A blue graduation cap with a tassel is shown on a wooden surface. The cap is positioned diagonally, with the tassel hanging down. The tassel is made of blue and white threads. The background is a light-colored wooden surface.

Sandusky
HIGH SCHOOL

**CAREER TECH
PROGRAM GUIDE**

SANDUSKY HIGH SCHOOL

2130A Hayes Avenue

Sandusky, OH 44870

p: 419.984.1069

w: scs-k12.net

PROGRAMS FOR SUCCESS

The Evolution of Career Tech covers a broad range of careers, many of which are clearly aligned with postsecondary pathways. These pathways provide student access to postsecondary education.

Why Are We Unique: We Provide Both College and Career Options!

S - Skills

Programs teach real-life skills including: technical, academic and employability skills so students are prepared for their future upon graduation.

U - Unification

Programs unify academic classes with hands-on learning to provide the ultimate learning experience, often referred to as project-based learning.

C - College

Regardless of whether students are headed for college or the workforce, this type of education will help them prepare for the future. In fact, college-bound students can get job experiences to help them define their career plans, identify an appropriate course of study and help pay for tuition... ALL while taking college preparatory coursework.

C - Credentials and Certifications

The first step in achieving career aspirations-credentials and certifications are evidence of work ethic, drive and persistence that put students ahead of their peers on both college applications and resumes.

E - Earnings

According to the Ohio Department of Education, eight years after their expected graduation date, students who focused on Programs for Success while in high school had higher median annual earnings than students who did not focus on these Programs.

S - Significant

Programs for Success are significant or relevant to the job market, in sync with global economic forecasts and contribute to our economy. It is vital for graduates to obtain the preparation that will lead them to employment in those economic sectors with researched, valid, predicted growth. [1]

S - Student Organizations

A prominent component of Programs for Success-student organizations, such as Skills USA and Business Professionals of America, play an important part in preparing young people to become productive citizens and to assume roles of leadership in their communities. These organizations provide a unique program of career and leadership development, motivation, and recognition for high school students. [2]

[1] Psychology today, Jamillah Moore, March 4, 2015

[2] Skills USA Colorado



PROGRAMS

- Welding
- Theatre
- Manufacturing
- Health Careers
- Hair Design
- Graphic Design
- Engineering
- Dance
- Construction
- Computer Science
- Aviation
- Automotive Repair
- Business
- Electives

CONTACT US

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AUTOMOTIVE REPAIR

INDUSTRY RECOGNIZED CREDENTIALS:

- Automotive Service Excellence Automotive Maintenance & Light Repair (3 points)
- Automotive Service Excellence Automotive Engine Performance (3 points)
- Automotive Service Excellence Automotive Suspension & Steering (3 points)
- Automotive Service Excellence Automotive Brakes (3 points)
- CPR First Aid (1 point)
- OSHA 10 Hour (1 point)

Do you love cars? A love of cars can be a huge reason behind having an enjoyable career within the automotive industry. However, there are many great reasons to work in the automotive industry. The auto industry is very diverse and has a career for everyone. Maybe you're a person who likes to work with your hands and solve problems. A career in auto service and repair offers variety in day-to-day work, along with the sense of a job well done when returning a repaired vehicle to its owner. Maybe you're looking for more opportunity to work with people, thanks to great communication skills and a knack for customer service. Your personality fits a career as a service advisor, estimator, manager or parts professional. There is PLENTY of room to grow in this profession as learning the basics of car repair and additional education could lead you to become an automotive engineer - designing, developing, and manufacturing motorcycles, automobiles, and trucks!

.....

Program Highlights:

- Students not only learn about braking systems, engine performance, suspension, tires, air-conditioning, cooling systems and drive trains, but also how to manage and repair these systems.
- Students operate a REAL, on-site automotive repair shop.
- Students are members of SkillsUSA, a national student youth group/organization. SkillsUSA allows students to participate in competitive events, fund-raisers, community service projects and social chapter activities.
- Students have the opportunity to intern during their senior year in a (potentially paid) automotive-related profession by participating in the Global Internship Experience.

The Program Focuses on the Following State Approved Courses:

- Ground Transportation Maintenance
- Ground Transportation Engine and PowerTrain
- Automotive Braking Suspension & Steering Systems
- Automotive Engine Performance

Cost Free College Credit Opportunities:

Students are eligible to receive articulated academic credit for the following Terra State Community College courses:

- AAD110 Auto Electricity (4 credit hours)
- AAD1120 Auto Engines (4 credit hours)
- AAD1150 Introduction to Auto (3 credit hours)
- AAD1400 Suspension (3 credit hours)
- AAD1500 Braking Systems (3 credit hours)
- Automotive PowerTrain I (3 credit hours)
- Automotive PowerTrain II (4 credit hours)
- AAD2640 Fuel & Emissions Systems (3 credit hours)
- MFG1020 Safety (1 credit hour)

OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
PARTS SALESPERSON	\$19,760	\$29,690	\$52,060	High School Diploma or Equivalent	1,320
AUTO BODY & RELATED REPAIRS*	\$23,350	\$38,610	\$66,650	High School Diploma or Equivalent	640
BUS & TRUCK MECHANICS & DIESEL ENGINE SPECIALISTS*	\$31,900	\$46,750	\$64,490	High School Diploma or Equivalent	1,180
SALES REPS, WHOLESALE, & MANUFACTURING*	\$31,100	\$58,140	\$123,020	High School Diploma or Equivalent	5,120
AUTOMOTIVE ENGINEERS	\$53,060	\$79,520	\$120,230	Bachelor's Degree	1,170
SALES MANAGERS*	\$60,030	\$124,170	\$187,200	Bachelor's Degree	1,070

JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF DECEMBER 2020; VISIT OHIO MEANS JOBS FOR MORE INFORMATION
 *DENOTES IN-DEMAND JOB

For more information about our Automotive Repair Program, contact:
Mrs. Brandy Bennett
bbennett@scs-k12.net
419.984.1086



WELDING

INDUSTRY RECOGNIZED CREDENTIALS:

- AWS Welding (12 points)
- OSHA 10 Hour (1 point)
- CPR First Aid (1 point)

If you are looking for a career that is easy to enter, that has huge demand, has great potential to advance, pays well and provides a great opportunity to start your own business... welding may be for you! The welding industry is so diverse. There are many different metals you can learn to weld, and the types of projects seem to be endless. Welding careers include, but are not limited to welders, sheet metal workers, pipefitters and steamfitters, supervisors, engineers and industrial production managers.

.....

Program Highlights:

- Students learn how to read blueprints.
 - Students use advanced welding techniques and fabrication equipment to design, engineer and assemble metal components.
 - Students design and fabricate products for use by Sandusky City Schools and the community.
 - Students are members of SkillsUSA, a national student youth group/organization. SkillsUSA allows students to participate in competitive events, fund-raisers, community service projects and social chapter activities.
 - Students have the opportunity to intern during their senior year in a welding-related profession (potentially paid) by participating in the Global Internship Experience.
-

The Program Focuses on the Following State Approved Courses:

- Gas Metal Arc Welding
- Gas Tungsten Arc Welding
- Shielded Metal Arc Welding
- Flux Cored Arc Welding

Cost Free College Credit Opportunities:

Boilermaker Youth Apprenticeship - in partnership with Sandusky High School and Lorain County Community College, students in the Welding Program are provided an opportunity to get a jump start on the academic, technical and employment skills needed to bridge into the International Brotherhood of Boilermakers Apprenticeship Program. Upon high school graduation, students acquire both articulated college credit and CCP credit with LCCC and preferred admissions standing in the Boilermakers Apprenticeship Program.

Students are eligible to receive articulated academic credit for the following Terra State Community College courses:

- WET1010 Welding Processes Survey (3 credit hours)
- WET1145 SMAW Theory and Lab (3 credit hours)
- WET 2435 GMAW/GTAW Welding Theory (2 credit hours)
- WET2445 GMAW Welding Lab (2 credit hours)
- WET2455 GTAW Welding Lab (2 credit hours)
- MFG1020 Safety (1 credit hour)
- QCT1020 Blueprint Reading (2 credit hours)

OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Welding, Soldering & Brazing Machine Setters, Operators, & Tenders*	\$28,240	\$38,600	\$55,150	High School Diploma or Equivalent	290
Welders, Cutters, & Welder Fitters	\$28,840	\$39,930	\$58,420	High School Diploma or Equivalent	1,970
Pipefitters & Steamfitters	\$31,690	\$55,280	\$82,140	High School Diploma or Equivalent	2,020
Structural Iron & Steelworkers	\$39,800	\$60,280	\$78,910	High School Diploma or Equivalent	380
Boilermakers	\$45,650	\$74,750	\$148,450	High School Diploma or Equivalent	60
Manufacturing Engineer*	\$51,610	\$90,780	\$148,450	Bachelor's Degree	530
Industrial Production Manager	\$62,540	\$101,950	\$170,490	Bachelor's Degree	740

JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF DECEMBER 2020; VISIT OHIO MEANS JOBS FOR MORE INFORMATION
*DENOTES IN-DEMAND JOB

**For more information about our
Welding Program, contact:
Mrs. Brandy Bennett
bbennett@scs-k12.net
419.984.1086**





HEALTH CAREERS

INDUSTRY RECOGNIZED CREDENTIALS:

- AMCA Medical Assistant (12 points)
- CPR First Aid (1 point)

Do you enjoy helping others and making a difference? People respect health care professionals because they devote their lives to serving others. Students in the Health Careers program learn the basic skills necessary to become a Clinical Medical Assistant. Beyond the world of medical assisting, this course will prepare you for entry into post-secondary education degree programs in nursing, physical therapy, occupational therapy, respiratory therapy, speech therapy, physician's assistant, pre-med, and many more! Imagine walking out of high school with a medical assistant certification and college credit to further your healthcare education!

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Program Highlights:

- Students receive CPR and automated external defibrillator training.
 - Students learn how to measure blood pressures, pulse, respirations, temperature, and pulse oximetry.
 - Students perform actual patient assessments.
 - Students learn medical terminology (a prerequisite for many healthcare professions).
 - Students practice phlebotomy (blood draws)
 - Students are members of SkillsUSA, a national student youth group/organization.
 - Students have the opportunity to intern during their senior year in a healthcare-related profession by participating in the Global Internship Experience.
-

The Program Focuses on the Following State Approved Courses:

- Principals of Allied Health
- Medical Terminology
- Human Anatomy & Physiology
- Patient-Centered Care

Cost Free College Credit Opportunities:

Career Technical Assurance Guides (CTAGS) allow students, who demonstrate proficiency in career tech courses in approved secondary programs, to receive college credit at any Ohio public university.

- CTMT001 -Medical Terminology (3 credit hours)

Transcribed Credit with Sandusky Career Center's LPN Program

- Medical Terminology (2 Credit Hours)

OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Medical Assistant*	\$24,750	\$33,000	\$41,430	Postsecondary non-degree award	3,150
Licensed Practical Nurse*	\$34,590	\$44,960	\$57,610	Postsecondary non-degree award	3,330
Registered Practical Nurse*	\$52,260	\$65,790	\$90,090	Bachelor's Degree	8,850
Nurse Practitioner*	\$80,780	\$103,480	\$133,680	Master's Degree	570
Physical Therapists*	\$62,360	\$87,760	\$119,600	Doctoral or Professional Degree	530
Nurse Anesthetist*	\$126,610	\$168,070	\$208,000	Master's Degree	150

JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF DECEMBER 2020; VISIT OHIO MEANS JOBS FOR MORE INFORMATION

***DENOTES IN-DEMAND JOB**

For more information about our Health Careers Program, contact:

**Mrs. Brandy Bennett
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419.984.1086**





THEATER

Stage, Lights, Action! Do you enjoy the elements that make up a theatrical performance? Perhaps you dream of acting on Broadway, television or even in movies! A career in theater includes not only acting, but also a number of components of production including directing, writing, producing, costuming, makeup, lighting, set and stage design and prop creation.

.....

Program Highlights:

- Students learn the various career paths within the theater industry.
- Students study methods of acting, vocal and movement technique, Shakespearean Meter and set direction .
- Students learn the art of set and lighting design, as well as makeup, hair and costume design.
- Students showcase their talents in creations for Sandusky City Schools and community organizations .
- Students are members of SkillsUSA, a national student youth group/organization.
- Students create resumes and audition for regional and college theatrical productions.
- Students have the opportunity to intern during their senior year in a theater-related profession by participating in the Global Internship Experience.

.....

The Program Focuses on the Following State Approved Courses:

- Acting & Script Analysis
- Acting Performance
- Stagecraft
- Video Production

Cost Free College Credit Opportunities:

Career Technical Assurance Guides (CTAGS) allow students, who demonstrate proficiency in career tech courses in approved secondary programs, to receive college credit at any Ohio public university.

- CTPA7001 -Stagecraft (3 credit hours)
- CTMDA003-Intro to Single Cam Video Production (3 credit hours)

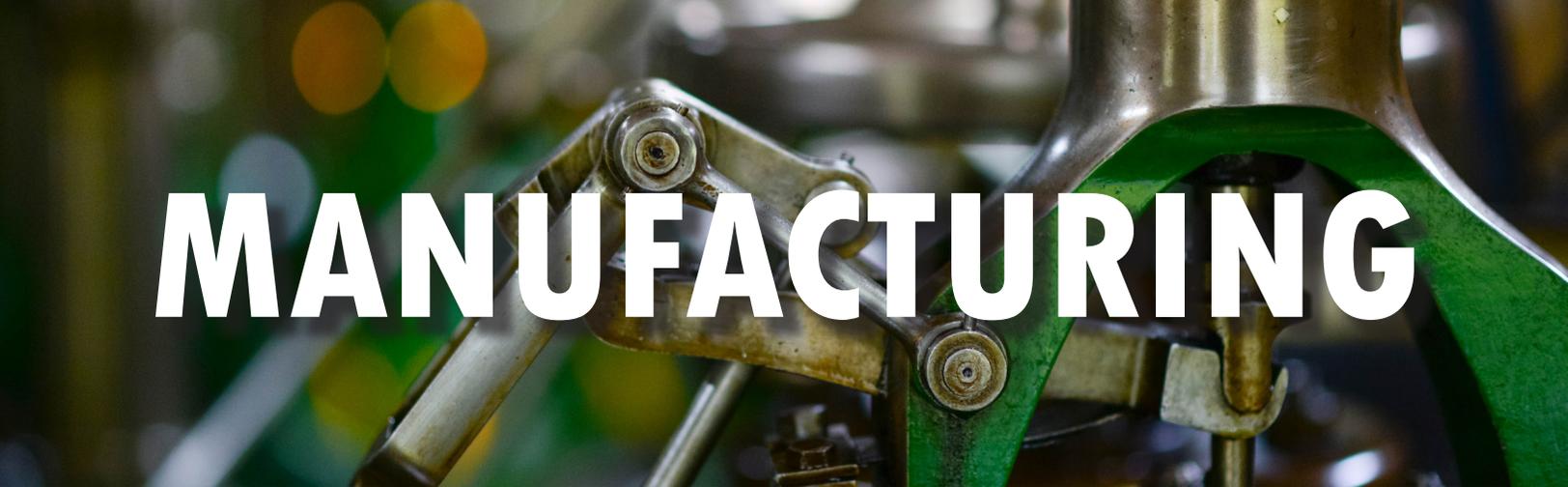
OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Actor	\$9,24 per hour	\$13,90 per hour	\$25,53 per hour	Some college, no degree	110
Audio & Video Technician*	\$23,390	\$40,360	\$70,060	Postsecondary non-degree award	140
Set & Exhibit Designers	\$28,890	\$48,070	\$79,080	Bachelor's Degree	50
Producers & Directors	\$35,480	\$52,200	\$90,440	Bachelor's Degree	210
Poets, Lyricists & Creative Writers	\$29,160	\$50,790	\$80,560	Bachelor's Degree	370

**JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF DECEMBER 2020; VISIT OHIO MEANS JOBS FOR MORE INFORMATION
*DENOTES IN-DEMAND JOB**

**For more information about our Theater Program, contact:
Mrs. Brandy Bennett
bbennett@scs-k12.net
419.984.1086**





MANUFACTURING

INDUSTRY RECOGNIZED CREDENTIALS:

- OSHA - Occupational Safety & Health Administration (12 points)
- NIMS - National Institute for Metalworking Standards (1 point)

Would you like to be able to take a block of steel and mill it into a shiny, useful automobile, aircraft or spacecraft part or make a BattleBot and take it into competition? While many people still picture dirty, dusty factories when they think of manufacturing, the reality couldn't be further from the truth. Manufacturing is actually on the cutting edge of today's newest technologies and innovations, with a huge range of job opportunities and types of workspaces available. In school, the hard work involved in writing exams and college essays results in grades and certificates. However, in the manufacturing industry, you create tangible products like food, drugs, equipment. These products are items used often by you and other people. Knowing that what is produced will help people may be the motivating factor you need to believe your life has a purpose. Manufacturing is essentially creation and can take you as far as your imagination allows!

.....

Program Highlights:

- Students learn the fundamental principles and practices of cutting, drilling and grinding using modern machine tools, hand tools and precision measuring instruments.
 - Students produce products on a Computer/Numerical Controlled (CNC) mill.
 - Students learn about robotics and automation.
 - Students are members of SkillsUSA, a national student youth group/organization. SkillsUSA allows students to participate in competitive events, fund-raisers, community service projects and social chapter activities.
 - Students have the opportunity to intern during their senior year in a (potentially paid) manufacturing-related profession by participating in the Global Internship Experience.
-

The Program Focuses on the Following State Approved Courses:

- Manufacturing Operations
- Machine Tools
- Computer Integrated Manufacturing
- Computer Numerical Control Technology with Industrial Mills & Lathes

Cost Free College Credit Opportunities:

Career Technical Assurance Guides (CTAGS) allow students, who demonstrate proficiency in career tech courses in approved secondary programs, to receive college credit at any Ohio public university.

- CTMET004-Manufacturing Operations
- CTMET005-CADD
- CTEMET006-CNC Programming/
Machining

OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Inspectors, Testers, Sorters, Samplers, & Weighers*	\$25,710	\$39,450	\$64,750	High School Diploma or Equivalent	3,010
Machinists*	\$27,810	\$42,550	\$64,360	High School Diploma or Equivalent	2,860
Tool & Die Makers*	\$31,690	\$55,280	\$82,140	Postsecondary non-degree award	2,020
Mechanical Drafters	\$32,920	\$50,450	\$74,400	Associate Degree	230
Industrial Engineer*	\$55,610	\$80,630	\$121,120	Bachelor's Degree	1,100
Mechanical Engineer*	\$53,060	\$79,520	\$120,230	Bachelor's Degree	1,170

JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF DECEMBER 2020;
VISIT OHIO MEANS JOBS FOR MORE INFORMATION
*DENOTES IN-DEMAND JOB

For more information about our
Manufacturing Program, contact:

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HAIR DESIGN

INDUSTRY RECOGNIZED CREDENTIALS:

- State Board of Cosmetology License (12 points)

Do you have an interest in styling and cutting hair? Hair stylists work in a variety of settings, including salons, spas, fashion shoots, and production sets for film, television, and theater. Within salons, hair stylists may rent their own station and manage their clients independently or work for a salon on commission. Typical responsibilities include washing, cutting, and styling hair, as well providing advice about hair products. In a performing arts setting, hair stylists work closely with make up artists and costume designers to complete the look of actors and actresses in the production. Some actors and actresses may have a personal hair stylist who will manage their hair and hair pieces throughout the production.

Program Highlights:

- Students learn to cut, color, and style hair.
 - Students operate a REAL, on-site hair design studio.
 - Students are members of SkillsUSA, a national student youth group/organization. SkillsUSA allows students to participate in competitive events, fund-raisers, community service projects and social chapter activities.
 - Students have the opportunity to intern during their senior year in a hair design-related profession by participating in the Global Internship Experience.
-

The Program Focuses on the Following State Approved Courses:

- Microbiology & Infection Control
- Fundamentals of Haircutting & Styling
- Trichology
- Fundamentals of Chemical Sciences

Cost Free College Credit Opportunities:

- Articulated 20 hours college credit with Terra State Community College towards the Cosmetology Management program.

For more information about our Hair Design Program, contact:
Mrs. Brandy Bennett
bbennett@scs-k12.net
419.984.1086

OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Hairdressers, Hairstylists, & Cosmetologists	\$18,510	\$22,250	\$42,190	Postsecondary non-degree award	4,070
Barbers	\$21,890	\$36,930	\$56,570	Postsecondary non-degree award	Not available
Makeup Artists (Theatrical & Performance)	\$15,399**	\$40,726**	\$92,397**	Postsecondary non-degree award	Not available
Skincare Specialists	\$19,710	\$34,180	\$70,020	Postsecondary non-degree award	260
Manicurist & Pedicurist	\$18,340	\$22,360	\$38,810	Postsecondary non-degree award	330

JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF DECEMBER 2020;
VISIT OHIO MEANS JOBS FOR MORE INFORMATION

*DENOTES IN-DEMAND JOB

**Information taken from ZipRecruiter (not available on Ohio Means Jobs)



GRAPHIC DESIGN

INDUSTRY RECOGNIZED CREDENTIALS:

- Adobe Certified Expert Photoshop (4 points)
- Adobe Certified Expert Photoshop CC (4 points)
- Adobe Certified Expert Illustrator (4 points)
- Adobe Certified Expert InDesign CS5 (4 points)

Can you see yourself creating logos like the Nike swoosh, McDonald's golden arches, or Microsoft's apple? Creating packaging labels for Monster Energy Drinks? Or creating an entire brand for a company like Starbucks? A career in graphic design can be an exciting way to combine art, technology and communication. Graphic designers use two or three-dimensional art to create visual concepts. They design logos and layout designs for print and electronic media including websites, magazines, brochures, user interfaces, product labels, reports and advertisements. They work with other professionals to incorporate typesetting, illustration, photography, and even programming, to ensure products display as intended. Great graphic designers understand how to communicate brands visually and effectively.

Program Highlights:

- Students use traditional artist supplies and tools as well as software used in the field including: Adobe Creative Software Photoshop, Illustrator, and InDesign.
- Students enter regional design competitions.
- Students showcase their talents in creations for Sandusky City Schools and Community Service Projects.
- Students create a master portfolio of their work to promote for employment, post-secondary education and potential scholarships.
- Students are members of SkillsUSA, a national student youth group/organization.
- Students have the opportunity to intern during their senior year in a graphic design-related profession by participating in the Global Internship Experience.

The Program Focuses on the Following State Approved Courses:

- Visual Design
- Visual Creation
- Digital Print Design
- Advertising & Communications

Cost Free College Credit Opportunities:

Career Technical Assurance Guides (CTAGS) allow students, who demonstrate proficiency in career tech courses in approved secondary programs, to receive college credit at any Ohio public university.

- CTVDI001 - Design and Typography Fundamentals (3 Credit Hours)
- CTVDI002- Fundamentals of Advertising and Communications (3 Credit Hours)

For more information about our Graphic Design Program, contact:

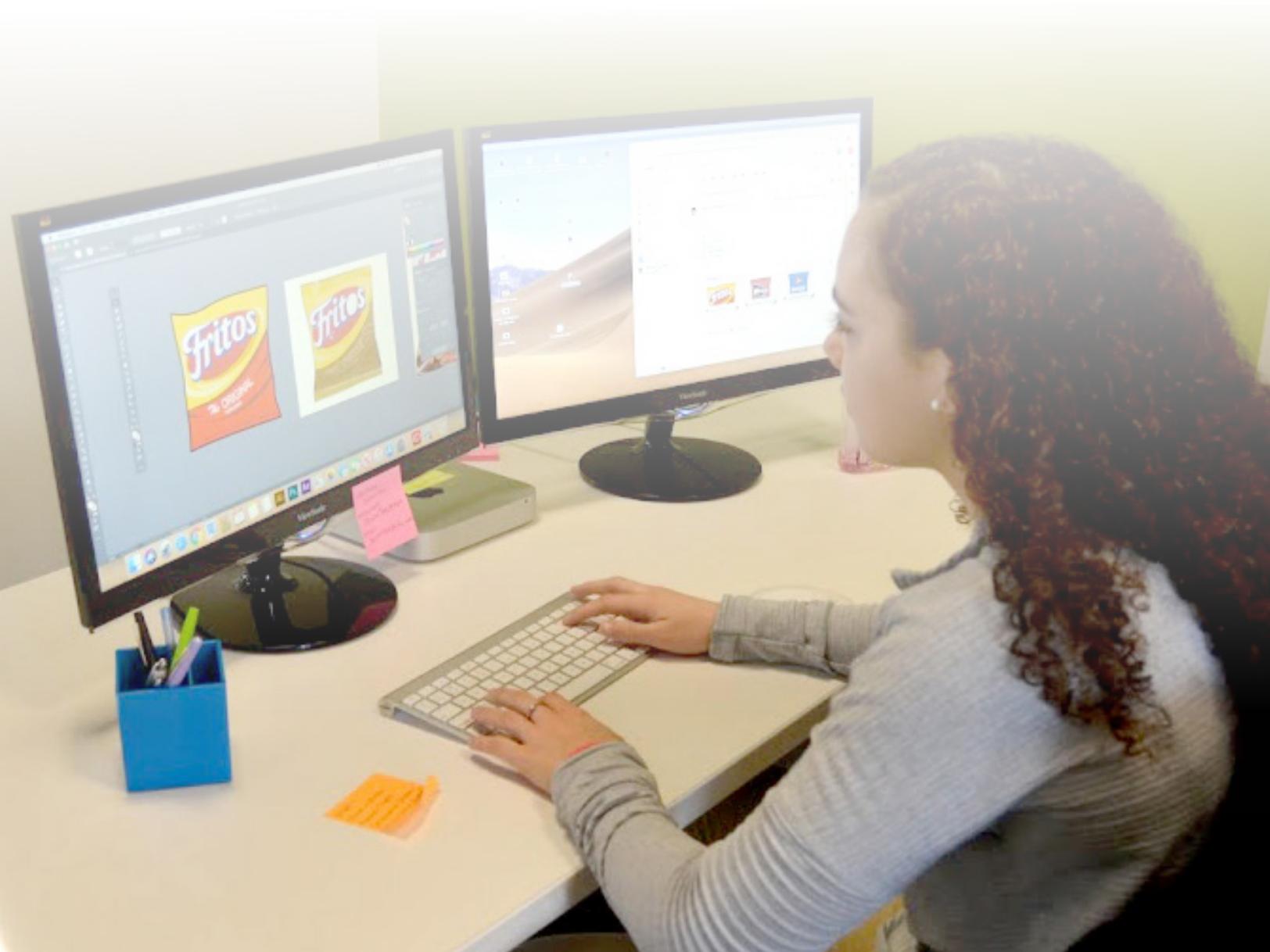
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OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Graphic Designer*	\$31,710	\$48,370	\$74,490	Bachelor's Degree	840
RELATED JOBS					
Prepress Technicians & Workers	\$27,830	\$41,210	\$58,320	Postsecondary non-degree award	140
Web Developers*	\$35,480	\$68,780	\$106,120	Associate's Degree	290
Commercial & Industrial Designers	\$40,320	\$63,960	\$110,620	Bachelor's Degree	150
Art Director	\$48,820	\$79,990	\$135,900	Bachelor's Degree	250

JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF DECEMBER 2020; VISIT OHIO MEANS JOBS FOR MORE INFORMATION

***DENOTES IN-DEMAND JOB**





ENGINEERING

INDUSTRY RECOGNIZED CREDENTIALS:

- Auto Desk User (4 points)
- Auto Desk Inventor User (4 points)

Are you the next Elon Musk? Do you have an interest in how things work? Do you enjoy devising mechanical or technological systems, or want to play a part in developing the physical devices and structures that people interact with on a daily basis? Engineering might be right for you. Engineering concerns the research, design, and use of machines, engines, and structures. Engineering impacts every part of modern life. Engineering is responsible for your car, your smart phone, and the roads you drive. An education in engineering can start you on the path to a career designing highway systems, developing communities, building innovative medical technology, working in research and development to create new mechanical tools, even working as an entrepreneur.

.....

Program Highlights:

- Students visualize and construct 3D models and prototypes for architectural and mechanical designs.
 - Students find creative solutions to complex engineering and architectural challenges.
 - Students use the same advanced software and modern equipment as professional engineers and architects.
 - Students showcase their talents in creations for Sandusky City Schools and Community Service Projects.
 - Students are members of SkillsUSA, a national student youth group/organization.
 - Students have the opportunity to intern during their senior year in an engineering-related profession by participating in the Global Internship Experience.
-

The Program Focuses on the Following State Approved Courses:

- Engineering Design
- Plan Reading
- Architecture Design (Site)
- Architecture Design (Structural)

Cost Free College Credit Opportunities:

Career Technical Assurance Guides (CTAGS) allow students, who demonstrate proficiency in career tech courses in approved secondary programs, to receive college credit at any Ohio public university.

- CTEGT002 - Engineering Graphics
- CTCON001 - Plan Reading

College Credit Plus offered through Firelands BGSU

- ENGT 1020 Into to Engineering & Design (3 credit hours)
- ENGT 1100 Basic Computer Aided Design (3 credit hours)
- ENGT 2100 Solid Modeling (3 credit hours)

OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Civil Engineering Technicians	\$35,830	\$58,930	\$80,730	Associate's Degree	190
Interior Designer	\$24,590	\$54,210	\$94,450	Bachelor's Degree	230
Architectural & Engineering Managers*	\$90,750	\$130,040	\$193,420	Bachelor's Degree	150
Civil Engineer*	\$53,360	\$79,460	\$122,580	Bachelor's Degree	250
Industrial Engineer*	\$55,610	\$80,630	\$121,120	Bachelor's Degree	1,100
Mechanical Engineer*	\$53,060	\$79,520	\$120,230	Bachelor's Degree	1,170

JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF DECEMBER 2020;
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*DENOTES IN-DEMAND JOB

For more information about our
Engineering Program, contact:
Mrs. Brandy Bennett
bbennett@scs-k12.net
419.984.1086





From ballet and breakdancing, to tango and tap, the world is literally at your feet when it comes to careers in dance. However, it's not just about busting some moves, cutting some shapes or delicately performing an arabesque. If you wish to pursue a career such as a dancer, choreographer, dance critic, dance company director, talent agent or one of several others, an education in dance will help you explore your passions and allow you to gain many unique skills that are valued in the workplace.

Program Highlights:

- Students learn the business side of visual, media and performing arts.
 - Students develop physical stamina and fitness, musicality, expression and sequence retention while learning terminology for dance movement and for the industry.
 - Students critique choreographed works from multiple dance genres. Using this knowledge and research as well as understanding specific characteristics and movements of dance, they compose sequences into their own designs.
 - Students assume the roles of singer, instrumentalist, actor and dancer as well as director, stage manager, set designer and/or costume technician.
 - Senior students participate in the Great Lakes Visual and Performing Arts Course. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships. Students create a master portfolio of their work to promote for employment, post-secondary education and potential scholarships.
 - Students are members of SkillsUSA, a national student youth group/organization.
-

The Program Focuses on the Following State Approved Courses:

- Dance
- Business of Arts & Communications
- Choreography
- Musical Theater

Cost Free College Credit Opportunities:

Career Technical Assurance Guides (CTAGS) allow students, who demonstrate proficiency in career tech courses in approved secondary programs, to receive college credit at any Ohio public university.

- CTPAT002-Dance Performance Practicum (3 credit hours)

For more information about our Dance Program, contact:

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OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Dancer	\$25,064	\$29,800	\$57,158	No formal educational credential/Long-term on-the-job training	60
RELATED JOBS					
Choreographer	\$29,560	\$41,370	\$59,320	High school diploma or equivalent/Long-term on-the-job training	10
Dance Instructor (Self-Enrichment Education Teachers)*	\$18,960	\$32,530	\$63,360	High school diploma or equivalent/Long-term on-the-job training	1,380
Dance Company Director (Producers/Directors)	\$35,480	\$52,200	\$90,440	Bachelor's Degree	210

**JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF DECEMBER 2020;
 VISIT OHIO MEANS JOBS FOR MORE INFORMATION**

***DENOTES IN-DEMAND JOB**





CONSTRUCTION TECHNOLOGY

INDUSTRY RECOGNIZED CREDENTIALS:

- Career Connections Level 1 (4 points)
- Career Connections Level 2 (4 points)
- Career Connections Level 3 (4 points)
- OSHA 10 Hour (1 point)
- CPR First Aid (1 point)

Do you enjoy working with your hands, creating something that will stand the test of time? Do you get satisfaction out of helping your community and leaving a legacy? There's a certain sense of pride that all construction workers get after their work is done. Once a structure is built, whether it be a building, a house, a bridge or a dam, there's always that great sense of accomplishment construction workers get that can rarely be felt in any other profession. The beauty of a career in construction is that your career aspirations can be sky high; the only limit to what you are able to achieve falls upon you! Whether you want to be in a managerial role or run your own company eventually, the opportunities are within your reach if you are willing to work hard to get there! Some of the highest earning professionals in the big construction companies started from the bottom and with sheer hard work have progressed to the top of the career ladder!

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Program Highlights:

- Students learn proper use of hand tools and power tools, engage in blueprint reading, and construct floor systems.
 - Students perform wall and ceiling framing, windows, and exterior doors.
 - Students take the skills learned in the classroom to perform hands-on customer service project's in the community and see their creations come to life.
 - Students enter state and regional competitions.
 - Students are members of SkillsUSA, a national student youth group/organization.
 - Students have the opportunity to intern during their senior year (potentially, a paid internship) in a construction-related profession by participating in the Global Internship Experience.
-

The Program Focuses on the Following State Approved Courses:

- Construction Technology Core & Sustainable Construction
- Mechanical, Electrical, & Plumbing Systems
- Carpentry & Masonry Technical Skills
- Structural Systems

Cost Free College Credit Opportunities:

Career Technical Assurance Guides (CTAGS) allow students, who demonstrate proficiency in career tech courses in approved secondary programs, to receive college credit at any Ohio public university.

- CTON003-Carpentry and Masonry Technical Skills

Articulation Agreements

- Pre-Apprenticeship Program with Toledo Electrical Joint Apprenticeship and Training Committee beginning senior year (students are granted advanced standing into the apprenticeship)

OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Construction Laborers*	\$26,990	\$41,690	\$72,910	No formal educational credential	5,110
Brickmasons & Blockmasons*	\$35,570	\$55,180	\$77,740	High school diploma or equivalent	400
Construction & Building Inspectors	\$38,670	\$60,260	\$82,840	High school diploma or equivalent	330
Electricians*	\$30,480	\$52,880	\$78,720	High school diploma or equivalent/ Apprenticeship	2,990
Construction Managers*	\$69,425	\$96,425	\$123,620	Bachelor's Degree	1,200

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**For more information about our
Construction Technology Program,
contact: Mrs. Brandy Bennett
bbennett@scs-k12.net
419.984.1086**



**NEW FOR
2021-2022**

COMPUTER PROGRAMMING

INDUSTRY RECOGNIZED CREDENTIALS:

- HTML
- CSS3
- PHP
- SQL
- JavaScript
- Python

Is building video games a career that interests you? Are HTML, JavaScript, PHP, Python and CSS the languages you want to speak? Interested in creating websites or being the frontline warrior in the battle against cyber criminals? Do you see yourself programming robots? Computing and computer technology are part of just about everything that touches our lives from the cars we drive, to the movies we watch, to the ways businesses and governments deal with us. Computer Scientists invent and build solutions. A Computer Scientist is an artist whose canvas may be a smartphone or PC display and whose paints and brushes are programming languages and development environments. Careers in computer science are limitless. Can't imagine a world without Instagram, Snapchat, Facebook, or Twitter? All were created by two to four individuals — some as college students — on the software platform provided by the web. Perhaps you may be the next innovator!

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Program Highlights:

- Students learn about computer trouble-shooting skills, security breaches, hardware and mastery of computer interfaces.
 - Students build computer applications and databases to be used by SHS staff, students and the community.
 - Students create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.
 - Students have the opportunity to be mentored by a member of the Hyland Software Company
 - Students are members of SkillsUSA, a national student youth group/organization SkillsUSA allows students to participate in competitive events, fund-raisers, community service projects and social chapter activities.
 - Students have the opportunity to intern during their senior year in a computer science-related profession by participating in the Global Internship Experience.
-

The Program Focuses on the Following State Approved Courses:

- Information Technology
- Web Design
- Programming
- Database Applications Development

Cost Free College Credit Opportunities:

Career Technical Assurance Guides (CTAGS) allow students, who demonstrate proficiency in career tech courses in approved secondary programs, to receive college credit at any Ohio public university.

- CTPROG001-Computer Logic (3 credit hours)
- CTIM004-Internet and Web Language (3 credit hours)

For more information about our Computer Science Program, contact: Mrs. Brandy Bennett
bbennett@scs-k12.net
419.984.1086

OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Computer User Support Specialist*	\$30,750	\$48,150	\$77,690	Postsecondary non-degree award	1,440
Website Developer*	\$35,480	\$68,780	\$106,120	Associate's Degree	290
Computer Systems Engineer*	\$37,430	\$80,130	\$124,320	Bachelor's Degree	490
Computer Programmer	\$44,860	\$77,010	\$121,340	Bachelor's Degree	240
Database Administrator*	\$51,890	\$89,260	\$128,790	Bachelor's Degree	310
Software Developer, Applications*	\$55,640	\$92,110	\$139,300	Bachelor's Degree	3,000
Computer Information Systems Manager*	\$82,290	\$128,230	\$199,220	Bachelor's Degree	1,060

JOB OUTLOOK COMPILED BY OHIO MEANS JOBS AS OF DECEMBER 2020;
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 *DENOTES IN-DEMAND JOB





BUSINESS & ADMINISTRATIVE SERVICES

INDUSTRY RECOGNIZED CREDENTIALS:

- Entrepreneurship & Small Business (3 points)
- Rise Up Customer Service & Sales (6 points)
- Rise Up Retail Industry Fundamentals (6 points)
- MOS - Word '16 (3 points)
- MOS - Excel '16 (3 points)
- MOS - Powerpoint (3 points)

Henry Ford, Walt Disney, Sam Walton (Wal-Mart Founder) and Bill Gates have one thing in common (besides a lot of money). They all had the business skills necessary to become successful. Can you see yourself owning your own business? Do you enjoy managing a project and helping it thrive? Do you have a love for money and trying to increase earnings? A business education is the key to a number of careers including: accountants, human resource managers, administrators, attorneys, marketing managers, government officials and entrepreneurs. Why? Every organization, regardless of industry, relies on business principles to prosper. Individuals who have a solid business education are not only poised to start their own business, they also have the practical skills needed to excel in a variety of positions in the industry of their choice.

Program Highlights:

- Students obtain knowledge and skills in general management, human resources management, operations managements, business informatics and office management.
- Students utilize technology to create job applications and job descriptions.
- Students obtain fundamental knowledge in accounting, banking services, corporate finance and investments.
- Students monitor trends in the business environment to determine the impact on sales, customers and competitors.
- Students enter state and regional competitions.
- Students are members of Business Professionals of America.
- Students have the opportunity to intern during their senior year in a business-related profession by participating in the Global Internship Experience.

The Program Focuses on the Following State Approved Courses:

- Fundamentals of Business & Administrative Services
- Human Resource Management
- Finance Foundations
- Entrepreneurship

Cost Free College Credit Opportunities:

Cost Free College Credit Opportunities:

Career Technical Assurance Guides (CTAGS)-Students who demonstrate proficiency in career tech courses in approved secondary programs can receive college credit.

Students who choose to take the Entrepreneurship elective course receive:

- CTENTR001 Introduction to Entrepreneurship (3 credit hours)

Students are eligible to receive articulated academic credit for the following Terra State Community College courses:

- OAD1 150 Document Formatting I (3 credit hours)
- OAD1 160 Document Formatting II (3 credit hours)
- OAD2240 Advanced Spreadsheets (1 credit hour)
- OAD 2330 Advanced Presentation Graphics (1 credit hour)

OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Secretaries & Administrative Assistants*	\$22,900	\$36,230	\$51,810	High school diploma or equivalent	7,760
Bookkeeping, Accounting, & Auditing Clerks*	\$24,310	\$39,000	\$58,300	Some college, no degree	6,930
Human Resources Specialist*	\$35,480	\$58,140	\$97,390	Bachelor's Degree	2,080
Marketing Managers*	\$67,370	\$125,610	\$208,000	Bachelor's Degree	530
Chief Executives	\$68,010	\$185,000	\$208,000	Bachelor's Degree	420

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For more information about our

Business & Administrative Services Program, contact:

Mrs. Brandy Bennett

bbennett@scs-k12.net

419.984.1086



AVIATION

INDUSTRY RECOGNIZED CREDENTIALS:

- Remote Pilot Certification (6 points)
- OSHA 10 hour (1 point)

Do you dream of a career in aviation? Flying is addicting, and it can fuel your passion to make your dreams a reality. If flying is in your blood, then the sky's the limit for a soaring career. Only About .2% of the US population has a pilot's license, making this a select group of an exceptional few. Pilots get the unique opportunity to travel the world, experience exotic destinations, and learn about different cultures. The aviation industry opens doors to a variety of exclusive career paths. A pilot can climb the ranks, beginning as an officer and then progressing to captain, check and training captain, management, as well as transitioning to other types of aircraft such as charter flights, rescue missions, firefighting and aerial applications, just to name a few. Non-pilot aviation careers include: air traffic controllers, aircraft and aviation mechanics, airport managers, airfields operations specialists and aeronautical engineers.

Program Highlights:

- Students learn the physics of flying, Federal Aviation Administration (FAA) regulations, how to operate radio transmissions, the importance of safety equipment, aircraft construction, flight planning, meteorology, and performance data.
- Students learn how to read weather reports and weather maps, listen to weather-related warnings, use devices that assist in flying in rough weather and apply classroom scenarios to real-life flying situations.
- In addition to FLYING SIMULATORS, students learn about airport operations, navigation, take-offs, landings, night flying and aircraft communications.
- Students understand the performance of "Small Unmanned Aircraft Systems"- a.k.a. drones - and use drones in the classroom.
- Students are equipped with the necessary information to successfully complete the Federal Aviation Administration's Remote Pilot Airmen Certificate, more commonly known as the "Part 107" Examination. This certificate, along with completion of proper FAA paperwork, will allow students to operate a small unmanned aerial system for commercial purposes.
- Students are members of SkillsUSA, a national student youth group/organization. SkillsUSA allows students to participate in competitive events, fund-raisers, community service projects and social chapter activities.
- Students have the opportunity to intern during their senior year in a (potentially paid) aviation-related profession by participating in the Global Internship Experience.

The Program Focuses on the Following State Approved Courses:

- Aviation
- Aviation Meteorology
- Aviation Pilot Training
- Aviation Air Traffic Control

Cost Free College Credit Opportunities:

Career Technical Assurance Guides (CTAGS) allow students, who demonstrate proficiency in career tech courses in approved secondary programs, to receive college credit at any Ohio public university.

- CTAIR003-Aviation Meteorology
- CTAIR004-Introduction to Aviation
- CTAIR005-Private Pilot Theory

For more information about our Aviation Program, contact:

Mrs. Brandy Bennett
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OHIO MEANS JOBS OCCUPATIONS LISTED ACCORDING TO TYPICAL SALARY

OCCUPATION TITLE	TYPICAL SALARY BOTTOM 10%	TYPICAL SALARY MEDIAN	TYPICAL SALARY TOP 10%	EDUCATION LEVEL	ANNUAL JOB OPENINGS
Airfield Operations Specialists	\$35,090	\$49,430	\$75,350	High school diploma or equivalent	30
Commercial Pilots	\$53,280	\$98,940	\$147,900	High school diploma or equivalent	230
Aircraft Mechanics & Service Technicians*	\$41,060	\$61,330	\$88,770	Postsecondary non-degree award	370
Avionics Technicians	\$24,320	\$57,600	\$79,090	Associates Degree	50
Aerospace Engineers*	\$72,980	\$114,970	\$163,130	Bachelor's Degree	330
Airline Pilots, Co-pilots, & Flight Engineers	\$45,790	\$98,990	\$208,000	Bachelor's Degree	110

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PROGRAMS FOR SUCCESS

ELECTIVES

In addition to the myriad of SHS Programs for Success offered at Sandusky High School, aligned elective courses are also available. Prior to program enrollment, aligned elective courses allow for initial exposure to a program. However, elective courses may also be taken if a student chooses not to enter a program and simply wants to partake in the course.

Family & Consumer Sciences Electives

What do you plan on doing after high school? Whether going to college or pursuing a career, Family & Consumer Science Electives will equip you with the knowledge to live independently.

- Child Development
- Global Foods
- Culinary Fundamentals
- Principles of Nutrition & Wellness
- Textiles & Interiors
- Leadership & Community Engagement
- Senior Life

Business Electives

Interested in running your own business or simply being able to manage your own finances? Business electives will set you up for success.

- Professional and Technical Sales
- Digital Marketing & Design
- Business Foundations
- Business Applications I & II
- Personal Money Management

Computer Science Electives

Does the thought of creating computer games, websites and new apps excite you? Take part in Computer Science electives to learn more!

- Introduction to Programming
- Introduction to Web Design
- Introduction to Video Game Design
- Introduction to Application Design

ELECTIVES

Engineering Electives

Interested in learning more about Engineering and Architecture? Want to get a better idea about the coursework before committing to the program? Engineering electives introduce you to the program's coursework.

- Exploring Design Engineering & Architecture
- Introduction to Engineering
- Introduction to Architecture

Health Careers Electives:

Have you always dreamed of a career in the medical profession? This elective gives you the opportunity to not only explore a number of health careers but also gives you the introductory information you need to work in the medical field!

- Health Careers Exploration

Manufacturing Electives:

Designed specifically for 9th graders, Introduction to STEM allows students to explore six mini-courses over the course of the school year: AutoCad Basics, Welding Concepts, Material Processing Fundamentals, Elements of Construction, Intro to Small Engine Maintenance and Intro to Aviation Careers & Drone Robotics. 10th graders can partake in Intro to Manufacturing & Construction Technology which is preparatory for Welding, Construction and Manufacturing Programs

- Introduction to STEM
- Introduction to Manufacturing & Technology

Performing Arts Electives:

If you would like to learn more about the performing arts, but aren't looking at the arts as a career pathway, you might find these electives beneficial.

- Acting for Film
- Make-Up & Costuming
- Technical Theater
- Script Analysis
- Introduction to Dance
- Dance Foundations

Transportation Electives:

Interested in learning more about becoming a pilot or working with drones? Or perhaps you would like to learn how to fix small engines, transmissions and cooling systems? These are great precursors to our Transportation Programs!

- Air Transportation
- Ground Transportation

- Family & Consumer Sciences
- Business
- Computer Science
- Engineering
- Health Careers
- Manufacturing
- Performing Arts
- Transportation



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COMPUTER PROGRAMMING

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