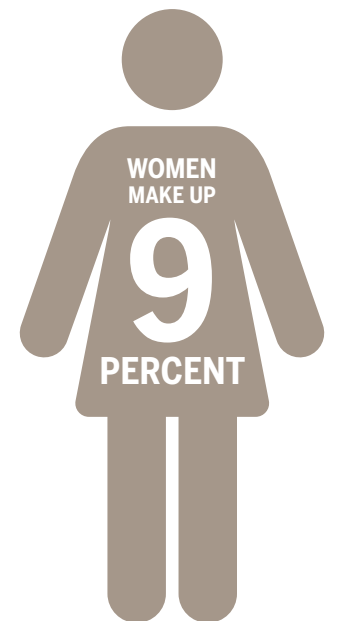
“

I want to do residential remodeling. I love that women are empowering themselves to get into this field. I'm further than I ever thought I could be.

JASMINE MCGINNIS '19
MHS STUDENT



According to the
National Association
of Women in Construction



of the construction industry
UP FROM 1 PERCENT IN 2015

7 INDUSTRY-RECOGNIZED
CERTIFICATIONS

CORE SKILLS

- Building frames and walls
- Installing electrical circuits
- Working with tools and machinery

FUTURE CAREER OPTIONS

- Construction manager
- Carpenter
- Plumber
- Electrician

CERTIFICATION OPPORTUNITIES

- Career Safe® 10 Hour Construction Industry Course
- NCCER Construction Technologies

SETTING STUDENTS UP FOR SUCCESS

Through hands-on learning, students have opportunities to construct homes on campus and gain ownership of technical projects.



CULINARY ARTS/ RESTAURANT MANAGEMENT SERVICES

Students in the Culinary Arts/Restaurant Management Services pathway develop the fundamental skills needed to become culinary professionals. The curriculum focuses on real-life applications of cooking, baking, and pastry methods as well as techniques, nutrition, safety and sanitation principles, and food and kitchen cost controls.

With internships, co-ops, mentoring by industry professionals, and pre-apprenticeships available, there is no shortage of experiences outside of the classroom for students to further their training while being introduced to a work environment and employability skills.

The annual ProStart Culinary Invitational gives students added exposure to the culinary industry and tests their teamwork, workplace communication, and culinary skills by challenging them to create a three-

course meal using only butane burners. The MHS team won first place in the Pennsylvania ProStart Culinary Invitational in 2015, 2016, and 2018, which qualified the group to compete at the national event sponsored by the National Restaurant Association Educational Foundation in front of industry leaders and culinary institutions.

PRE-APPRENTICESHIP

During the 2017-18 school year, MHS introduced its first hybrid apprenticeship in this career pathway. Through a partnership with Hershey Entertainment & Resorts, students have the opportunity to complete a pre-apprenticeship comprised of authentic work experience at a co-op and relevant coursework that leads to a full-time apprenticeship with the company following graduation. It is the first state-registered pre-apprenticeship in Pennsylvania.



“

MHS really helped me prepare, so I wasn't taken aback by anything [in the internship]. But anything [The Hotel Hershey] chefs had to teach me, I was definitely welcome to.

KIANA GILBERT '17
ON HER INTERNSHIP AT
THE HOTEL HERSHEY



“My co-op helped prepare me to achieve my goal of one day owning my own restaurant. I've learned to be organized, manage time, and be a team player.”

MARIAH RODGERS '18

2 INDUSTRY-RECOGNIZED
CERTIFICATIONS

CORE SKILLS

- Time management
- Communication
- Prioritization
- Understanding of art and science

FUTURE CAREER OPTIONS

- Chef
- Baker
- Restaurant manager

CERTIFICATION OPPORTUNITIES

- ServSafe Allergens®
- ServSafe Manager®

SETTING STUDENTS UP FOR SUCCESS

By developing culinary skills in on-campus kitchens and sourcing local ingredients, students understand how food is grown and produced.



ELECTRONIC MEDIA & JOURNALISM

An on-campus television studio and state-of-the-art equipment and computer programs equip MHS students in the Electronic Media and Journalism career pathway to pursue careers in today's evolving media industry.

Students gain an understanding of the behind-the-scenes work necessary to bring their ideas to life in a variety of media—from videos and short films to public service announcements. They also develop research, writing, producing, camera, and video editing skills.

The industry advisory committee created by MHS for this CTE pathway plays an important role in ensuring lessons are relevant to careers in the field.

Incorporating Adobe Premiere Pro editing software is one example of committee input that is keeping MHS students ahead of other high school students across the country who are interested in entering this field immediately or after college.

Internships with local companies like Hershey Entertainment & Resorts and JPL provide opportunities for students to learn from and develop connections with industry professionals who serve as mentors.



“

These skills are going to help me in the future because now I truly know the different aspects of working for a film company.

CAITLIN DAVIS '18
ON HER INTERNSHIP AT JPL



In 2017, Charity Frye, an MHS senior at the time, won an Emmy from the Mid-Atlantic Region of The National Academy of Television Arts and Sciences (NATAS) for the High School Student Emmy Awards for Excellence in the writing category for a short film she produced in class.

2 INDUSTRY-RECOGNIZED CERTIFICATIONS

CORE SKILLS

- Writing
- Editing
- Video production

FUTURE CAREER OPTIONS

- Digital social media specialist
- Photojournalist
- Filmmaker/writer

CERTIFICATION OPPORTUNITIES

- Adobe® Certified Associate in Video Communication Using Adobe Premiere Pro
- NOCTI Broadcasting and Journalism

SETTING STUDENTS UP FOR SUCCESS

With a hands-on approach to learning, students learn the fundamentals of videography and storytelling.



ENGINEERING & DESIGN

A career in engineering and design gives students the option to work across a variety of areas, including civil, industrial, mechanical, and environmental engineering. Classroom lessons and hands-on experiences in the Engineering and Design pathway expose students to computer applications and software currently used by professionals in the field, such as AutoCad®, Inventor®, and Revit®.

A rigorous curriculum that incorporates STEAM (science, technology, engineering, arts, and math) prepares students to earn multiple industry-recognized certifications before graduation.

Students recognize the real-life application of their classroom instruction while designing homes on campus that students in the Construction/ Carpentry career pathway build. They also learn from guest speakers like the engineers at Hershey Entertainment & Resorts who share detailed insight on the design behind roller coasters and other Hersheypark attractions.

Following their sophomore year, students can specialize in either architecture or engineering and have the opportunity to participate in internships and co-ops.



“

If I wasn't here, I definitely wouldn't be doing an internship. It's something unique at my age. MHS gave me the opportunity to really understand what an internship can do and it gives me better insight into [the future].

SEBASTIAN BINGHAM '18
ON HIS INTERNSHIP AT WHITING-TURNER



Lehigh University student Alex Radetsky, a 2016 MHS graduate, built a strong engineering foundation while in the school's CTE program. Alex is part of a special engineering team at Lehigh selected by Elon Musk, owner of Tesla Motors and SpaceX, to develop engineering solutions for a high-speed underground train. He returns to his MHS home to share his experience with current students.



5 INDUSTRY-RECOGNIZED CERTIFICATIONS

CORE SKILLS

- Technical problem solving
- Analytical thinking
- Planning
- Designing
- Creativity

FUTURE CAREER OPTIONS

- Engineer
- Architect
- Designer

CERTIFICATION OPPORTUNITIES

- Autodesk® Revit®
- Autodesk® Inventor®
- Autodesk® AutoCAD®

SETTING STUDENTS UP FOR SUCCESS

Through industry-recognized software and close collaboration with on-campus construction teams, students gain real-world experience with engineering and design.



GRAPHIC COMMUNICATION TECHNOLOGIES

The award-winning curriculum of the Graphic Communication Technologies pathway teaches students the skills that will lead to employment in print, publishing, graphic design, and other creative careers.

Students are introduced to digital file preparation and output, image capture, offset press operations, binding and finishing, safety, interpersonal skills, specialized design software, and visual communication principles and materials.

Classroom assignments and internship experiences allow students in this pathway to graduate with a portfolio of work, as well as industry-recognized certifications that include graphic design and illustration using Adobe Illustrator and PrintED's Press Operations, Binding, and Finishing.

Students can choose to specialize in the hands-on printing aspect in the school's print shop or graphic design using professional software in the pathway's computer lab.



“

Art is the way I express myself. I didn't know I could turn it into a career until I came to MHS. My internship at Hershey Entertainment & Resorts gave me the opportunity to gain mentorship from experts in the field and make connections.

MALCOLM JONES '18
ON HIS INTERNSHIP AT
HERSHEY ENTERTAINMENT & RESORTS



For students who are interested in graphic design, print production, and digital art, this pathway allows them to experience the process of creating real-world products.

6 INDUSTRY-RECOGNIZED CERTIFICATIONS

CORE SKILLS

- Design thinking
- Ability to work with technology
- Creativity
- Interpersonal communication

FUTURE CAREER OPTIONS

- Advertiser
- Graphic/web designer
- Publisher
- Packaging manufacturer

CERTIFICATION OPPORTUNITIES

- Adobe Photoshop
- Adobe InDesign
- Career Safe® OSHA 10 Hour General Industry

SETTING STUDENTS UP FOR SUCCESS

With advanced design software and an on-campus print shop, students learn how to visually exchange information using technology.



HEALTH SCIENCE

Jobs in the health care field are among the fastest growing occupations in the country. The Health Science career pathway at MHS has evolved to keep up with innovation and expose students to skills that support today's wide range of health care careers.

Classroom instruction is reinforced during students' clinical observation in 16 different departments at nearby Penn State Health Milton S. Hershey Medical Center—ranked the best hospital in the region and fourth in the state by U.S. News and World Report.

In addition to gaining knowledge, students also have the opportunity to gain industry certifications and college credits before graduating high school thanks to the school's partnerships with Harrisburg Area

Community College and Pennsylvania College of Health Sciences, an entity of Penn Medicine Lancaster General Health.

Beginning in the 2018-19 school year, Health Science students can complete college-level coursework by attending classes on the Pennsylvania College of Health Sciences campus. This brings the number of college credits Health Science students can earn and transfer to a postsecondary institution to 27.

These affiliations with renowned health care providers and hospitals give students excellent opportunities to complete internships under the mentorship of highly trained and qualified health care professionals.



“

The people here are making a direct impact on others' lives, and that only motivates me to go into this field even more because I can actually see how I can make a difference. That's exactly what I want in a [future] career.

ZARIA BECKLEY '18

ON HER INTERNSHIP AT PENN STATE HEALTH MILTON S. HERSHEY MEDICAL CENTER



“My time in the Health Science pathway cultivated my interest in the health care field. It also equipped me with a foundation of medical terminology which I used in my first class in undergrad and medical school today.”

LARRY KLOMPS '08, MHS GRADUATE AND PENN STATE COLLEGE OF MEDICINE STUDENT



27 COLLEGE CREDITS

9 INDUSTRY-RECOGNIZED CERTIFICATIONS

CORE SKILLS

- Interest in science and math
- Interpersonal communication
- Responsible decision making

FUTURE CAREER OPTIONS

- Nurse
- X-ray technician
- Doctor
- Physical therapist

CERTIFICATION OPPORTUNITIES

- Basic Life Support (BLS) for Healthcare Providers
- FEMA IS-700.A National Incident Management System
- Workplace Bloodborne Pathogens

SETTING STUDENTS UP FOR SUCCESS

With on-campus labs and strong connections with local medical centers, students develop a comprehensive foundation in various aspects of health science.



LAW, PUBLIC SAFETY & SECURITY

The goal of the Law, Public Safety and Security pathway is to teach students the various aspects of law and law enforcement careers and equip them with an understanding of the legal system that is viable to their interest in these careers.

An on-site courtroom and crime scene forensic simulation room enhance classroom lessons. The curriculum enables students to steadily progress in their skill level and knowledge throughout their high school career—beginning with the fundamentals of the criminal justice process and ethics as freshmen.

Sophomores learn about criminal, civil, and constitutional law before being taught how to investigate crime scenes, interrogate suspects, and conduct patrol duties. Junior year is focused on public speaking, trial practice, and legal writing

and research. Seniors have the opportunity to participate in work-based learning experiences and earn college credits in classes taught by Lebanon Valley College professors on campus. Recently, students have interned with the Pennsylvania Governor's Office, the Pennsylvania Department of Education, the Dauphin County District Attorney's Office, and Hershey Entertainment & Resorts' legal department.

Law-related clubs and activities, like Mock Trial, SkillsUSA competitions in criminal justice and public speaking, and the Rotary Four-Way Speech Contest, strengthen and support students' growing interest in the field. The Spartan Justice Club takes juniors out of the classroom on monthly field trips to gain additional exposure to law- and security-related careers and facilities.



“

I met and worked with some of the most wonderful people working to protect our streets. I learned that being a woman in the world of law enforcement is not a setback, but instead a position of strength and empowerment.

JOY JOHNS '19

ON HER INTERNSHIP WITH THE DAUPHIN COUNTY CRIMINAL INVESTIGATION DIVISION



The MHS Mock Trial team won the District Championship in 2016 and 2017. During competition, students learn more about the legal system and court procedures and improve their listening and reasoning skills.

6 COLLEGE CREDITS

8 INDUSTRY-RECOGNIZED CERTIFICATIONS

CORE SKILLS

- Written and verbal communication
- Teamwork
- Integrity

FUTURE CAREER OPTIONS

- Lawyer
- Police officer
- Forensic investigator
- Security officer

CERTIFICATION OPPORTUNITIES

- Pennsylvania Emergency Management Agency (PEMA) Community Emergency Response Team
- MOAB® Management of Aggressive Behavior
- Site Protection Through Observational Techniques

SETTING STUDENTS UP FOR SUCCESS

Through an on-campus courtroom and crime scene forensic simulation room, students learn about different types of law, the criminal justice process, and how to investigate crime scenes.

GRADUATE SUCCESS

MHS alumna Tieya Greene '03 discovered her interest in the health care field as a student in Milton Hershey School's CTE program. While at MHS, she became certified as a nursing assistant through the CTE program and gained real-world experience working as a nurse's aide during the summer.

After graduating, Tieya earned a bachelor's degree in nursing from Northeastern University in Boston and immediately began working in the Intensive Care

Unit at the Penn State Health Milton S. Hershey Medical Center. She later attended Georgetown University where she completed the Nurse Anesthesia master's program and became a certified registered nurse anesthetist (CRNA).

Today, she works at the Northern Virginia Surgery Center as a CRNA and continues to return to campus to share her knowledge and insight with current students.

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Everything I learned in the Health Science pathway was spot-on with the basic knowledge I learned my first year in nursing school. It was a great stepping stone.

TIEYA GREENE '03
MHS ALUMNA



ABOUT MILTON HERSHEY SCHOOL

Milton Hershey School began as a dream and vision shared by the famous chocolate maker Milton S. Hershey and his wife Catherine. Unable to have children of their own, they used their wealth to create a home and school for orphaned boys in 1909 called the Hershey Industrial School (renamed Milton Hershey School in 1951).

Today, MHS thrives as a cost-free, private, coeducational home and school for more than 2,000 students from families of lower income. It offers a positive, structured home life year-round and an excellent pre-kindergarten through 12th-grade education. The school focuses on building character and college and career readiness so students have the skills to be successful in all aspects of life.

Career and technical education is not a new concept for the school, but rather dates back to our earliest days. Under the leadership of President Pete Gurt '85, the program has evolved and grown to align with today's high-priority occupations as part of President Gurt's 2020 Vision strategic plan to deliver a top-notch education by enhancing career exposure and preparation for all students.



**MILTON
HERSHEY
SCHOOL**
FOUNDED 1909

45% OF MHS
ALUMNI
ARE EMPLOYED IN A FIELD
THAT MATCHES THE CONCENTRATION
THEY STUDIED AT MHS

58% OF MHS
ALUMNI
EARNED A POSTSECONDARY
DEGREE THAT MATCHES THEIR
MHS CAREER PATHWAY 



MILTON
HERSHEY
SCHOOL®



Milton Hershey School is one of the world's best private schools, offering a top-notch education and positive home life to children in pre-kindergarten through 12th grade from families of lower income at no charge. Learn more at:

mhskids.org

Milton Hershey School does not discriminate in admissions or other programs and services on the basis of race, color, national or ethnic origin, ancestry, sex, religious creed, or disability. Visit mhskids.org for more information.