

2018-2019
High School Catalog

Skills for Success

Excel TECC
Technical Education Career Consortium

WELCOME

Greetings TECC Families:

Students, do you want to receive true hands-on learning for two years within a particular academic area that will immediately prepare you for college or a career of your choice? Do you like to meet students from other schools and spend half of your day on a college campus? Parents, do you want for your sons or daughters to earn college credits while in high school, have workplace internships, be immediately employable upon graduation and be college-ready? Do you want your sons or daughters to receive authentic experiences that are only reserved for college students and professionals? If the answer was yes to any of the aforementioned questions, then Excel TECC is the right place for you!

The Excel Technical Education Career Consortium programs are designed to provide expanded and additional educational options for all students. Our students represent a new wave of career technical education where schools are sending their best and brightest students to our various programs. We have 28 unique career technical programs spread over numerous career pathways and our results speak for themselves. Excel TECC has been recognized as the premier career technical education compact in the state of Ohio by Achieve. Our class of 2017 students earned over TEN MILLION dollars in scholarship monies to colleges and universities. In fact, Excel TECC programs have over 900 college credits available to them through tech prep agreements and career technical credit transfer. Through their memberships in state Career Technical Student Organizations, our students competed and won state championships and qualified for national competitions. Finally, over 90% of our graduates go on to college, are immediately employed or enter the military. Please peruse through this catalog and find out which is the best designed program for your ultimate success beyond high school. Our teachers bring years and years of experience to our students and truly prepare them for the next step in their lives. I am proud to be a part of this school and would be happy to personally speak with you should you have questions about our programs. Make the right choice. Choose Excel TECC for your future!



Nathan Bishko
Director, Excel TECC



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TERMS TO KNOW

Career Technical Education

Career Technical Education is high school and college education that provides students with:

- *Academic subject matter taught with relevance to the real world, often called contextual learning;
- *Employability skills, from job-related skills to workplace ethics;
- *Education pathways that help students explore interests and careers in the process of progressing through school.

Career Technical Planning District (CTPD)

A Career Technical Planning District is a geographical service area that provides students with career technical program choices within the high school curriculum. The Excel TECC CTPD consortium is made up of ten school districts: Aurora, Beachwood, Chagrin Falls, Mayfield, Orange, Richmond Heights, Solon, South Euclid-Lyndhurst, West Geauga and Willoughby-Eastlake. Career technical programs are housed at a number of Excel TECC high schools and other sites. The **home school** is the student's district of residence, regardless of attendance at a program at another site.

Career Fields/Clusters

A career field is a "grouping of occupations and broad industries based on commonalities" (Source: National Career Cluster Initiative). This concept is the basis for developing both broad-based and specialized technical content standards that serve as a framework for curriculum, instruction, assessment and program design addressing the needs of an entire industry/business sector. Ohio career fields include: Arts & Communication, Business & Administration, Construction Technologies, Education & Training, Engineering, Environmental & Agricultural, Health Sciences, Hospitality, Human Services, Information Technology, Manufacturing, Public Safety, and Transportation.

College Credits: Tech Prep & CT²

College Tech Prep blends college prep and technical education into an exciting program that helps students prepare for high-tech careers and helps employers obtain better-prepared workers. College Tech Prep programs provide a seamless curriculum pathway beginning in the 11th grade and continuing through a two-year associate degree program and/or further education at a four-year degree institution. Career-Technical Credit Transfer (CT²) – Guarantees transferability of credits from Ohio high school/adult workforce career-technical programs to Ohio public two-year and four-year institutions. Requirements for attaining college credit are specific to each career technical course. Excel TECC also has direct articulation agreements with Kent State University and the University of Akron.

Q & A: GENERAL INFORMATION

Q: What are the requirements for admittance to the career technical school?

A: Students should be enrolled through their home high school and be in the process of completing the graduation requirements for their home school.

Most of the regular career technical programs are two-year courses of study.

Q: Is transportation available to and from the career technical programs?

A: Bus transportation is available to and from the home school. A car is necessary for students to participate in cooperative programs where they work part-time.

Q: Can I participate in extracurricular activities such as athletics and band at my home school?

A: If the activities take place before or after school, you are free to participate and accommodations are made on an individual basis.

Q: How can I be selected for a career technical program?

A: Students must first complete an on-line application form. This form, signed on-line by the parents/guardians, should be submitted in December preceding the school year the student wishes to enroll.

The student will be interviewed by the particular career technical program instructor.

Q: What high school will I graduate from?

A: Students earn a diploma from their home school, even though they may attend a technical program in another high school.

Q: What do I receive upon completion of a career technical program?

A: Students receive a certificate upon successful completion of a career technical training program. Students receive industry certification in certain programs. Students in all non-referral programs can receive college credits - Tech Prep or CT² - on completion of Agreement requirements.

Q & A: GENERAL INFORMATION

Q: When will I get practice work experience out of high school?

A: Depending on the career technical program, qualified students are placed on jobs during the second semester of their senior year. Students in cooperative programs work throughout their senior year on a part-time basis and earn high school credit.

Q: How much does it cost to take a career technical program?

A: The tuition for a program is paid by your home school district. You will be responsible for fees for most programs to cover supplies, equipment and/or uniforms.



Q: If I take a career technical program in high school, can I still go to college?

A: Combining college with career technical training gives students the best of both worlds in preparing for a career. Over 70% of our technical students go on for additional training in a two- or four-year college.

Students need to work closely with their home school counselors to select the proper academic courses in conjunction with their career technical training. Universities will admit students with career technical training just like any other student, provided the student has completed the necessary “college prep” courses.

Q: What are opportunities for me upon graduation?

A: Over 98% of Excel TECC career technical education graduates are enrolled in college/university, employed or entered into military service within one year of graduating.

Excel TECC does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities and provides equal access to the Boy Scouts and other designated youth groups. The following persons have been designated to handle inquiries regarding the non-discrimination policies:

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STUDENT SERVICES

Guidance and Counseling

Guidance and counseling services are available to students and parents during school hours by appointment at each school in the Excel TECC consortium.

Counselors provide services to help students and parents select the appropriate program, develop a career plan and help with personal problems. The counselor's door is always open to parents and students who have questions or seek advice.

Career Development

The Career Development Program assists school personnel and students in career education and serves students K-12 in the consortium school districts. Career Specialists are in place in all our consortium high schools/districts.

Post Secondary

Teachers work with students on activities to prepare for the world of work and/or further training. These activities include preparation of resumes, job and college applications and interviewing skills.

College Tech Prep programs lead directly into two-year associate degree programs or can be applied to four-year degree programs. CT² college credits transfer to all Ohio public colleges and universities.

Specialized Technical Training

Excel TECC provides a full range of technical training and support services for special education students. Educators from the sending school districts, the Cuyahoga East Vocational Education Consortium (CEVEC) and Excel TECC work together with students and parents to determine the appropriate technical program for each student. The Vocational Special Education Coordinators (VOSE) facilitate placements, monitor student progress and assist students with the transition from school to work or further training.

STUDENT CLUBS/ORGANIZATIONS

An important part of training in career technical education takes place in youth organization activities. Students in all programs belong to organizations that have regional, state and national affiliations. Club activities center around skill competitions which provide motivation to achieve at a high level and promote leadership and interest in professional pursuits.

- **DECA** -DECA is an international organization of marketing students. The students are involved with volunteering, fundraising and competitions on district, state and national levels.
- **FCCLA - Family, Career and Community Leaders of America**
MISSION: To promote personal growth and leadership development through family and consumer sciences education; members develop skills for life through: character development; creative and critical thinking; interpersonal communication; practical knowledge and vocational preparation
- **FFA** -This organization prepares for careers in agriculture. FFA is an active organization that includes chapter meetings, group activities, judging/skill contests and community involvement.
- **Junior Achievement** -JA is an organization dedicated to educating students about workforce readiness, entrepreneurship and financial literacy through experiential, hands-on programs. JA works as a partnership between the business community, educators and volunteers.
- **Skills USA** -Skills USA partners students, business, industry and educators. The organization gives students opportunities to be involved with business and industry to learn first-hand from the real world of work and polish their employability and technical skills.
- **NTHS** -The National Technical Honor Society is open to all students enrolled in a career technical program and is based on outstanding scholarship, character, leadership, and service. Students complete an application which is reviewed by committee to determine if criteria has been met.

COLLEGE-CAREER PATHWAYS

Career Pathways – Series of academic, technological and career-focused coursework and other educational experiences leading to a career specialty, college major and employment in a career field.

College-bound students need to plan their 4-year high school schedules carefully so they meet college entrance requirements and still have room in their schedule for an Excel TECC program. The pathway demonstrated below shows an example of a sequence of courses that will achieve this goal. The actual year in which a course is taken and the actual names of required courses and available electives will vary with the student's high school. There also may be additional required courses unique to individual high schools.

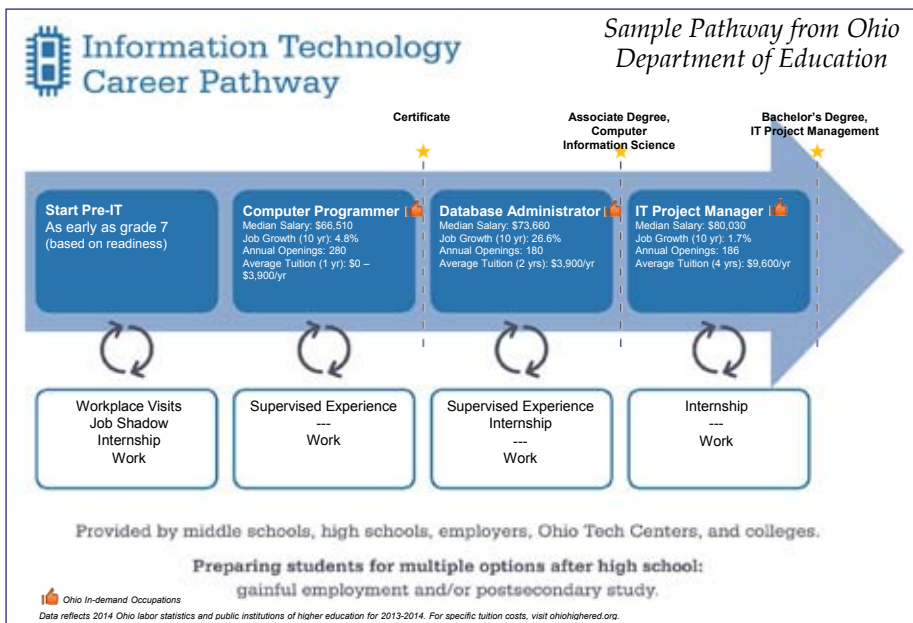
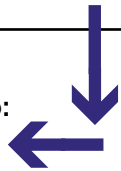
Sample Excel TECC-College-Career Pathway

9th Grade	10 Grade	11th Grade	12th Grade
English 9 Algebra I Biology with Lab World History Phys Ed/Health Electives: [choose] Foreign Language, Arts, Technology, Business, Family & Consumer Science	English 10 Geometry Chemistry with Lab American History Phys Ed/Health Electives: [choose] Foreign Language, Arts, Technology, Business, Family & Consumer Science	English 11 Algebra II Government/Econ Elective: Excel TECC program in career interest area	English 12 Physics with Lab Advanced Math Elective: Excel TECC program in career interest area

Courses in purple are recommended by Ohio Higher Ed to ensure admission to state colleges and universities in Ohio.

Successful Completion of this Pathway may lead to:

- Community College Options
- Baccalaureate Degree Options



For more information go to:

- <http://education.ohio.gov/Topics/Career-Tech/Career-Connections/Career-Pathways>
- <http://www.cord.org>

EXCEL TECC PROGRAMS

(Alphabetical)

Two-Year Programs -- Junior Entry

(Prerequisite: for all programs - Interview by Instructor; By program start date student must have completed coursework required for junior status at home school including seven [7] credits with a mandatory two [2] credits each earned in English and Mathematics; Attendance and discipline records are considered)*

Allied Health	23
Auto Collision	19
Automotive Technology	20
Business Academy	11
CADD Engineering Technology	21
Construction Trades	15
Cosmetology	29
Culinary Arts	12
Digital Arts & Technology	8
Environmental Education	22
Exercise Science & Sports Rehabilitation	24
Fire/EMS Training Academy	30
Health Informatics	25
Interactive Media	31
Intervention Programs	33
ITP - Information Technology & Programming	32
Licensed Practical Nursing	26
Medical Assisting	27
Medical Technologies	28
Performing Arts Academy	9
Production Welding	16
Studio Art & Design	10
TEACH-Teacher Education And Children's Health	18
Travel, Tourism & Hotel Management	14
Welding	17

* Except Intervention Programs

One-Year Program -- Senior Entry

(Prerequisite: Interview by Instructor; By program start date student must have coursework required for senior status at home school including a mandatory three [3] credits each earned in English and Mathematics; Attendance and discipline records are considered)

Marketing	13
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NOTES:

- Articulation credits are subject to change depending on Agreement reviews and are awarded according to student's completion of Agreement requirements
- Career Opportunities listed under each program may require additional post-secondary education or technical training.

ARTS & COMMUNICATION

DIGITAL ARTS & TECHNOLOGY

Two-year: GRADES 11-12

Site: Aurora High School

COLLEGE CREDITS - Tech Prep

Recommendations: enrolled in College Prep English

Credits: 3 credits each year (2 Courses/yr-1.5 credits each; Senior year includes Internship)

Digital Arts and Technology is designed for a student who immerses themselves in today's modern methods of media, communication and culture. Through technology, photography, video, graphic design and audio engineering one is taught how to communicate effectively for today's society. The class is built on a business backbone and integrates social networking, websites and a digital portfolio. Digital Arts uses Digital SLRs, studio strobes, lighting and Adobe Photoshop Lightroom to learn how to take photos, edit and display for any application. Videography can involve music video, short film, documentary and presentation at each stage of production. Recording audio for video is important but is also available for those students who are interested in making and recording music. Pro Tools, the industry standard for audio engineering, is taught at the beginning to intermediate level. The two year program is specifically tailored for the best possible experience. First year students meet everyday in the morning where all aspects are taught to a base level, then each student can independently gravitate toward their desired specialization. The second year meetings are two days in the classroom where the remainder of the week is allocated for student internship. Each senior has the opportunity to intern in their various desired specialization and build their professional network.

Program Content

- *Professional Level Photography*
- *Film & Video Techniques*
- *Editing video, audio and photographs*
- *How these skills relate to today's job market*

COURSES:

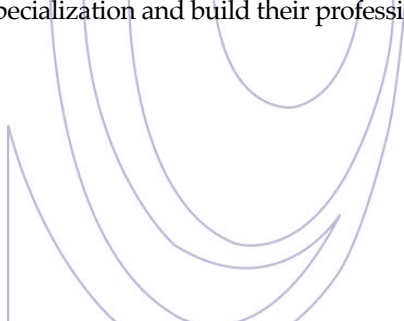
- Arts & Communication Primer
- Digital Image Editing
- Business of Arts & Communications
- Digital Cinema

ARTICULATION:

- Cuyahoga Community College-up to 6 credits
- Kent State University-up to 12 credits

Career Opportunities

Video Editor	Director
Audio Engineer	Photographer
Cinematographer	
Graphic Designer	



ARTS & COMMUNICATION

PERFORMING ARTS ACADEMY

Two-year: GRADES 11-12

Site: Chagrin Falls High School

COLLEGE CREDITS - Tech Prep

Prerequisite: An audition and interview is required for admittance.

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

The Academy for the Performing Arts provides talented high school juniors and seniors with a joyful, challenging and inspiring training experience in the theatre; an educational and performance-based experience that builds confidence, courage and mastery in creative self expression preparing students for high-level college and professional opportunities.

The Academy offers two-tracks of training:

- *Performance Track* - For actors, directors, singers, dancers, choreographers and playwrights
- *Technical Track* - For set, costume, lighting and sound designers. For technical directors, stage managers, and all backstage skills required in the professional theatre.



Program Content

CLASSES FOR JUNIORS

- Voice & Speech for the Stage; Stage Combat; Movement for the Stage; History of Theatre; Intro to Tech Theatre; Intro to Design
- The Etiquette of Theatre; Acting: (Stanislavsky) 4 Quarters; Acting: Sensory ; Acting: Clown; Acting: Technique

CLASSES FOR SENIORS

- AP (Advanced Professional) College and Preparatory Training; Audition (BFA CANDIDATES); Improvisation; History of Film; Voice for the Stage; Movement for the Stage
- Movement: Tai Chi; Acting: Shakespeare; Acting for the Camera; Advanced Make-up; Stage Combat

CLASSES FOR TECH STUDENTS

- Set Design; Tech Practicum; Advanced Makeup; College Prep / Portfolio Web; Lighting Design; Walking Dead Makeup
- Design Software; Puppet Design; Costume Design; Acting; Sound Design; Props

ARTICULATION:

- Cuyahoga Community College -up to 8 credits
- Kent State University -up to 11 credits

• **AUDITION REQUIRED:** Admission to the Academy is by AUDITION ONLY.

To Audition, you need to:

- Sign up for ExcelTecc on-line
- Sign up with your guidance counsellor to attend Interview Day at Mayfield High School, which is in January of your Sophomore year;
- Guidelines and resources for Auditions can be found at www.chagrinacademy.org

NOTE: ALL ACADEMY STUDENTS ARE ENCOURAGED TO PARTICIPATE IN THEIR HOME SCHOOLS' PRODUCTIONS IF DESIRED.

Career Opportunities

- Actor
- Stage Manager
- Producer
- Lighting Designer
- Costume Designer
- Set Designer
- Director
- Box Office & Marketing

ARTS & COMMUNICATION

STUDIO ART & DESIGN

Two-year: GRADES 11-12

Site: Orange High School

COLLEGE CREDITS - Tech Prep

PREREQUISITE: Studio Art packet completed, six portfolio pieces, reference letter from art teacher and interview with Excel TECC instructor

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

The expectation in Studio Art & Design is to prepare self-motivated, creative students for careers in the visual arts by developing a comprehensive portfolio for college acceptance. The program aims to prepare students to be, **College & Career Ready**.

All art students will be introduced to the multiple careers in the visual arts through the use of social media, guest speakers, class instruction and our own professional networking resource, "ARTatWORK".

Program Content

- To *embrace* creative problem solving and visual communications while developing individual expressions within content, image and message.
- To *analyze* interdisciplinary connections that influence social and cultural contexts of visual imagery.
- To *identify*, examine and understand the aesthetic, stylistic and functional considerations of designing objects, environments and communications.
- To *create a portfolio* of art works that demonstrates high level of craftsmanship and conceptual understanding for display in various regional and national student exhibitions.
- To *expand* visual literacy as a means to create images that advance individual expression and communication.
- To *develop* and support a personal philosophy of art based on aesthetic theories and understanding of visual culture.
- To *investigate* and plan strategies for lifelong involvement and advocacy of the arts.

COURSES:

- Business of Arts & Communication
- Visual Creation
- Visual Design Primer
- Arts & Communication Primer

ARTICULATION:

- Cuyahoga Community College
 - up to 6 credits
- Kent State University
 - up to 12 credits

Career Opportunities

Interior/Product Design
Display/Graphic/Package Design
Advertising
Illustration/Cartooning
Photography
Fine Art/Freelance Artist
Art Director



BUSINESS & ADMINISTRATION/HOSPITALITY BUSINESS ACADEMY

Two-year: GRADES 11-12

Site: Northern Career Institute-Willoughby

COLLEGE CREDITS - Tech Prep/CT²

Recommendations: Algebra 1 and Geometry credits earned; Keyboarding/Computer skills

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

“LEARNING TO EARN”

The Business Academy is a dynamic, comprehensive program which will introduce students to the exciting professional world of Business. Students will explore several diverse career areas including Entrepreneurship, Marketing, eCommerce, International Business, Management, Financial Literacy, Project Management, Globalization and Business Law, Finance, Operations, and Management.

The objectives of the Business Academy are to prepare students for college or technical school or employment and to connect, collaborate and compete in a global economy. The program provides a wide knowledge base and will expose students to multiple disciplines. Skills like communication, critical thinking, strong work ethic, goal setting, productivity, leadership and teamwork will provide students with a solid foundation for success. The latest technology will be fully integrated to facilitate and foster collaboration and teamwork in a professional environment.

Program Content

- *Developing Business & Marketing Plans*
- *Personal Financial Management*
- *Marketing*
- *Ethics*
- *Operations Management*
- *Business Relationships*
- *Customer Relations*
- *Professional Development*
- *Project Management*
- *Entrepreneurship*
- *Finance*
- *Technology*
- *Social Responsibility*

COURSES:

- Business Foundations
- Management Principles
- Strategic Entrepreneurship
- Marketing Principles



ARTICULATION:

- Cuyahoga Community College-up to 7 credits/ + 7 with certification
- Lakeland Community College-up to 9 credits
- Bryant & Stratton
- University of Akron-up to 6 credits
- Kent State University-up to 6 credits
- CT²-up to 3 sem hrs/all OH public colleges

Career Opportunities

Entrepreneur
Business Analyst
District Manager

Small Business Manager
Project Manager/Special Events Coordinator
Management or Training Coordinator

BUSINESS & ADMINISTRATION/HOSPITALITY

CULINARY ARTS

Two-year: GRADES 11-12

Site: Beachwood High School

COLLEGE CREDITS - Tech Prep/CT²

Credits: Junior Year - 4 credits (2 Courses-1.5 credits each, 1 Culinary Science)

Senior Year - 5 credits (2 Courses-1.5 credits each, 1 Culinary Math, 1 Paid Internship)

The Culinary Arts I program offers on-site training in our public restaurant, the Beachwood Bistro, to high school juniors showing interest and aptitude for the food service industry. Culinary I focuses on ServeSafe Training and Certification. This certification program is an industry standard.

The Culinary Arts II ProStart curriculum is endorsed by the National Restaurant Association Educational Foundation and provides each student earning a certificate of achievement with articulated college credit. ProStart teaches culinary mathematics, restaurant business management and marketing techniques. The internship component allows the students to work in the food industry for 12.5 hours per week to receive credit and earnings. Students must provide their own transportation.

Program Content

- *Quantity Food Preparation*
- *Proper Use/Care of Commercial Equipment*
- *State and Local Sanitary Codes*
- *Classical Cooking Techniques*
- *Dining Room Service*
- *Global Cuisine*
- *Real Industry Work Experience*
- *Food Cost Control/Food Purchasing*
- *Menu Planning*
- *Menu Marketing*



ARTICULATION:

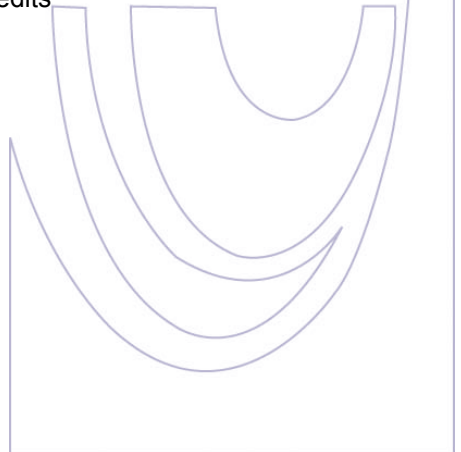
- NRAEF ProStart Certification directly articulates with state college-level culinary programs - up to 6 CT² sem credits individually articulate to other schools nation-wide
- Cuyahoga Community College-up to 5 credits

CERTIFICATIONS AVAILABLE:

- NRAEF ProStart Certification
- ServSafe Certification

Career Opportunities

Chef/Pastry Chef/Sous Chef
Catering/Event Sales Manager
Food and Beverage Manager
Restaurant Manager/Owner
Food Scientist



BUSINESS & ADMINISTRATION/HOSPITALITY MARKETING

One-year: GRADE 12 only

Site: Beachwood High School

COLLEGE CREDITS - Tech Prep

Recommendations: College Prep course of study

Credits: 3 credits (4 Courses/yr-.75 credit each)

Marketing is a college-preparatory program for students interested in studying business, marketing or a related field in college. Marketing provides a hands-on experience for our students in a fun, real-world environment. Students will develop marketing skills outside of the classroom and interact with individuals in the business world by developing and operating their own company. Students will participate in the Junior Achievement Company Program.

Program Content

- *Computer Technology*
- *Virtual Business Simulations*
- *Retail Management*
- *Public Relations*
- *Consumer Behavior*
- *Business Administration*
- *Direct Marketing*
- *Entrepreneurship*
- *Global Marketing*
- *Sales*
- *Fashion Merchandising*
- *Promotions*
- *Product Design*
- *Research*
- *Consulting*
- *Merchandising*
- *Advertising*
- *E-commerce*

COURSES:

- Business Foundations
- Marketing Principles
- Marketing Applications
- Integrated Marketing Communications

ARTICULATION:

- Lakeland Community College
-up to 12 credits
- University of Akron-up to 12 credits
- Kent State University-up to 6 credits

Career Opportunities

Advertising/Promotions/Public Relations
Consumer Psychology
Industrial/Retail Sales
E-Business
Visual Merchandising
Media Planning



BUSINESS & ADMINISTRATION/HOSPITALITY TRAVEL, TOURISM & HOTEL MANAGEMENT

Two-year: GRADES 11-12

Site: Northern Career Institute-Willoughby

COLLEGE CREDITS - Tech Prep

Credits: Junior Year - 3 credits (2 Courses-1.5 credits each)

Senior Year - 3 credits (3 Courses-1 credit each)

Career Technical programs in lodging and travel service prepare learners for careers in management, marketing and operations of lodging facilities, meetings and events and travel-related services. Students will be ready for entry level employment and post-secondary education in pathways that relate to hospitality hotel management, restaurant and food /beverage services, lodging services, travel and tourism, recreation, amusement, and attractions.

Guest speakers from the industry and field experiences are included in regular class time. Seniors are permitted to work second semester in a hospitality-related position during program hours with permission and proper paperwork completed.

Program Content

The student will learn:

- *Business Operations/21st Century Skills*
- *Experience Management*
- *Safety and Sanitation*
- *Culinary Industry Fundamentals*
- *Foodservice Operations*
- *Lodging Operations*
- *Travel and Tourism Operations*
- *Event Planning & Design*

COURSES:

- Hospitality Fundamentals
- Event & Food Planning
- Front Office Management & Operations
- Hospitality Management
- Travel & Adventure Planning

ARTICULATION:

- Lakeland Community College
- University of Akron
- Hocking College

CERTIFICATIONS AVAILABLE:

- Guest Service Gold (American Hotel and Lodging Educational Institute)
- Workplace Safety and Health (National Institute for Occupational Safety and Health)
- ServSafe Manager (National Restaurant Association)
- Teenage Restaurant Worker Safety (Occupational Health and Safety Administration)
- Hospitality & Tourism Management Professional (AHLEI)

Career Opportunities

General/Front Office Manager
Welcome Center Supervisor
Tourism Marketing Specialist

Convention Service Manager
Destination Marketer
Gaming & Casino Supervisor



CONSTRUCTION TECH / MANUFACTURING

CONSTRUCTION TRADES

Two-year: GRADES 11-12

Site: Willoughby

COLLEGE CREDITS - Tech Prep/CT²

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

The Construction Trades program prepares students with the fundamentals needed to work in the building, remodeling, maintenance or repair of public or private buildings and homes. A good portion of the curriculum is hands-on. Sessions are coupled with theory and lab demonstrations, with an emphasis on safety — both on the job and in the classroom.

Program Content

- *Masonry*
- *Carpentry*
- *Roofing*
- *Siding*
- *Building & Property Maintenance*
- *Painting/Wallpapering*
- *Flooring (covering)*
- *Windows/Doors*
- *Drywall*
- *Electrical*
- *Plumbing*
- *Safety*
- *Construction Management*
- *Home Building*
- *Mathematics/Estimating*
- *Blueprint Reading*

COURSES:

- Construction Technology-Core & Sustainable
- Carpentry & Masonry Technical Skills
- Structural Systems & Finishes
- Structural Systems

ARTICULATION:

- Lakeland Community College-up to 9 credits
- Cuyahoga Community College-up to 6 credits
- Kent State University-up to 6 credits
- CT²-up to 3 sem hrs/
all OH public colleges

Career Opportunities

Building Inspector
Carpentry/Woodworker
Masonry/Stone Cutter
Repair/Labor Work/Maintenance
Cabinetry
Plumber/Electrician
With Post-Secondary Education:
Construction Management
Electrical Engineer
Civil Engineer



CONSTRUCTION TECH / MANUFACTURING

PRODUCTION WELDING

Two-year: GRADES 11-12

Site: North High School

COLLEGE CREDITS - Tech Prep/CT²

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

In the Production Welding Program, first-year students will learn fundamental welding and safety skills needed to reach the goal of employment in the welding trades. Skills include ARC, MIG, TIG, Oxy-fuel welding and cutting and Plasma torch cutting. Shop safety and use of basic shop tools and equipment are learned and students use these skills to fabricate and repair projects in class. Second-year students refine their skills and focus on areas of interest.

Program Content

The student will learn:

- Shop Safety
- Use of Hand Tools
- Use of Power Tools
- Oxyacetylene Welding & Cutting
- Plasma Cutting
- ARC Welding
- MIG Welding
- TIG Welding
- Employability Skills
- Utilizing Measuring Devices

COURSES:

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



ARTICULATION:

- Lakeland Community College-up to 10 credits
- Kent State University-up to 30 credits
- CT²-up to 10 sem hrs/all OH public colleges

Career Opportunities

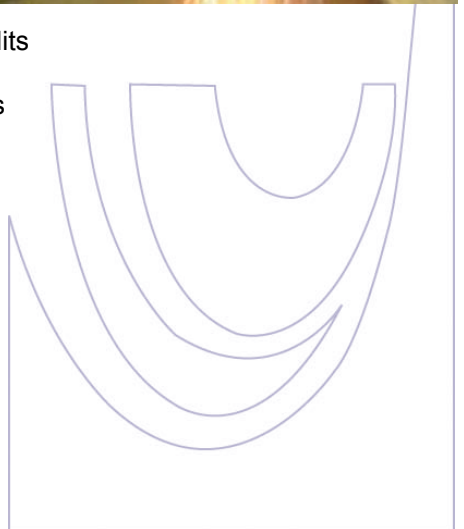
Production Welder

Welder Fitter

Iron Workers

Fabrication

Iron Workers



CONSTRUCTION TECH / MANUFACTURING WELDING

Two-year: GRADES 11-12

Site: Northern Career Institute-Willoughby

COLLEGE CREDITS - Tech Prep/CT²

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

Welding technician students learn to proficiently produce welds of different arc welding processes along with background knowledge of machine settings, scientific theory and blueprint reading. Students learn the same skills taught at the Lindoln School of Welding. Students have a high probability for high paying employment due to the increasing need for young welders in the industry.

The welding machines and equipment found in the shop in the new welding facility match professional equipment used in the field. Students utilize multiple tools to enhance fabrication skills while completing several, large scale community service projects and having the choice to compete in the SkillsUSA competitions. This program had the National Gold Medal Welder in 2016.

Students become effective and professional communicators by working closely with local business and industry to complete community service projects.

Program Content

Students will learn:

- Gas Metal Arc Welding (GMAW)
- Gas Tungsten Arc Welding (GTAW)
- Shielded Metal Arc Welding (SMAW)
- Flux Cored Arc Welding (FCAW)
- Plasma Arc Cutting (PAC)
- Team-building
- Oxy-Fuel Cutting (OFC)
- Blueprint Reading
- SkillsUSA Competition
- Community Service
- Fabrication

COURSES:

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

ARTICULATION:

- Lakeland Community College- up to 10 credits
- University of Akron- up to 30 credits
- Kent State University- up to 30 credits
- CT²-up to 10 sem hrs/all OH public colleges

CERTIFICATION AVAILABLE:

- AWS Welding Certifications

Career Opportunities

Iron Workers

Boiler Makers

Production Welding

Custom Fabrication

Welding Repair



EDUCATION & TRAINING

TEACH

Teacher Education And Children's Health

Two-year: GRADES 11-12

Site: Fairmount Early Childhood Center @ Beachwood

COLLEGE CREDITS - Tech Prep

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

The T.E.A.C.H. (Teacher Education and Children's Health) program prepares students to fill a vital role in the education and health of children. High school students receive the opportunity to teach and care for children in many different learning environments. The first year of the program stresses basic skills needed to work with children and the students are provided with the opportunity to actively be engaged with children at our laboratory schools. In the second year, the students expand their experiences with opportunities to intern with children birth through school-age and other childhood professionals. Again, the students assume a different role in the classroom and gain knowledge and experience working with children. In related class, the students are involved in learning activities requiring higher order thinking skills where they create and implement many learning opportunities for children. Students also have the option to complete the Child Development Associate process with the guidance and support from their instructor as well as earn credits toward a degree in any career field related to Child Development.

Program Content

The student will learn:

- *Childhood Theory*
- *Child Development*
- *Educational Technology*
- *Communication & Assessment*
- *Health & Safety*
- *Curriculum & Instruction*
- *Communicable Diseases*
- *First Aid & CPR Training*
- *Recognition & Prevention of Child Abuse*

COURSES:

- Child & Adolescent Development
- Early Childhood Education Principles
- Foundations of Education & Training
- Curriculum & Instruction for Early Childhood Education

ARTICULATION:

- Articulation credits available through Lakeland Community College and Tri-C. All agreements are reviewed and granted annually for 3-7 credit hours
- University of Akron-up to 30 credits with CDA credential
- Kent State University-up to 3 credits

CERTIFICATION AVAILABLE:

- Child Development Associate (CDA)

Career Opportunities

Pre-K/Elementary Teacher

Middle/High School Teacher

Child Care Director/Teacher

Pediatric Speech/Hearing Therapist

Social Worker

Intervention Specialist

Child Psychologist

Guidance Counselor

Pediatric Physical/Occupational Therapist



ENGINEERING / TRANSPORTATION

AUTO COLLISION

Two-year: GRADES 11-12

Site: Northern Career Institute-Willoughby

COLLEGE CREDITS - Tech Prep

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

The Auto Collision program is designed to teach students the complete cycle of repairing automobiles and other vehicles damaged from normal “wear and tear” or from accidents and collisions. The students develop skills in straightening, forming, soldering, welding, painting and aligning a damaged vehicle. In addition to the required technical learning, the related portion of the training begins to focus on employability and management skills. This aspect includes ordering parts, preparing estimates, writing repair orders, and generally developing good oral and written communication skills. ASE and NATEF certifications are available for qualified students.

Program Content

The student will learn:

- *Proper Safety Practices*
- *Use of Hand and Power Tools*
- *Rust Repair*
- *Sheet Metal Repair*
- *Body Panel Replacement*
- *Detailing*
- *Custom Fabrication*
- *Unibody & Frame Repair*
- *Fiberglass Repair*
- *Custom Painting*
- *MIG Welding*
- *Customer Service*

COURSES:

- Collision Nonstructural Inspection & Repair
- Collision Painting & Refinishing
- Collision Structural Inspection & Repair
- Collision Electrical & Mechanical

ARTICULATION:

- Cuyahoga Community College-up to 5 credits
- University of Akron-up to 30 credits
- Kent State University-up to 30 credits
- Ohio Technical College-AP

CERTIFICATIONS AVAILABLE:

- ASE
- NATEF

Career Opportunities

Auto Body Repair & Alignment Technician
Aircraft & Boat Repair Technician
Parts Manager Estimator
Frame & Front End Repair Technician
Custom Shop or Auto Repair Technician
Refinishing & Sales



ENGINEERING / TRANSPORTATION AUTOMOTIVE TECHNOLOGY

Two-year: GRADES 11-12

Site: Northern Career Institute-Willoughby

COLLEGE CREDITS - Tech Prep/CT²

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

The Automotive Technology program takes place in “hands-on” learning environment. First year students will have the opportunity to receive a safety certificate and The Valvoline Motor Oil Basics Certificate. Students will remove and replace various steering and suspension components, brakes and exhausts systems and will use MIG welding and Oxy fuel torches. They will also use a computerized wheel balancing machine and a four wheel alignment machine.

Second year students will use a variety of computerized scan tools to diagnose and repair drive train, emission, and electrical issues. During the second semester, students are encouraged to participate in a work study program while receiving high school and college credits for their time “on the job”.

Program Content

The student will learn:

- Safety and house keeping
- General service and procedures
- Oil and lubrication/Maintenance
- Steering and Suspension
- Exhausts and MIG welding
- Automotive Detailing
- Scan tool diagnostics
- Computerized wheel alignment/balancing
- Use of information systems and resources
- Brake systems
- Electric Systems
- Drivetrain
- Oxy-Acetylene torches
- Emissions
- Engine Performance

COURSES:

- Ground Transportation Maintenance
- Automotive Braking, Suspension & Steering Systems
- Gound Transportation Electrical / Electronics
- Automotive Engine Performance

ARTICULATION:

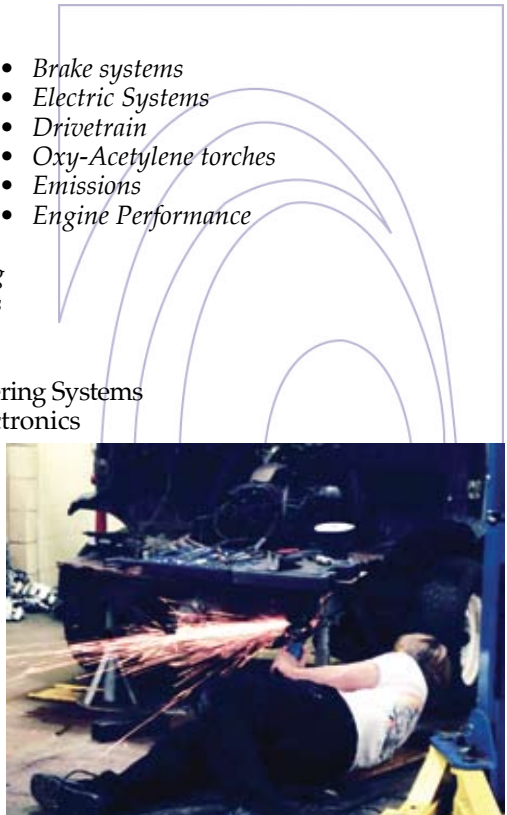
- Ohio Technical College
- University of Northwestern Ohio
- Cuyahoga Community College-
up to 5 credits
- University of Akron-up to 8 credits
- Kent State University-up to 30 credits
- CT²-up to 8 sem hrs/all OH public
colleges

CERTIFICATIONS AVAILABLE:

- Valvoline Oils Certificate
- Hours towards ASE Certification
- CDX Certificate of Course Completion & Webxam

Career Opportunities

- Auto Technician • Lube Technician • Service Writer
- Service Manager • Parts Specialist • Porter • Detailer



ENGINEERING / TRANSPORTATION CADD ENGINEERING TECHNOLOGY

COMPUTER-AIDED DESIGN/DRAFTING

Two-year: GRADES 11-12

Site: *Mayfield Innovation Center @ Mayfield High School*

COLLEGE CREDITS - Tech Prep / CT²

Recommendations: Algebra 1 and Geometry credits earned

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

STEM: Science, Technology, Engineering, & Mathematics fields: competitive, ever-evolving, & in demand! *CADD Engineering Technology* merges interactive instruction, core engineering concepts, & innovative techniques, & provides a strong foundation for STEM studies & careers. *CADD Engineering Technology* emphasizes academic/scholastic achievement, problem-based technical skill development, & work ethics principles, critical for additional studies & successful career navigation in a global economy. Senior students will have internship, digital portfolio, & transferable college credit opportunities.

Program Content

Competencies include:

- *Areas of Architectural, Structural & Civil Engineering, Landscape, Site Planning & thinking GREEN*
- *Areas of Mechanical, Electrical & Fluid Engineering*
- *Performance Product Life Cycles*
- *Fabrication Lab Equipment such as 3D Printer, CNC Router, Laser & Mill*
- *2D & 3D CADD Techniques & Simulation*
- *Blueprint Reading, ANSI, ISO*
- *Use of micrometers, calipers, gauges & scales*
- *Computer System Management*
- *Spreadsheets, Word Processing, Presentations, Databases & Desktop Publishing*
- *Time Management, Interviewing, Portfolios, Applications, Life Skills & Globalization*

Software selections may include:

AutoCAD, Solidworks, Revit

COURSES:

- Engineering Design
- Manufacturing Operations
- Architecture: Site & Foundation
- Architecture: Structural/Mechanical

ARTICULATION:

- Lakeland Community College-up to 16 credits
- Cuyahoga Community College-up to 6 credits
- Kent State University-up to 3 credits
- CT² - 3 sem hours/all OH public colleges

Career Opportunities

Engineer: Aerospace, Automotive, Civil, Biomechanical, Architectural, Transportation, Manufacturing, Mechanical, Environmental, Nuclear, Electrical, Marine

Architect: Commercial & Residential

Drafter: Mechanical, Civil, Architectural

Technical Illustrator

Mold/Software Designer

Product Designer

CAM Programming



ENVIRONMENTAL & AGRICULTURAL ENVIRONMENTAL EDUCATION

Two-year: GRADES 11-12

Site: Gates Mills Environmental Education Center / Cleveland Botanical Garden

COLLEGE CREDITS - Tech Prep/CT²

Recommendations: completion of Algebra 2 by end of senior year

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

Virtual Learning additional course(s) available

ARTICULATION:

- Cuyahoga Community College-up to 6 credits
- ATI/Ohio State University - Placement Math test
- University of Akron-up to 6 credits
- Kent State University-up to 7 credits
- CT² - up to 3 sem hrs/all OH public colleges

These three programs are designed to educate the student in practices of commercial horticulture, including ornamental landscaping, greenhouse production, and floral design. Students will explore post-secondary training by visiting Tri-C and the Agricultural Technical Institute in Wooster. Students enrolling in the program become members of FFA, and can join the Ohio Nurserymen and Landscapers Association. Entry employment opportunities are available and continuation of higher education is encouraged after completion of the program. Employment opportunities are very high for those that are serious about their careers. The three areas available to students are:

- CLEVELAND BOTANICAL GARDEN
- FLORICULTURE & GARDENING OPERATIONS
- LANDSCAPE CONSTRUCTION & DESIGN

CLEVELAND BOTANICAL GARDEN

Cleveland Botanical Garden Program is for students that desire a career in landscape maintenance and public gardening. The garden houses 10 landscaped acres of permanent, award-winning displays and themed gardens which the students use for their classroom. This program is designed for those students who wish to develop their landscaping skills, work habits and knowledge to ultimately become successful workers in the horticulture industry and productive members of society.

CAREER OPPORTUNITIES: Public Garden Worker • Landscape Business Owner • Horticulture Management

FLORICULTURE & GARDENING OPERATIONS

The Floriculture and Gardening Operations program introduces students to many areas of the horticulture industry before entering higher education/workforce. It offers the basics in Landscape and golf course gardening, plant production, greenhouse and garden center operations, floral design, interior plant production, sales, customer service, plant identification and care. The program includes class room theory and hands-on instruction by growing, maintaining, selling and designing with annuals, perennials, shrubs, trees, cut flowers and tropical plants. Students are encouraged to participate in a paid internship program to enhance the learning experience!

CAREER OPPORTUNITIES: Floral Designer • Greenhouse Grower • Landscape & Golf Course Technicians • Garden Center Mngmnt • Nursery Worker • Horticulture Sales/Marketing • Plant Propagation • Wedding Consultant • Business Owner/Manager • Estate & Public Gardeners

LANDSCAPE CONSTRUCTION & DESIGN

The Landscape Construction and Design Program is an intensive Tech Prep program designed for students who are serious about employment in the landscape industry and/or to prepare themselves for further education in a college, university or trade school. The course uses a project-based, problem-based philosophy and provides students with hands-on work and instruction both on the horticulture campus and at off-site locations. Students will engage in topics such as landscape equipment operation, landscape design and estimating, plant identification and care, construction with stone, wood and precast pavers, irrigation, small engine maintenance and general maintenance of the landscape.

CAREER OPPORTUNITIES: Landscape Designer/Architect • Crew Leader-Landscape Maintenance • Landscape/Hardscape Construction • Park System Maintenance • Gardener



HEALTH SCIENCES

ALLIED HEALTH [Nursing Assistant]

Two-year: GRADES 11-12

Site: Northern Career Institute-Eastlake

COLLEGE CREDITS - Tech Prep/CT²

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

This program is designed to provide the basic health-care skills necessary for an entry-level position in health care. Skills include CPR, STNA training (State Tested Nursing Assistant), nutrition, mental health and therapeutic communication, and health career awareness. Students will learn to assist patients with daily living and fundamental tasks, assist with restorative therapy, assist in a health care setting. Career opportunities for students completing the Allied Health Program may include STNA or home health aide.

Program Content

The student will learn:

- *Medical Law & Ethics*
- *Medical Terminology*
- *Data Collection*
- *Anatomy & Physiology*
- *State Tested Nursing Assistant*
- *Patient Education*
- *CPR/First Aid*
- *Administering Medication*
- *Sterile Environments*
- *Career Assistance*

COURSES:

- Principles of Allied Health
- Mental Health
- Medical Terminology
- Patient Centered Care & Diagnostics



ARTICULATION:

- Lakeland Community College-up to 9 credits
- University of Akron-up to 10 credits
- CT² - up to 3 sem hrs/all OH public colleges

CERTIFICATIONS AVAILABLE:

- State Tested Nursing Association [STNA]
- CPR/First Aid
- OSHA-10 hr health certification

Career Opportunities

State Tested Nursing Assistant [STNA]

Home Health Aide

Hospice Aide

Restorative Aide

Hospitality Aide

Mental Health Counselor



HEALTH SCIENCES

EXERCISE SCIENCE & SPORTS REHABILITATION

Two-year: GRADES 11-12

Site: Brush High School

COLLEGE CREDITS - Tech Prep/CT²

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

Do you strive to promote healthy living? Do you enjoy helping people meet their wellness and athletic performance goals? Do you like assisting others as they recuperate from an injury or illness? If you answered “yes” to one or more of these questions, you may be interested in the field of physical therapy and/or sports medicine.

This health science program will help you learn the basics of preventing, diagnosing and treating injuries related to sports and/or science exercise. Exercise Science & Sports Rehabilitation also offers real work experience through shadowing and clinical hours in an approved healthcare facility. Students wishing to attend college will have a good foundation for a declared major in any health related field. Students may be required to join Health Occupations Students of America (HOSA) student organization and may compete in local, regional, state and national activities. CPR certification applies to this program.

Program Content

The student will learn:

- *Functional Anatomy & Exercise Science*
- *Health Evaluation & Fitness Testing*
- *Exercise Programming*
- *Nutrition & Weight Management*
- *Injury Recognition & Prevention*
- *Medical terminology*
- *Rehabilitation & Treatment Methods*
- *Education & Counseling*
- *Infection Control & Risk Management*
- *Medical Law and Ethics*

COURSES:

- Health Science and Technology
- Exercise and Athletic Training
- Medical Terminology
- Athletic Injuries and Prevention

ARTICULATION:

- Kent State University-up to 3 credits
- CT² - up to 6 sem hrs/all OH public colleges

CERTIFICATION AVAILABLE:

- AMCA Physical Therapy Aide
- ACSM Certified Personal Trainer



Career Opportunities

Positions are available for qualified employees in:

- Health centers
- Hospitals
- Nursing care facilities
- Athletic organizations
- As a certified personal trainer (upon obtaining certificate)

With further education:

- Physical therapist / therapy assistant
- Certified fitness / athletic trainer
- Sports medicine physician
- Radiology technician
- Registered nurse (RN)
- State Tested Nursing Assistant (STNA)
- Emergency medical technician (EMT)/paramedic
- Licensed practical nurse (LPN)

HEALTH SCIENCES

HEALTH INFORMATICS

Two-year: GRADES 11-12

Site: Northern Career Institute-Eastlake

COLLEGE CREDITS - Tech Prep

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

Health Informatics is the fusion of healthcare, information technology, and business administration and guides their integration into different aspects of the healthcare sector, at both the individual and population levels. It incorporates collecting, analyzing, and using data to make informed decisions regarding the healthcare system, as well as improve the efficiency of it. It also applies health and information concepts, theories, and practices to real-life situations to achieve better health outcomes.

Program Content

Taught in a Project Based Learning environment, in which groups/teams work together to complete projects and deliverables regarding different aspects of the Health Care Industry:

- PBL is where students work through projects over an extended period of time to solve a problem or challenge in an engaging, hands-on, team-oriented, real-world environment.
- The projects entail being provided a healthcare based scenario and then, after research, analysis, conducting studies, etc, creating end-all 'deliverables' based on the findings; this is done within teams/ small groups.
- The program involves computer use daily, including use of the Internet, Research, Word, Excel, PowerPoint or Prezi, Moviemaker, Audacity, and Access.
- The H.I. Program's learning environment allows for students to take control of each project and, within the groups, delve into the content, ask questions, find answers, and make real-life connections between the healthcare industry and their lives.

COURSES:

- Data & Use
- Transforming Data into Information
- Billing and Coding
- Problems & Solutions

ARTICULATION:

- Lakeland Community College-up to 8 credits

Career Opportunities

Data Analyst
Clinical Researcher
Public Health Nurse
Risk Manager of a Hospital System
Hospital Network Administrator
Epidemiologist
Blood Bank Coordinator
Insurance Underwriter
Community Health Program Coordinator



HEALTH SCIENCES

LICENSED PRACTICAL NURSING

Two-year: GRADES 11-12

Site: Northern Career Institute-Eastlake

COLLEGE CREDITS - Tech Prep/CT²

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

ADMISSION REQUIREMENTS

- Passage of a pre-entrance test with a proficient score: ACT WorkKeys tests - Applied Math for Healthcare [score ≥ 5]; Workplace Documents [score ≥ 5]; and Graphic Literacy [score ≥ 4]
- Minimum cumulative GPA of 3.0

Willoughby-School of Practical Nursing is committed to excellence by providing nursing education preparation through classroom, lab, simulation, and clinical experiences. For over 50 years the practical nursing program has been offered to both adult and high school students and remains one of the few high school programs available to students in Ohio.

Our nursing program affords the student the ability to think critically and use problem-solving processes while providing care to patients. The nursing profession is an exciting and fast paced career with continuous learning opportunities. Nursing is a flexible career with diverse opportunities. Being entrusted with a life and making a difference happens every day with this profession.

Program Content

The practical nursing program consists of the following courses approved by the Ohio Board of Nursing:

- *Body Structure and Function*
- *Nursing Fundamentals*
- *Issues, Roles, and Professionalism*
- *Introduction to Pharmacology*
- *Medical Surgical Nursing and Pharmacology*
- *Weekly Clinical Experience during senior year*
- *Clinical Calculations*
- *Nutrition and Diet Therapy*
- *IV Therapy*
- *Obstetrics*

COURSES:

- Patient Centered Care
- Nutrition & Wellness
- Patient Centered Care & Diagnostics
- Lifespan & Medical Intervention

ARTICULATION:

- University of Akron-up to 30 credits
- Kent State University-up to 30 credits
- CT²-up to 12-14 sem hrs
- Ohio One-Year Option-30 sem hrs

CERTIFICATIONS AVAILABLE:

- Board of Nursing NCLEX-PN exam
- State Testing Nursing Assistant [STNA]
- CPR
- National Career Readiness Certificate

Career Opportunities

Pediatric LPN

Clinic LPN

Triage LPN

Private Duty Nurse

Charge Nurse



HEALTH SCIENCES

MEDICAL ASSISTING

Two-year: GRADES 11-12

Site: Northern Career Institute-Eastlake

COLLEGE CREDITS - Tech Prep/CT²

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

The Medical Assisting Program is designed to prepare students to handle both the clinical duties and administrative responsibilities in a medical setting. Students learn anatomy and physiology, medical office protocol, vital signs, and patient care. Medical terminology, medical ethics, office skills, and basic patient care are included. Classroom and clinical settings offer a variety of opportunities for learning.

Program Content

The student will learn:

- *Scheduling Appointments*
- *Maintaining Medical Records*
- *Measuring Vital Signs*
- *Measuring & Recording Height/Weight*
- *Assisting with Examinations/Procedures*
- *CPR*
- *First Aid*
- *Team-building*
- *Phlebotomy*

COURSES:

- Medical & Dental Office Technology
- Patient Centered Care & Diagnostics
- Medical Terminology
- Lifespan Development & Medical Intervention



ARTICULATION:

- Lakeland Community College - up to 13 credits
- University of Akron-up to 30 credits
- Kent State University-up to 30 credits
- CT² - up to 3 sem hrs/all OH public colleges

CERTIFICATIONS AVAILABLE:

- Registered Medical Assistant (RMA)
- Certified Phlebotomy Technician
- OSHA 10-hr Healthcare Certification
- CPR for Healthcare Providers
- First Aid

Career Opportunities

Certified Medical Assistant
Chiropractor Assistant
Medical Office Assistant
Registered Medical Assistant
Pediatric Medical Assistant

Optometric Assistant
Ophthalmic Medical Assistant
Clinical Medical Assistant
Administrative Medical Assistant

HEALTH SCIENCES

MEDICAL TECHNOLOGIES

Two-year: GRADES 11-12

Site: *Mayfield Innovation Center @ Mayfield High School*

COLLEGE CREDITS - Tech Prep/CT²

Recommendations: Algebra 1 and Geometry credits earned

Credits: Junior Year - 3 credits (2 Courses/yr-1.5 credits each)

Senior Year - 4 credits ((2 Courses/yr-1.5 credits each, 1 Internship/Work)

The Medical Technologies program prepares students with an interest in the medical professions. The development of the attitudes, practices, technical and academic skills necessary for employment in medical, allied health occupations and diagnostic treatment to facilities is essential to the pursuits of post-secondary education.

The students will participate in instructional, laboratory and clinical experiences designed to prepare individuals in direct patient care, diagnostic, therapeutic and treatment options. Students will participate in an internship under the supervision of physicians, dentists, nurses, emergency personnel, therapists and other allied health staff.

The course is intended for those students who are serious about an educational future in the medical/allied health occupations and diagnostic sciences. Med Tech is a program that articulates with colleges allowing some students to receive college credit in high school.

Program Content

The student will learn:

- *Medical Terminology-college course*
- *Experience with the latest medical equipment*
- *Anatomy/Physiology & Biochemistry/Physics*
- *First Responder Certification*
- *Basic EKG Interpretation-college course*
- *Acute Care Hospital internship program*
- *Introduction to Health Care Sciences-college course*
- *Patient Care Skills*
- *Health Care Responsibilities*
- *OSHA Bloodborne Pathogen*
- *Patient Education*
- *Human Growth & Development*

COURSES:

- Principles of Allied Health
- Patient Centered Care & Diagnostics
- Lifespan Development & Medical Intervention
- Medical Terminology

ARTICULATION:

- Lakeland Community College - up to 13 credits
- Cuyahoga Community College - up to 4 credits
- University of Akron-up to 9 credits
- CT²-up to 3 sem hrs/all OH public colleges

CERTIFICATION AVAILABLE:

- American Heart Association CPR-Certification for Health Care Providers



Career Opportunities

- Medicine
- Sports Medicine
- Nursing
- Dental
- Physical Therapy
- Clinical Laboratory Technician
- Cardiopulmonary Technician
- Radiology/Nuclear Medicine
- Pharmacy
- Veterinary Medicine
- Clinical Research
- Laboratory
- Dental Hygiene
- EMT/Paramedic
- Occupational Therapy
- Geriatric Care

HUMAN SERVICES / PUBLIC SAFETY

COSMETOLOGY

MAYFIELD: Two-year: GRADES 11-12

Site: Alpha Park; **COLLEGE CREDITS - Tech Prep**

Credits: Junior Year - 3 credits (2 Courses-1 credit each, 1 Theory)

Senior Year - 4 credits (2 Courses-1 credit each, 1 Theory, 1 Internship)

This two-year program involves classroom and practical experiences, 150 hours Internship for state board in a salon and English, Science, and Theory designed to assist the student in developing specific skills and the scientific knowledge to be a licensed cosmetologist. Students who successfully complete the program can qualify to take the State Board Examination.

Program Content

- Sanitation Procedures
- Anatomy, Physiology, Chemistry, Microbiology, Trichology
- Business Management
- Hair Care Procedures which include: Styling, Cutting, Coloring, Permanent Wave & Chemical Relaxing
- Skin Care/Nail Care
- Salon Safety Procedures
- English Communications



ARTICULATION:

- Cuyahoga Community College - up to 3 credits; 20-30 hours of ATS (Associate of Technical Study Degree)
- Lakeland Community College - up to 3 credits
- University of Akron-up to 30 credits
- Kent State University-up to 30 credits

CERTIFICATION AVAILABLE: • State Board of OH Cosmetology License

WILLOUGHBY-EASTLAKE: Two-year: GRADES 11-12

Site: Northern Career Institute-Willoughby; **COLLEGE CREDITS - Tech Prep**

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

Students will have hands-on experience learning hair care, nail care and skin care. The Cosmetology Course is designed to train the student in the basic manipulative skills, safety judgments, proper work habits, business skills, and desirable attitudes necessary to obtain licensure and for competency in job entry-level positions in Cosmetology or a related career field.

Upon completion of the 1500 required hours by the Ohio State Board of Cosmetology, students will be required to pass for the Ohio State Board of Cosmetology exam, prior to being employed in the profession. It is a requirement of Ohio State law to have a license to perform services on clients in a salon environment. Students will learn to care for hair, skin, and nails and to create style and beauty.

Program Content

- Sciences: Microbiology, Trichology, Infection Control, Chemistry, Electricity & Light Therapy, Anatomy & Physiology
- Principles & Techniques of: Hair Styling, Hair Shaping, Hair Coloring, Chemical Texture Services Scalp & Hair Treatments
- Skin Care Treatments & Application of Cosmetics
- Principles & Techniques of Nail Services
- 150 hours Salon Internship/SkillsUSA competition

ARTICULATION:

- Lakeland Community College-up to 3 credits
- Cuyahoga Community College-up to 3 credits
- University of Akron-up to 30 credits
- Kent State University-up to 30 credits

CERTIFICATIONS AVAILABLE:

- State Bd of OH Cosmetology License
- Cuccio Certified Nail Technician
- Career Safe OSHA

Career Opportunities

Esthetician	Hairstylist
Nail Technician	Color Technician
Cosmetic Sales	Spa Coordinator
Make-up Artist/Consultant	

HUMAN SERVICES / PUBLIC SAFETY

FIRE/EMS TRAINING ACADEMY

Two-year: GRADES 11-12

Site: Tri-C East and West (Fire & EMT)

COLLEGE CREDITS - Tech Prep / CT²

Prerequisite: Complete Sports Physical (when accepted);

Recommendations: Competence in the following coursework: Anatomy/Physiology, Language Arts, Math-Algebra

Credits: Junior Year - 3 credits (1 Course-3 credits)

Senior Year - 3 credits (1 Course-1.5 credits, 2 Courses-.75 credits/each)

Students interested in Fire and EMS should be in good physical condition, have concern for the well-being of other people, have the ability to work on a team, a desire to solve problems, and be able to remain calm under pressure.

The Fire/EMS Training Academy is a two-year program. The first year of the curriculum covers the foundation of firefighting and EMS, which looks at such topics as the history of public safety, ethics, first aid/CPR, medical emergencies, fire behavior, communications, Hazmat training and much more. After completion of the initial year, students will then continue into the senior year in either Fire or Dispatch. Juniors attend program at Tri-C East; seniors attend at Tri-C West. Students will be able to obtain an EMT-Basic certification and Fire Fighter I and II certification or APCO Telecommunication Certificate, allowing them to search for employment in those careers at the age of 18.

Program Content

All students will learn:

- Career Exploration & Development
- Firefighting & EMS Operations/Training
- Life Saving Skills
 - First Aid and CPR
- 911 Telecommunications
- Leadership & Communications
- Safety Awareness
- Fire Prevention
- Hazmat Training
- Public Relations
- Report Writing Skills
- Terrorist Assessment Training

COURSES:

- Foundations of Firefighting and Emergency Medical Services
- Emergency Medical Technician
- Firefighting I & II

ARTICULATION:

- Cuyahoga Community College - up to 6 credits in Fire/EMT
- University of Akron-up to 16 credits
- Kent State University-6 toward Associate degree/30 toward ATS
- CT² - up to 22 sem credit hours/all OH public colleges

CERTIFICATION: (possible):

- Junior Year:
 - American Heart Association First Aid
 - American Heart Association CPR
- Senior Year
 - Fire Fighter I & II / -EMT Basic
 - Hazmat Operations
 - APCO Telecommunication Certificate



Career Opportunities

- Fire Fighter
- EMT-B
- Hospital Technician
- 911 Dispatch

Future Opportunities with Further Education

- Paramedic
- Critical Care Transport
- Search & Rescue Specialist
- Fire Investigator
- Hazardous Materials Specialist

INFORMATION TECHNOLOGY

INTERACTIVE MEDIA

Two-year: GRADES 11-12

Site: *Mayfield High School*

COLLEGE CREDITS - Tech Prep / CT²

Prerequisite: Portfolio/work samples

Recommendations: Art 1; Computer related courses

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

Interactive Media students learn to use professional level graphic arts computer software for image editing, animation, special effects video, and web design. The computer hardware found in the classroom matches the professional graphic arts work environment. Students utilize digital drawing tablets, scanners, digital photo and video cameras, professional graphics software, and computers with dual display monitors. Students become confident communicating effectively and professionally with adults by doing work for local non-profit organizations and small business clients.

Program Content

The student will learn:

- *Design/Art Concepts*
- *Photography*
- *Digital Imaging*
- *Desktop Publishing*
- *Graphic Design*
- *Economics & Business Concepts*
- *Animation*
- *Web Design*
- *3-D Graphics*
- *Special Effects Video*
- *Multimedia Production*
- *Team-building*

COURSES:

- Video & Sound
- Animation
- 3D Techniques
- Web Design

ARTICULATION:

- Lakeland Community College-up to 13 credits
- Art Institute of Pittsburgh-up to 19 credit hours
- Cuyahoga Community College-up to 6 credits
- Kent State University-up to 12 credits
- Virginia Marti College of Art & Design-per portfolio review
- CT²-up to 12 sem hrs/all OH public colleges

Career Opportunities

Graphic Designer
Web Designer
Multi-Media Designer
Digital Imaging Specialist
3D Graphic Artist
Animator
Game Artist
Motion Graphics Artist



INFORMATION TECHNOLOGY

ITP-INFORMATION TECHNOLOGY & PROGRAMMING

Two-year: GRADES 11-12

Site: Mayfield High School

COLLEGE CREDITS - Tech Prep / CT²

Recommendations: Algebra 1 and Geometry; English 1 & 2 credits earned; computer use, keyboarding & MS Office skills

Credits: 3 credits each year (2 Courses/yr-1.5 credits each)

ITP provides students with direction and skills necessary to develop one's talents in a wide range of computing fields. With local and national economic and employment trends strongly pulling toward Information Technology, ITP graduates are prepared to effectively pursue their career in today's tech-based economy.

ITP is a College Tech Prep program affiliated with the Lakeland Community College Tech Prep Consortium. ITP students are prepared to further their education on the collegiate level at a four-year, two-year or technical institution, while having the opportunity to earn advanced college credit during their enrollment in ITP.

Program Content

- *Computer Programming Logic & Design*
- *Software & Web-based Programming*
- *Multimedia Authoring Systems*
- *Video/Computer Game Development*
- *Mobile Device App Development*
- *Networking, Security, Linux Server*
- *Professional Leadership, Teamwork & Communication Skills*
- *Computer Maintenance & Repair*
- *Regional, State & National levels of competition*

- ITP Competitive Teams and Individuals have earned 46 championship awards since 2002 in SkillsUSA including SkillsUSA National Champions in 2007, 2008, 2009, 2010, 2017, Tech Prep, Cool Tech Challenge & Congressional App Challenge

COURSES:

- Information Technology
- Networking
- Web Design
- Programming

ARTICULATION:

- Lakeland Community College—up to 16 credits
- Cuyahoga Community College—up to 13 credits
- University of Akron—up to 3 credits
- Kent State University—up to 12 credits
- CT² - up to 9 sem credit hours/all OH public colleges

CERTIFICATION AVAILABLE:

- CompTIA A+ • PC Pro+
- Network Pro • Security Pro
- Linux Pro • Desktop Pro+

Career Opportunities

Computer & Information Systems Manager
Mobile Device Software Designer
Computer Engineers / Operators
Medical Software Programmers
Network Administrator / IT Security Specialist / PC Network Technician



INTERVENTION PROGRAMS

A.C.E. - Agriculture & Career Exploration

This program offers 10th-12th grade students an exploration of the various Agriculture occupations with emphasis on entry level job skills. This work-study program is designed for selected students to get first hand experience in the world of work. Students successfully completing various job shadow sites throughout the school year will have the opportunity to gain paid employment. While learning job skills, students will gain knowledge in the areas of: employability skills, positive work habits, communication and interpersonal skills, basic floral design, landscape techniques, plant propagation and care, and general horticulture skills. Students will explore post secondary training at Tri-C, and the Agricultural Technical Institute in Wooster. A.C.E. students become members of FFA, and can join the Ohio Nurserymen and Landscapers Association.

Career-Based Intervention/Gates Mills

This program offers students an exploration of Horticulture-related careers. Half-day is spent at the Gates Mills Environmental Education Center or at work sites. The other half-day is classroom time which includes Virtual Learning academics (Math, Science, English, Social Studies).

Participation guidelines:

- At-risk students ages 14-15;
- Referral from guidance counselor and principal

Career-Based Intervention/Mayfield [@ Alpha Park]

GRADES 10-12 - ADMISSION/GUIDELINES: Counselor recommendation; Interview by instructor; Students must be 16 years old before start of new school year, must attend class every day of the school year, students and parents must sign a contract.

The Career Based Intervention (CBI) program offered at Mayfield is aimed specifically at helping students become motivated toward education and exploring work experience. The CBI program is also designed to assist students who possess barriers to career and academic success. The program uses work-based learning experiences and gaining competencies to achieve a successful path to career options. CBI is based on the key principles of higher student expectations, studying the common curriculum of the school, providing authentic learning opportunities, having supportive structures, and establishing a sense of belonging. Grades 10-12: Students must have a job outside the school day. Student will receive one credit for CBI related, three credits for work experience [180 work hours=1 credit], and five credits for virtual learning and/or classroom instruction. Credit recovery is an option for qualifying students. The main goal of CBI students in grades 10-12 is to be able to graduate and be able to learn employability skills, implement a career plan, and to participate in career assessment.

Job Training Program - Mayfield

The Job Training program is a community-based option for students who need an individualized approach to gaining vocational skills thru work experience and on-the-job training. Based on the student's prior experiences, a progression toward competitive employment is determined. Students receive individual coaching and job development in securing their community placement. Ongoing interaction with employers facilitate the student's growth and job retention. Students are required to provide their own transportation to job placements, however proximity to the student's residence is a major consideration when choosing a job site. Students engaged in fifteen hours per week of community placement will earn 2 credits per school year.

Additionally, students meet for small group instruction weekly at their home schools. Instructional topics include: conducting a job search, developing a resume, interviewing effectively, researching career paths, soft skills development, and work ethic. Students attending and participating in instructional sessions earn 1 credit for this component of Job Training.

Participation guidelines:

- Interview with instructor; minimum of 16 years of age; recommendation of counselor or IEP team

HOW TO APPLY

Admission Procedure

Students who are enrolled in one of the Excel TECC consortium districts and who meet the requirements of the program should go to the Excel TECC website to complete an on-line application.

Home school counselors will review applications.

For further information, please contact

Mr. Joe Hayes (Excel TECC) at 440-995-6761.

(See prerequisites and recommendations for programs; high school attendance and discipline records are also considered.)

Excel TECC Timeline

October/November 2017 -

Excel TECC visits consortium high schools' 10th grade classes

December 12–2017 -

Opportunity Day/Night: Students visit during the day (field trip);

Parents/guardians/students visit during the evening

December 2017/January 2018 -

Applications accepted

January 11–2018 -

Interview Day: Prospective students interview with program teacher (field trip)

February 2018 -

Student acceptance letters mailed; Home school counselors notified

March–August 2018 -

Late applications accepted to programs with openings

August 2018 -

Orientation Day for in-coming 2018-2019 students
[Mayfield programs-others as determined by instructor]



STAFF

Director Excel TECC Nathan Bishko
 Dean of Students Joe Rico
 Guidance Counselor/Admissions Joe Hayes
 Secretaries Cathy Catullo, Denise Kluk
 Career Development (& Excel TECC Marketing) - Kay Vincent

 Allied Health Danielle Blood
 Auto Collision Lou Masitto
 Auto Services Mike Evans (Sherry Ebbert, Project Assistant)
 Business Academy Lisa Simon
 CADD Engineering Technology Craig Schmidt
 Construction Trades Rick Zivny (David Hrudka, Aide)
 Cosmetology-Mayfield Debby Kall, Maryanne Hummell
 Cosmetology-Willoughby-Eastlake Mindy Montello, Peggy Jean Teske
 Culinary Arts Kortez Wilson, Danette McHale

(Pat Stoltz, Aide)
 Digital Arts & Technology Pat Fenner
 Environmental Education Becky Gardner,
 Ed Tuhela, Kim Haydu,
 Kym Judson, Sam McCracken
 (Nancy Farmer, Diane Yerrick,
 David Husat, Technical Assists.)

Exercise Science & Sports Rehabilitation ... Justin Murphy
 Fire/EMS Training Academy Keith Weathersbee
 Health Informatics Carisa Lindsay
 Interactive Media Mike Caldwell
 ITP-Information Technology Ron Suchy
 Licensed Practical Nursing Kim Nye
 Marketing-Beachwood Greg Perry
 Medical Assisting Deanna Sanford
 Medical Technologies Joanna Davidson, Debra Elam
 Performing Arts Academy Tom Fulton, Dusten Welch
 Production Welding Mark Stevens (Tom Roseum, Project Assistant)
 Studio Art & Design Dan Whitely
 TEACH Patti Krupinski, Katie Ball
 Travel, Tourism & Hotel Management Cathy Covill
 Welding Nathan Inbody (David Ebbert, Project Assistant)
 Job Training Ottolee Umbaugh (Susan Flowers, Job Trainer)
 CBI/Mayfield Dwight Fritz (Bill Whaley, Math Instructor;
 Lynne Hammill, English Instructor)

 Director WE/NCI Lori Klonowski
 Coordinator NCI-Eastlake Victoria Morley
 Coordinator NCI-Willoughby Deanna Elsing
 Secretaries NCI Diane Marchand, Jeanette Grady
 VOSE Special Ed. Coordinator (Mayfield).... Anthony Corpora
 Vocational Director (Brush) Lorraine Fuller
 VOSE Coordinator (Brush) Jeff Berenson
 VOSE Coordinator (Solon) Mary Ellen Simecek
 VOSE Coordinator (Beachwood) Valerie Parker
 Transition Coordinator (Orange) Tim Averre

STAFF BIOGRAPHIES

Katie Ball

Education: BS from Mercyhurst College in Family and Consumer Sciences Education; Kent State University - Career and Technical, Education and care; Master's Degree-Cleveland State University in Educational Research. *Work Experience:* TEACH/Early Childhood Education Excel TECC (8 yrs); Middle School Family and Consumer Sciences Teacher for the Millcreek Township School District in Erie, PA. (1 yr) Career Pathways to Teaching Instructor for Lakewood City Schools. (2 yrs). *Hobbies:* Raising my children (6, 4, and 1 years old), baking, reading, sewing and watching sporting events.

Nathan W. Bishko

Education: Cleveland State University-Master of Education in Educational Administration; Bachelors of Science in Physical Education. *Work Experience:* Director of Excel TECC (7 yrs); 7 years in Richmond Heights Local Schools (1 teaching, 4 as Assistant Principal and 2 as Principal of Richmond Heights Secondary School); Physical Education teacher (5 yrs)-Mayfair Elementary and Shaw High School/East Cleveland Schools. *Hobbies:* Spending time with his wife and three children, golfing, basketball, running, reading about golf and watching golf!

Michael Caldwell

Education: Ohio University-MFA; Cleveland Institute of Art-BFA. *Work Experience:* Excel TECC (Mayfield)-Interactive Media program teacher (14 yrs); Ursuline College-Adjunct Graphic Arts Teacher; Fox 8 Cleveland-Broadcast Graphic Design; Cleveland Museum of Art-Educational Technology Coordinator; Self-Employed Web Design; U.S Air Force-Weather Specialist. *Awards:* Lakeland Tech Prep Showcase Interactive Media First Place student team - 2005; Ohio State Skills USA Tech Prep Showcase Interactive Media First Place student teams - 2006, 2010. *Hobbies:* Art, hiking.

Cathy Covill

Education: Kent State University-BA/Elementary Education, CTE License; Master's of Education; currently working on Certified Hospitality Instructor's Certification-American Hotel and Lodging. *Work Experience:* Instructor-Travel, Tourism & Hotel Management; Hospitality Industry (28 yrs); Madison County Club (15 yrs)-Assistant Manager, Supervisor, Server; Kirtland Country Club; Shoreby Club-Assistant Manager; Canterbury Golf Club-Clubhouse Manager; Lodge and Conference Center/Geneva-on-the-Lake-Food and Beverage Manager; Quaker Steak and Lube/Mentor-opening Marketing Manager.

Joanna Davidson

Education: Notre Dame College - BA, Ursuline College - BSN, Kent State - currently working on Certificate/Excel TECC. *Work Experience:* Excel TECC/Medical Careers/Medical Technologies (10 yrs); Advance Clinical Nurse, University Hospitals of Cleveland; Medical/Surgical Nursing, ICU Nursing, Gastrointestinal Head Nurse at University Hospitals of Cleveland; Maternity Staff RN, Home Care/Hospice Care, Emergency Room/ staff RN, Pediatric Intensive Care Unit-Cleveland Clinic Foundation; Ursuline College Clinical Instructor/Nursing/Maternity and Medical Surgical rotations; Metro Hospital Pediatric Nursing Instructor/ clinical; CPR health certified, HIPAA certified. *Awards:* Award of Excellence from the State Board of Ohio Nurses; Member of the Sigma Theta National Education Honor Society for Registered Nurses. *Hobbies:* Family and friends, volunteer work- Pancreatic Health Care Volunteer Committee CCF, knitting, sewing, cooking, swimming, football fan, entertaining, decorating and shopping, nature walks.

Debra Elam

Education: CSU – MSN, Licensed School Nurse – University of Akron, Ursuline College – BSN, Kent State University - currently pursuing certificate/Excel TECC. *Work Experience:* Instructor Medical Technologies (3 yrs), Coordinator of Nursing Resource Center – Ursuline College, Clinical Nurse Associate – CSU, Acting Manager of the Nursing Resource Lab – CSU, Assistant to Physician/Staff Nurse – The Center for Hope & Healing, Quality Improvement Director/Staff Nurse – Newbury Family Practice, School Nurse – University Schools, Health Aid – Kenston Local School District, Staff Nurse (Medical-surgical care, Cardiac Step-down) – Marymount Hospital. *Awards:* Distinguished Staff Award nominee, Golden Key International Honor Society Member, Sigma Theta Tau International Honor Society of Nursing, Nu Delta Chapter, Iota Psi Chapter, Dean's List, Ursuline College, National Honor Society Member, Maple Heights High School. *Hobbies:* Family, Friends, Broadway Shows, Reading, Jewelry Design, Ceramics, Knitting, Nature walks.

Mike Evans

Education: Kent State University-CTE Certification, University of Northwestern Ohio, ASE Master Auto Technician, ASE Medium and Heavy Duty Trucks, ASE L1 Advanced Level Engine Performance, ASE Auto Collision, ASE Specialist, ASE Under Car Service Consultant. *Work Experience:* Master technician (22 yrs) Teaching (13 yrs). *Awards:* Teacher of the year 2013-2014, Willoughby Eastlake School District. *Hobbies:* Football, Drag racing, Hot Rods, car building and restoration...if it has an engine I like to fix it!

STAFF BIOGRAPHIES

Patrick Fenner

Education: Kent State University-Masters in CTTE Education and Bachelors in Business Administration. *Work Experience:* Excel TECC Digital Arts and Technology teacher (9 yrs); Hudson Cable Television-Production Assistant (9 yrs); Technology consultant; Cleveland Municipal School District, Hudson City School-Broadcast Journalism technical instructor (6 yrs); Owner of VisualKarmaL Photo, Video and Sound (9 yrs); Cleverock.com-Media editor and head photographer (11 yrs).

Dwight Fritz

Education: Thiel College BA History/Comprehensive Social Studies; Youngstown State University- Masters in School Administration; Kent State University-Career Based Intervention certification. *Work Experience:* Career Based Intervention-Tri-C Instructor, Social Studies teacher of record for VLA; Teaching experience-26 years. *Hobbies:* Football and wrestling coach for MHS and for Mayfield Youth football and wrestling; lifting weights, hitting the heavy bag, and working in the yard with my family.

Thomas Q. Fulton

Education: Master of Education, Kent State University; BFA Southern Methodist University - in professional theatre Graduate, Interlochen Arts Academy; Foundation for the Extension and Development of American Professional Theatre-Marketing and Advertising the Arts; Kent State University-Professional Services-Career and Technical Teacher Education. *Work Experience:* Artistic Director, Center Repertory Theatre; Artistic Director, Phoenix Theatre Ensemble; Executive/Artistic Director Cleveland Theatre Company; Company Member (actor, director) The Cleveland Play House; Artistic Director Cain Park Summer Theatre; Member, Actor's Equity Association; Executive Director, Fairmount Center for the Arts; Director, Director of Creative Services Case Western Reserve University; Director of Web Development John Carroll University; Chagrin Falls Performing Arts Academy. *Awards:* Best Professional Production, The Three Sisters, Cleveland's Critic Circle; Awards of Distinction in the Arts, Runner Up - Hamlet; Best Actor - Man of LaMancha, Fiddler on the Roof, Tartuffe, Who's Afraid of Virginia Woolf, The Times Newspapers. *Hobbies:* Grandfather of 4; Tom and his wife Kathy also raise geese, ducks and swans; amateur woodworking; web designer; and novelist, who has been working on a book for the past 21 years to no avail; last but not least, avid fresh water fisherman whenever a lake is on the horizon.

Rebecca Gardner

Education: The Ohio State University-Bachelors degree/Agriculture; Kent State University-Masters degree/Education; Kent State University-Career Based Intervention endorsement, Permanent Teaching certificate. *Work Experience:* Environmental Education Teacher (29 yrs); Horticulture industry experience-florist-design and delivery, garden center-sales, landscaper (8 yrs); Professional Certifications: Ohio Pesticide Applicator; Ohio Garden Center Technician. Professional memberships: Ohio Florists Association, Perennial Plant Association, Ohio Wildlife Federation, Cleveland Botanical Garden, Ohio Turf Grass Association, Ohio Nursery and Landscape Association. *Hobbies:* Sports (OSU Football and Cavaliers Basketball), gardening, music, hiking, clam bakes, card games, volunteering, spending time with family and friends.

Kimberly Lynn Haydu

Education: Lakeland Community College-Associate of Arts; The Ohio State University-Bachelors- Science/Agriculture; England Study Abroad Program; Ashland University-Master of Education; CTAE Leadership Academy, Career-Based Intervention Endorsement. *Work Experience:* Gates Mills Environmental Education Center Instructor (18 yrs); FFA Advisor, Sea World of Ohio-1999; Mentor Board of Education-1991-1998; Butterflies Flower and Balloons Florist-1995-1998. *Professional Memberships:* Cleveland Botanical Garden, The Ohio Nursery & Landscape Association. *Hobbies:* Travel, gardening, yoga, working out, and spending time with family.

Joseph C. Hayes

Education: Lakeland Community College-Associate of Arts; Baldwin Wallace College-Bachelors- Certified Kindergarten-8th Grade; Cleveland State University-Masters-Guidance/Counseling. *Work Experience:* Excel TECC-Guidance Counselor (17 yrs); Lander Elementary School (Mayfield)-11 yrs-Kindergarten, 2nd and 4th grade; Certified Business Etiquette Trainer, Certified Communication Skills Trainer, Certified Life Skills Trainer, Co-Pastor local community church (13 yrs); Manufacturing Industry-Materials Inspector and Tool and Die Maker Apprentice (6 yrs); retirement community-Program Service Director (6 yrs). *Awards:* Seven time recipient of the Top 40 Teaching Excellence Award. *Hobbies:* Enjoys being with his wife, children and grandchildren; reading the Bible and doing Biblical research; baseball; hiking; exercising/T-25; amateur etymologist-one who studies the origin of words, their meaning and how their form changes with time.

Maryanne Hummell

Education: Kent State Certificate Program. *Work Experience:* Mayfield High School-Cosmetology Teacher (24 yrs); Cosmetology experience-39 yrs; Attended Hair World/Washington and Las Vegas; Students competition/Midwest Beauty show in Chicago. *Awards:* Award of Excellence from State Board of Cosmetology; Mayfield City Schools Excellence Award; Academic Booster Staff Award; Member-NCA, OEA, OCCTA, Academy Pro Hair Extension Certification, Icon Shear Certification. *Hobbies:* Reading, vacationing and spending time with grandchildren.

STAFF BIOGRAPHIES

Nathan Inbody

Education: Bowling Green State University-Bachelor of Science/Technology Education; Valley City State University-Masters/Career and Technical Education. *Work Experiences:* Wickliffe City Schools 2007-2017 Industrial Arts Instructor; Fabricator / Carpenter / Automotive Technician / Electrician. *Credentials:* Ohio State Department of Education Teaching License in Technology Education. *Hobbies:* Drag Racing / Motorsports Fabrication / Camping / Boating.

Kym Judson

Education: Lakeland Community College; Kent State University-Bachelor of Science in Education; Masters level work at Lake Erie College. *Work Experience:* 38 yrs in the Horticulture industry including floral design, greenhouse and garden center management, private estate gardening; 24 yrs at the Gates Mills Environmental Education Center-11 yrs as Horticulture job trainer and 13 yrs as a Horticulture instructor. *Professional Memberships:* Ohio Florist Association, The Design Network, Ohio Certified Nursery Technician, Ohio Garden Center Technician, The American Horticulture Society. *Hobbies:* Travel, gardening and outdoor activities, working out and spending time with my children and grandchildren.

Deborah Kall

Work Experience: Cosmetology teacher (31 yrs); 39 yrs experience in Cosmetology Field; Attended Hair World/ Washington and Las Vegas; Attended Chicago Hairshow and students competed in competition. *Awards:* Award of Excellence from State Board; Mayfield City Schools Excellence Award; Mayfield Booster Award; Golden Apple Award; Member-NCA, OEA, OCCTA; Academy Pro Hair Extension Certification, Icon Shear Certification; AVIS Recognition; Group Leader at Kent State; VICA competition and Advisor; Advisor of Cats Cabinet. *Hobbies:* Reading, walking, needlepoint and watching the Cleveland Indians.

Patti Krupinski

Education: Bowling Green State University-Bachelor's Degree, Elementary Education, Kindergarten- Eighth grade; Cleveland State University- Master's Degree, Early Childhood Education: Curriculum and Instruction; Kent State University-Career Technical, Education and Care; Ohio University- Reading Endorsement (PK-12). *Work Experience:* TEACH/Early Childhood Education Teacher (9 yrs), Kindergarten Teacher (7 yrs), Preschool Administrator (4.5 yrs), Business Owner of Child Enrichment Center (1.5 yrs), Ohio Department of Job and Family Services Early Childhood Education Licensing Specialist (2 yrs); *Professional Memberships:* National Association for Education of Young Children (NAEYC) member. *Hobbies:* Baking, reading, shopping.

Carisa Lindsay

Education: M.S.Ed and BSBA from Bowling Green State University, Computer Technology Endorsement from Cleveland State University. *Work Experience:* Computer Science (13 yrs), Business Education (2 yrs), Health Informatics (3 yrs), Building Technology Coordinator (10 yrs), District Technology Coach (1yr). *Awards:* Adele Knight Teacher of the Year (2014). *Hobbies:* Golf.

Lou Masitto

Education: Kent State, PPG training school (painting), Blackhawk School (Frame Repair),PPG custom painting school. *Work Experience:* 23 years in high volume body shop, body repair, frame repair, painting, etc.. *Awards:* ASE Certification (automotive service excellence), PPG certification, PPG custom painting. *Hobbies:* cars, cars, and more cars.

Danette McHale

Education: Masters Ed. Ashland University-Curriculum Development and Instruction; BA-University of Akron-Home Economics 7-12, -BA-Vocational Education Multi-Area with a specialization in Food Management and Production; Certification-Food Safety and Sanitation (ServSafe). *Work Experience:* Corporate dining facility-kitchen supervisor; Culinary Arts Teacher-32 yrs. *Awards:* 2009 Cleveland ACF Culinary Educator of the Year, 2010 NRAEF Certified Secondary Foodservice Educator, 2010 NRAEF Certified Ohio ProStart Instructor 2013 NRAEF Teacher of Distinction. *Hobbies:* baking, sewing, gardening.

Justin Murphy

Education: Malone University - Bachelors degree/Exercise Science; Kent State University - Graduate Certificate (post-bachelors certificate)/Career-Technical Teacher Education. *Work Experience:* Exercise Science Teacher (5yrs); Health/Fitness Industry Experience: exercise physiology, strength & conditioning coaching, personal training. *Professional Certifications:* Certified Strength and Conditioning Specialist (CSCS) through the National Strength and Conditioning Association (NSCA). *Professional Memberships:* NSCA, Association for Career and Technical Education (ACTE). *Hobbies:* Spending time with family, working out, and reading.

Kim Nye

Education: Ursuline College-Bachelors of Science in Nursing – Registered Nurse; Kent State University-Masters of Education in Career & Technical Education. *Work Experience:* (10.5 yrs) Willoughby-Eastlake City Schools – Willoughby-Eastlake School of Practical Nursing (10.5 yrs); Cleveland Clinic Foundation – Pediatric Nurse/Medical-surgical nursing floor (16 yrs); Interim Health Care – Home Health Nurse (3 yrs). *Awards:* The Hannah Boland Pediatric Clinical Excellence Award; Preceptor Certification of Recognition. *Hobbies:* Baking, exercising, gardening, spending time with family.

STAFF BIOGRAPHIES

Gregory Perry

Education: The Ohio State University-BA; Marygrove College, Michigan -Masters in Teaching. *Work Experience:* Owner, Re-Design-Residential and Commercial Design Company; Marketing Teacher (25 yrs), Director of Development, Senior Premier Concierge. *Awards:* Junior Achievement National Teacher of the Year, Akron Area Junior Achievement Hall of Fame, Heart of Green Local Hero Award, Hearst Publications New York City, North America Junior Achievement Company of the Year, Fed Ex National Access Award, Greater Cleveland Junior Achievement Company of the Year, Inside Business - "One To Watch"; Recipient, Cuyahoga Falls Teacher of the Year, Martha Holden Jennings Teacher Delegate-National Foundation for Teaching Entrepreneurship - Yale University, National Entrepreneurship Consortium Scholarship Winner, Business and Marketing Standards Committee-ODE and OMEA, Ford Pas Grant Recipient; Junior Achievement Fellows Program, McGraw Hill-Marketing Industry Review Panel, National School Board Association, Ohio School Board Association, Green Building Certification Institute Board Member for Green Classroom Professional Certificate. *Hobbies:* Sailing, working, travel.

Joseph Rico

Education: The Ohio State University-BS/Education; Cleveland State University-Masters/Counseling; Ashland University-Administrators Licensure. *Work Experience:* Mayfield City Schools (24 yrs)- Counseling, -Dean of Students/Excel TECC (15 yrs); Private Schools (6 yrs); Corporate work (4 yrs); Willoughby-Eastlake schools-counselor for at-risk school and the technical school (4 yrs). *Hobbies:* Spending time with family, exercising.

Deanna Sanford

Education: Kee Business College Norfolk, VA- Medical Assisting Diploma; Kent State University-CTTE Teacher Certification. *Work Experience:* Medical Assistant for 23 years; as well as a STNA for 15 years with 9 years working Hospice care; University Hospitals Orthopedic Foot and Ankle Specialists, Podiatry and Wound care; Cleveland Clinic Family Practice; Awards: Dean's List-Kee Business College. *Hobbies:* Baking/Cooking, Gardening, Being outdoors, and demolition/remodeling projects with my husband.

Craig Schmidt

Education: The University of Texas at San Antonio - B.F.A./Architecture; San Antonio College; Kent State University - CTTE Teacher Certification; Notre Dame College. *Work Experience:* CADD Engineering Technology (10 yrs), Lecturer of Architecture, Engineering and Fire Science, San Antonio College (5 yrs part-time); Corporate world: Architecture, Engineering, Planning and Development (31 yrs). *Hobbies:* Computers, 3-D printing, stock car racing.

Lisa Simon

Education: Ashland University-Master's in Business Administration with a Specialization in Entrepreneurship and Human Resource, Bowling Green State University-Bachelor of Science in Business and Marketing Education; *Work Experience:* Willoughby-Eastlake City Schools, Career Academy (2014-Present), Jackson Local Schools-Jackson High School (10 Years): taught Several Business and Marketing Management courses as well as Business Technology, monitored students at their places of employment and aided in the function of a School Store, Eastlake North High School (2 Years): taught Computer Science, Business Law & Ethics as well as Introduction to Business, Euclid City Schools-Euclid High School (4 Years): taught the Marketing program as well as Keyboarding; DECA Advisor (21 years), BPA Advisor; *Hobbies:* Fishing, Gardening, Reading, Home Crafts and Watching the Cleveland Cavaliers and Cleveland Browns.

Mark Stevens

Education: Willoughby-Eastlake Technical; Lakeland Community College, Kent State University, Cleveland State University. *Work Experience:* Instructor, Production Welding (25 years), Welder/Fabricator local companies. *Hobbies:* Fishing, camping, woodworking, sports.

Ronald Suchy

Education: University of Toledo-Bachelors Degree/Business Education and Computer Science; Kent State University-Masters Degree/Instructional Technology. *Work Experience:* Mayfield High School: Business Education/Excel TECC: Information Technology & Programming (1997 to present); Fairless High School (Navarre OH) (1994-1997); St. John Central High School (Bellare OH) (1992-1994). Activities: Advisor for SkillsUSA 2006-Present; 2007, 2008, 2009, 2010, 2017 SkillsUSA State and National Championship Advisor; Assistant Varsity Football Coach--Mayfield High School; Director, Hopes Turn at Bat Charity Softball Tournament; USCG Licensed Master; Chairman, Mar-Lu Sport-Fishing Resort, Inc. *Hobbies:* Outdoors activities, sports, reading, history and travel.

Peggy Jean Teske (P.J.)

Education: Community College, Bowling Green College. *Work Experience:* Cosmetology Educator (19 yrs) Private Schools, Aesthetics Director (8 yrs) Private School, State Board Certified CEU Instructor, Aveda Certified Train the Trainer and Coach, (7 yrs) Advanced Medical Aesthetics for Board Certified Plastic Surgeons, Aveda International Awarded 3-Tier, 5-Tier, and 10-Tier Educator Excellence Awards; Attended and/or participated: Shows-Chicago, Columbus, MasterJam Minneapolis, Miami, Charlotte, Mid-America Cincinnati, Summit, and Cleveland; Participated and Coach or Judge; NAHA, VICA, and Skills USA. *Professional Memberships:* OEA,CEA,OACS,AACS,AIA. *Hobbies:* Gardening, drawing and painting, swimming, floral designing.

STAFF BIOGRAPHIES

Ed Tuhela

Education: The Ohio State University - Bachelor of Science in Agriculture in Landscape Horticulture; Lake Erie College - Graduate credit (30 hours)-teaching strategies and natural resources; Kent State University - teaching license. *Work Experience:* Excel Tecc - Gates Mills Environmental Center - Landscape Construction and Design Teacher (27 yrs); The Garden Center of Greater Cleveland - Head Gardener (3 yrs); Village Garden Center (1 yr); Hold a commercial pesticide license. *Professional Memberships:* Member of: The Nature Conservancy, Ohio Nursery and Landscape Association, Ohio Landscape Association, American Turf Grass Association, The Cleveland Museum of Natural History. FFA Advisor 1991 to present – local and state championships. *Hobbies:* Avid skier, mountain climber, hiking, mountain biking, kayaking, gardening.

Ottolee Umbaugh

Education: Masters of Ed--Special Education, Kent State University; BS--Vocational Home Economics (7-12, Multi-Area Job-Training); Certificate--Interior Design, Akron University. Teaching Certifications: SPED/MH-DH-OH; Voc HE/Multi-Area; Transition Endorsement--JTC, VOSE, WS; Career-Based Intervention Endorsement. *Work Experience:* Excel TECC--Job Training Coordinator (17 yrs); CEVEC, Mayfield OH--Work-Study Coordinator (1 yr); Maplewood Career Center, Ravenna OH--Vocational Instructor, Careers In Service Industries (3 yrs), Job Trainer, Option 4 (1 yr); Kent State University, Kent OH--Teaching Assistant (1 yr); University of Akron, Akron OH--Graduate Assistant (1 yr); Battelle Memorial Institute, Columbus OH--Research Associate (7 yrs); Builders Kitchens, Akron OH--Kitchen Design Assistant (2 yrs); General Building Products, Cleveland OH--Kitchen Design and Sales (2 yrs). *Hobbies:* Quilting, Interior Design, gourmet cooking, reading, cultivating plants, tent sales, hiking.

Keith Weathersbee

Education: Attending Kent State University - CTTE Teacher Certification, Montgomery Collage - General Studies AA, Montgomery County Fire/Rescue Training Academy - Paramedic, Fire Fighter Certification; *Work Experience:* Fire/EMS Academy Instructor (3 yrs); Montgomery County Fire Rescue Firefighter/Paramedic (7 years); *Awards:* Willa K Little Award for Academic Excellence Paramedic Studies; *Hobbies:* Family, Football, Baseball, Hockey, photography, travel, food and drink.

Dusten Welch

Education: Ashland University-BA/Theatre; Kent State University - Masters degree/Education (*attending*). *Work Experience:* Performing Arts Academy Instructor (2 yrs); Performing Arts Academy Assistant (1 yr); Baldwin Wallace University (3 yrs)- Adjunct Professor; Great Lakes Theatre (2 yrs) - Actor Teacher; Solon Center for the Arts (6 yrs) - Instructor; Freelance Director & Fight Choreographer (11 yrs - over 60 productions). *Professional Certifications:* Society of American Fight Directors - Advanced Actor Combatant. *AWARDS:* Cleveland Scene Magazine - Best Outdoor Arts Experience: Director *A Midsummer Night's Dream* (2015); Kennedy Center's American College Theatre Festival - Certificate of Merit: Fight Direction (2006 & 2015). *Hobbies:* Being outdoors.

Daniel Whitely

Education: Master of Arts-Kent State University, Major-Studio Painting; 7-12 Secondary Education Certification-Hiram College; Bachelor Fine Arts/Illustration/Painting-Cleveland Institute of Art; *Work Experience:* Studio Art & Design Instructor (5 yrs), Art Department Chairperson-Shaker Heights City Schools; *Awards:* Presidential Scholars Teacher Recognition Awardees, 2008; The Scholastic Art & Writing Award Outstanding Recognition (formational student work honors): 2003-2009, Ohio Governor's Youth Art Exhibition-Top 25 Teacher 2001, 2008; National Foundation for Advancement in the Arts Teacher Recognition Certificate, 2006-2007 young ARTS program.

Kortez M. Wilson

Education: Associates Culinary Arts; Pennsylvania Culinary; Kent State-BA Technical Education; Certified (ServSafe) proctor/instructor. *Work Experience:* Excel TECC Culinary Arts Instructor; Former Executive Chef Mustard Seed Market & Café; Former Assistant Team Leader (Executive Chef) Whole Foods Market. *Awards:* 2006 SS Kemp Culinary Competition Silver Medalist; 2013 Ohio ProStart Teacher of Distinction. *Hobbies:* Family, exercise, FOOD FOOD FOOD.

Rick Zivny

Education: Kent State Teacher Training program/Career Technical Education. *Work Experience:* Excel TECC-Construction Trades program teacher (22 yrs); NCCER Certification-Master Craft Instructor; Owner/Operator-construction business (16 yrs). *Hobbies:* Fishing, hunting, spending time with family, NFL fan, playing horseshoes.

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