# 2022-23 Viewbook

Full-Time Programs

MERIDIAN
TECHNOLOGY CENTER

# WHY TECH

## COMPETITIVE ADVANTAGE

Right now you may not know exactly what your next steps are. Will you choose college? Or will you choose a career? No matter what you choose, coming to Tech gives you a competitive advantage for both. Each of our programs includes a blend of theory and hands-on application. This means you'll know what you need to do and actually how to do it! Wherever you're headed in life, your journey begins here!

## WHY MERIDIAN

- Tuition-free for district high school students
- Small classes
- Hands-on learning
- Free transportation for district high school students
- Leadership opportunities
- Many self-paced classes

# WHAT'S YOUR FOCUS


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Metal Works ..... 22-23


**ONLY HAVE ONE YEAR TO SPEND AT TECH?**
**THESE PROGRAMS CAN BE COMPLETED IN ONE SCHOOL YEAR.**

- Air Conditioning and Refrigeration
- Automotive Technology
- Carpentry
- Collision Repair Technology
- Criminal Justice
- Culinary Arts
- Digital Media
- Electrical Technology
- Energy and Power
- Health Careers
- Information Technology
- Pharmacy Technician
- Precision Metal Fabrication
- Product Development and Machining
- Welding

*Programs not listed above will take two years to complete.*
*Program length is reflected in calendar icons.*

# BUSINESS BASICS

## BUSINESS TECHNOLOGY

The Business Technology program provides students with the computer skills they need to be successful at work and in life. With beginner and advanced levels, students in this program gain an understanding of financial management as it relates to professional and personal decisions including creating and managing a budget, making and managing investments, purchasing property and online banking. Employability skills and practical knowledge needed for independent financial living are cornerstones of this program.

The Administrative Assistant track explores high-level technology and managerial skills while mastering office procedures, telephone etiquette and customer service skills. Upon completion of this program, students will have the skills they need to take Microsoft Office Specialist and Digital Literacy certifications.

The Entrepreneur track features an online virtual business management simulation where students recruit, hire and supervise employees and compete for their market share with other virtual businesses in the classroom. Embedded within this curriculum, students will learn how to develop, promote, deliver and present marketing strategies for top social media platforms.

# GO DIGITAL

## DIGITAL MEDIA

To get in touch with your creative side, explore Digital Media. In this area, you'll learn to create text, graphics, audio and videos. Specialization areas include Digital Video Production, 3D Animation and Motion Graphics, Web Design and Graphic Design.

In the Digital Video Production major, you can learn how to apply technology combined with the newest media to create great content. Whether you are directing the next sci-fi thriller, music videos or comedies, great editing requires great tools! Industry standard software such as Final Cut Pro and Premiere Pro are used to bring your story to life.

The 3D Animation and Motion Graphics specialization will challenge you to combine your academic abilities with creativity and innovation, as you redefine reality through 3D design and animation, visual effects and advanced techniques for motion graphics.

The Graphic Design training will teach you how to create computer-generated graphics and apply them to traditional print pieces, web design and animation. In this program you'll also learn advanced digital photography techniques as well as copyright basics to protect your creations.

If you'd rather focus on using your talent and skills as a Web Designer, you can learn to write and/or script languages to design appealing websites. This major also explores the basic elements of design and composition including typography, color and information design to develop a brand's identity.

## INFORMATION TECHNOLOGY

If you're interested in delving deeper into the world of Information Technology, this is where you need to be. Students who choose this career pathway can learn how to repair, service and troubleshoot personal computers and computer-related equipment or advance their tech skills to ensure that a company's networking is running smoothly and efficiently.

Or, if you're more interested in the world of cybercrime, you can put your investigative skills to work as a digital detective and learn how to work with law enforcement officers to gather evidence or protect people, networks and intellectual property from hackers.

# BUILD SOMETHING NEW

## CARPENTRY 1 2

We've got the tools if you have the vision. Students in the Carpentry program have an opportunity to get hands-on experience building projects both large and small. In the classroom, you'll focus on the fundamentals including working with various types of lumber, learning how to safely use power tools and hand tools, and reading blueprints. Then, you'll get on-the-job work experience building a home in a nearby neighborhood. Students in this program frequently collaborate with students and instructors in the school's other building trades programs.

## AIR CONDITIONING AND REFRIGERATION 1 2

Interested in a cool career? This program specializes in the design and installation of home and business heating and cooling systems. Students will learn how to diagnose, service and repair a wide range of air handling and refrigeration equipment. Students are also introduced to energy-saving technologies that can help the environment and a client's budget.

## COMPUTER AIDED DRAFTING 2

The architectural arm of Computer Aided Drafting is the blueprint to everything. Using industry standard 3D modeling software, designers create drafting and modeling projects that highlight front, side and aerial views. The mechanical component of CAD challenges students to think outside the box and encourages them to imagine, design and develop prototype components and products.

## ELECTRICAL TECHNOLOGY 1 2

Students in this program experience the rough in to finish stages of wiring a building as they design, install and test commercial, residential and industrial electrical control systems. Students master how to safely and efficiently install electrical fixtures according to blueprints and schematics. Students will also gain industry experience wiring houses with Stillwater Habitat for Humanity.

***"You have a lot of opportunity here. You can work independently, but you can also have support from your peers and your instructor."***

- Layla Harman, Stillwater | Carpentry

# POWER UP

## ENERGY AND POWER

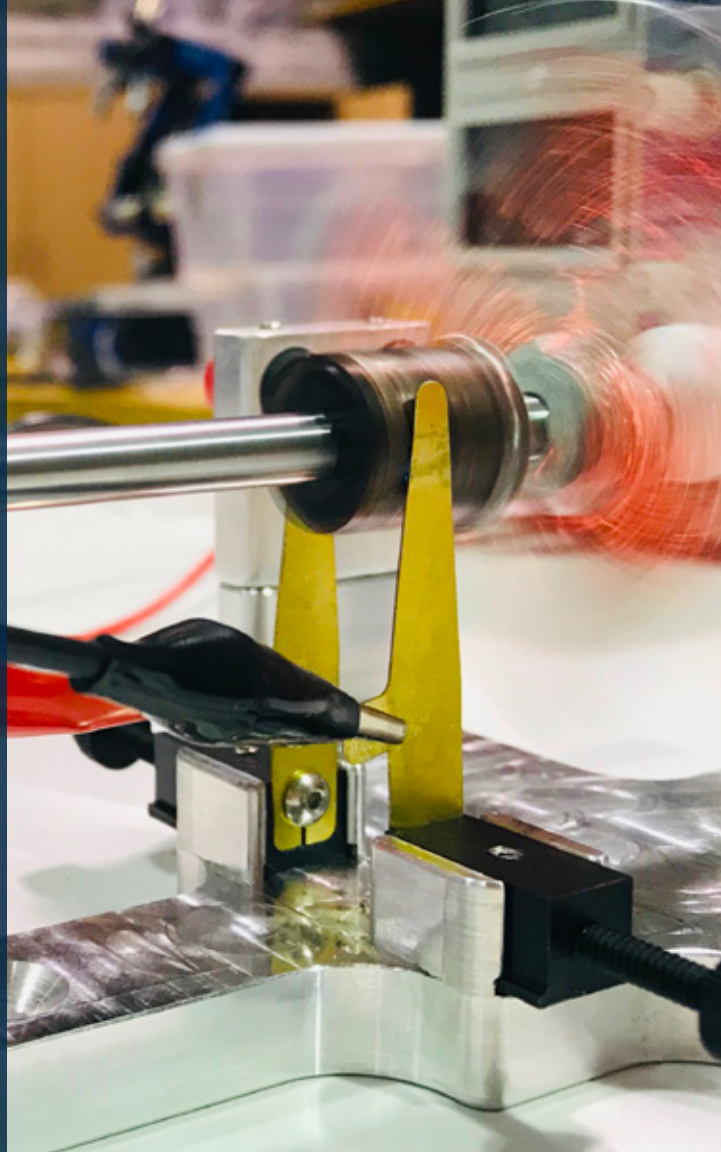
The demand for jobs in the energy sector continues to increase, and this program offers several powerful solutions.

### Industrial Technology

Students will learn skills in industrial electricity systems, fluid power systems, mechanical drive systems, and programmable logic controllers and process controls. Robotics and mechatronics, a subset of robotics that focuses on the design of automated machinery, are explored. Mechatronics is a diverse field that includes elements of electrical engineering, mechanical engineering and computer science. Program graduates will have the skills they need to move into manufacturing as well as careers in the production industry. This program is offered in the morning and afternoon.

### Power Production and Distribution

Whether you're interested in the interplay of how energy is generated, distributed and used, or if you want to focus on the technology that enhances operational effectiveness in the manufacturing industry, students will gain a solid foundation in electrical theory and hands-on lab experiences that connect concepts and currents. This program is only offered in the morning.



**Electrical Utility Lineworker**

If you're interested in keeping the power flowing, the electric utility lineworker pathway equips students with everything they need to know to install and repair electrical power systems. Graduates of this career training path will enter the power industry as a pre-apprentice lineworker, substation technician or equipment operator. This program is offered in the afternoon and due to licensure requirements is only open to high school seniors and adults.

***"The programs here set you up for going directly into the workforce, but they can also prepare you for what to expect in college."***

- Zachary Tyson, Stillwater | Energy and Power

# HELP OTHERS

## BIOMEDICAL SCIENCES - STEM ACADEMY 2 3

In this program you'll put your critical thinking skills to the test! Whether you're investigating a potential crime scene, offering medical advice to a fictitious family, monitoring muscle movement or evaluating cancer treatment options, this program brings science to life through human medicine, physiology, genetics, microbiology and public health. Students in this program will work collaboratively to understand the most pressing health challenges of today and the future. This program is open to sophomores. Students can earn college credit in the following courses:

- AP Biology
- AP Chemistry
- AP Calculus AB and BC
- AP Statistics
- Microbiology

Biomedical Sciences uses the college preparatory Project Lead the Way curriculum. PLTW focuses on developing problem-solving skills by immersing students in real-world preparatory-level academics and is designed to prepare students for post-secondary studies. This program is ideal for high school students interested in pursuing a pre-med college pathway.

# SCIENTIFICALLY SOUND

## PRE-ENGINEERING - STEM ACADEMY 2 3

If you're a problem solver, the Pre-Engineering program is where you need to be. This college prep program is comprised of rigorous academic courses in math and science that leverage technology to provide real-world tasks tied together using engineering disciplines. Using Project Lead The Way curriculum, students step into the role of an engineer, adopting a problem-solving mindset and making the leap from dreamers to doers. The program's courses engage students in science, technology, engineering, and mathematics (STEM) to help them become better collaborators and thinkers.

The Pre-Engineering program is open to sophomores. It is ideal for high school students interested in pursuing an engineering or mathematical sciences pathway in college as they explore chemical, civil, mechanical, aerospace, electrical and computer engineering.

Students can earn college credit in the following courses:

- AP Calculus AB and BC
- AP Computer Science Principles
- AP Chemistry
- AP Physics 1
- AP Statistics

# GEAR UP

## AUTOMOTIVE TECHNOLOGY 1 2

Interested in learning about automobiles from the inside out? The Automotive Technology program highlights the skills needed to successfully service and repair a wide range of vehicles. As soon as you step into this area's expansive lab space – a fully functioning service center – you'll quickly see how technology is key. Whether you focus on automotive maintenance and light repair or automotive service, you'll use the same advanced diagnostic equipment as ASE-certified technicians. Go ahead and put your career in drive!

## COLLISION REPAIR TECHNOLOGY 1 2

There's more to the automotive industry than what makes a motor run. The Collision Repair Technology program focuses on ensuring exceptional exteriors. From learning how to provide proper repair estimates to gaining the skills to get the job done, students in this program become familiar with the ins and outs of the repair industry. The skills taught in this program can be applied to automobiles, boats, motorcycles and power sports equipment.

***"I'm still in school but I've already got a job in the industry. Everything that I've learned in this program is exactly what I'm doing at work."***

- Parker Story, Stillwater | Automotive Technology

# TOUR TECH FROM H

Before you commit to adding Tech to your high school experience, you'll want to take a tour of our programs. Access 360 photos of each of our programs, hear from our instructors and learn what students have to say about their time at Tech.

**1**
HEAR FROM A STUDENT

**2**
HEAR FROM THE INSTRUCTOR

**3**
VIEW REAL CLASSROOM ACTIVITY

TOUR TECH FROM HOME

# MEDICALLY MINDED

## HEALTH CAREERS 1 2

If you want a career in the medical profession, the Health Careers program is the place to start. This program provides a foundation for students interested in pursuing a future in health care. Core classes include anatomy and physiology, medical terminology and medical math. Students focus on learning the basics of patient care and knowing how to use advanced medical and diagnostic equipment. In addition to working and learning alongside medical professionals in both classroom and lab settings, students in this program can also graduate career-ready with the skills needed to complete the Medical Assistant, Phlebotomy and Nurse Aide certifications.

Completing this program fulfills the pre-requisites for Meridian's Practical Nursing program. For the Radiologic Technology program, it fulfills two pre-requisites. The applicant will also need to hold an associate degree. Health Careers graduates may be eligible for special consideration for admission into these programs.

Students interested in a health-related field will be required to obtain and submit proof of vaccinations and a background check to fulfill the clinical portion of training.

## PHARMACY TECHNICIAN 1

Find your prescription for success in the Pharmacy Technician program. You'll develop an understanding of the names, appropriate uses and potential side effects of commonly prescribed medications. You'll study in a simulated pharmacy where you will learn how to manage, dispense and compound prescription medicines. The Pharmacy Technician program also uses PioneerRx pharmacy simulation software. This platform allows students to learn in a real-world environment and provides them with hands-on experience with the most frequently used software found in independent pharmacies. Due to industry requirements, this program is limited to high school seniors and adults.

Students interested in a health-related field may be required to obtain and submit proof of vaccinations and a background check to fulfill the clinical portion of training.

# CREATING FLAVOR

## CULINARY ARTS 1 2

Awaken your taste buds in the Culinary Arts program at Meridian. Students work with professionally trained chefs to learn food preparation and management techniques that can be applied in large or small restaurants and catering companies. Focusing on preparing entrées, salads, bakery items and quick service specialties, students assist in the operation of two on-campus dining facilities.

***"It's not a regular classroom. When you're here, you get hands-on experience in the career that you're interested in."***

- Skyler James, Perry | Culinary Arts

# PROTECT AND SERVE

## CRIMINAL JUSTICE 1 2

If you're looking for a career in law enforcement, Meridian's Criminal Justice program is the place to start. Students will learn and get hands-on training in criminal law, court proceedings, functions of the police, arrest procedures and security. Using critical thinking, students will analyze data in criminal investigations. Students will also learn and apply forensic investigative techniques to process crime scenes and collect evidence. In addition to participating in leadership development, students will develop tactical and interpersonal skills while gaining awareness of the day-to-day operations of public safety.

# BRINGING OUT BEAUTY

## COSMETOLOGY

From learning anatomy and physiology to understanding angles and chemical compounds, the Cosmetology program is equal part academics and creative expression. Following time in the classroom gaining foundational skills for hair, skin and nails, students get hands-on experience in Meridian's full-service salon. Upon completion of the program, students are prepared to take the Oklahoma State Board of Cosmetology licensing exam.

***"Why spend the rest of your life paying off student loans when you can come here for free? When I graduate, I will be career ready."***

- Maggie Hirzel, Guthrie | Cosmetology

# METAL WORKS

## PRECISION METAL FABRICATION

Bend it, but don't break it. That could be the unofficial motto of the Precision Metal Fabrication program at Tech. This program specializes in advanced welding processes that are used to join, cut, bend, drill, punch and manipulate a variety of metal types. Using elements of traditional welding and fabrication techniques, students design and lay out patterns, interpret blueprints and meticulously follow engineering specifications to complete projects.

*The completion of Meridian's Welding program is a pre-requisite for this program.*

## PRODUCT DEVELOPMENT AND MACHINING

Machining is on the rise across the state. The Product Development and Machining program drills down to the foundation of both manual and computer numeric controlled (CNC) machining. Using blueprints and custom schematics, students have the freedom to create, design and manufacture the tools and components for a wide variety of production needs. Students learn to work with a variety of materials – steel, aluminum, plastic and more. It's all in the details for this program.

## WELDING

Sparks are frequently flying in the Welding program at Meridian. On any given day, students are applying one of the numerous welding techniques to join, cut or manipulate metal. Whether you're interested in working for a big company or running your own rig, you'll learn a variety of welding techniques that will prepare you to handle jobs big and small. This career has been hot since we opened our doors!

MTC

# YOUR TIME AT TECH

## OUR PROGRAMS

Students who live in the Meridian district can attend either a morning or afternoon session during their junior and senior years. When space is available, sophomores can enroll for afternoon programs. Depending on their high school, students can earn 3 or 4 credits per year. Some of these credits count as electives, some count as academic credits. The Meridian STEM Academy, including pre-engineering and biomedical sciences, is open to sophomores, juniors and seniors. High school students living in the Meridian Technology Center district attend at no cost and should visit with their counselor about applying.

## CAREER COUNSELING

Meridian has a career counseling team that is dedicated to helping you succeed while you're making decisions about coming to Tech, while you're on campus and after you graduate.

In addition to recruitment and enrollment, the Career Planning Center is Meridian's hub for a variety of services:

- Career assessment and exploration
- College and career readiness
- Cooperative agreements for college credit after Tech
- CareerTech Student Organizations (CTSOs)

Services are available to prospective and current students. Career counselors are available from 7:30 a.m. to 5 p.m. and other times by appointment. Call 405.377.3333 to talk to a career counselor.

## ADMISSIONS

**Have you already decided that attending Tech is what you want to do? Here's how to get started!**

- Complete an application and any additional required documents for your chosen program.
- Get your parent or legal guardian's signature if you're under 18.
- Turn your application in to your high school counselor.

Proof of enrollment on school letterhead and proof of residence are required. This may be a water or electric bill that shows the physical address of the residence.

As part of the application process, you will interview with a member of Meridian's Career Counseling team. This is an opportunity for team members to learn more about you, your career goals, your academic background and other things you're involved in at your high school. Don't let the term *interview* scare you – this really is an opportunity for you to shine!

**The early application deadline is February 1.** Submissions are accepted through August for fall enrollment if space is available. Apply early for the best chance at getting placed in your preferred program. Programs fill up quickly.

Admissions decisions are made in March. Students will receive a letter letting them know if they have been accepted into a program.

# DON'T ATTEND A PUBLIC SCHOOL?

Home-school, private school and virtual school students who live in the Meridian district can attend Tech too! The admissions process is similar to students in Meridian's district high schools, but we'll need a little extra information from you:

- Proof of residence
  (water or electric bill to show local address)
- Proof of enrollment on virtual school letterhead
- Transcript
- PreACT or SAT assessments
- Attendance
- IEP/504
- Affidavit of home-schooling
- Proof of age
- Immunization record
- Letters of recommendation

Please mail or deliver your application and supporting materials to:
Meridian Technology Center | 1312 S. Sangre Road, Stillwater, OK 74074

Contact Teresa Klingsick, Career Development Specialist, at 405.377.3333 with any questions.

# ADULT STUDENTS

Adults can apply to any program with the exception of the Biomedical Sciences and Pre-Engineering STEM Academies. Applications are accepted each April for the fall semester and each November for the spring semester. The Evening Cosmetology, Health Informatics, Practical Nursing and Radiologic Technology Programs have admission deadlines that vary. To learn about the tuition and fees, financial aid and admission requirements visit meridiantech.edu/adults.

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