



EXPLORE, PREPARE, CONNECT



# RANGER PATHWAYS

HAMILTON TOWNSHIP HIGH SCHOOL





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# WELCOME TO RANGER PATHWAYS



Ranger Pathways is Hamilton Township High School's career exploration, preparation, and connection program. All HTHS students explore career fields that are consistent with their interests and skills; prepare for college and/or other career-specific training; and connect with businesses or municipalities for internships, apprenticeships, or other valuable work experiences.

The career pathways in this manual include the most in-demand fields in Ohio and were cooperatively designed by Hamilton Township guidance counselors, teachers, and administrators, and by Columbus State CC and our community partners, especially Obetz Jobs. Hamilton students begin understanding their career interests and skills in the sixth grade, then explore potential careers in the eighth and ninth grades. The pathways in this manual help HTHS students know how to prepare to be enrolled, employed, or enlisted upon graduation. Our students' path to graduation and career success begins with Ranger Pathways.

A person wearing a blue jacket stands on a rocky mountain peak with their arms raised in a 'V' shape. The background shows a vast, hazy mountain range under a blue sky. The text is overlaid on this image in yellow brushstroke-style boxes.

**EXPLORE**

**PLAN**

**CONNECT**

**TO BE**

**ENROLLED**

**EMPLOYED**

**ENLISTED\***

\*James C. Harden, PhD

# HOW TO USE THIS GUIDE

**MOST IN-DEMAND JOBS IN OHIO IN THIS CAREER FIELD**

**TITLES MATCH OHIO MEANS JOBS CAREER FIELDS**

## BUSINESS AND ADMINISTRATIVE SYSTEMS



### Administration, Management, Finance, & Insurance

People in these occupations keep a business or organization's operations running smoothly. They may manage the day-to-day operations of a business. They may also make sure that a business has the resources it needs to do its job. Others take care of daily financial matters and keep things organized.

**ELECTIVES A STUDENT SHOULD TAKE FOR THIS CAREER FIELD**

**STUDENTS IN THIS CAREER FIELD NEED TO TAKE THESE CORE COURSES**

## PATHWAY COURSES

### Core

English I, II, III, IV  
 Math I, Geom, Alg II, Pre-Calc or Stats  
 Phys Sci, Bio I  
 World Hist, Am Hist, Govt

### Recommended

Business Management  
 Business and Tech in 21st Century  
 Any third HTHS science course



**THESE ACTIVITIES ARE IDEAL CAREER FIELD EXPERIENCES BEFORE GRADUATION**

### Required

Personal Finance

## SUGGESTED ACTIVITIES

- Job Shadowing
- Internship
- Apprenticeship



- Graphic Design College Tech Prep [Eastland Career Center]
- Medical Office Technologies

**EASTLAND-FAIRFIELD CAREER FIELD PROGRAMS**

ACTUARY  
 COMPENSATION MANAGER  
 CUSTOMER SERVICE REPRESENTATIVE  
 ENERGY BROKER  
 FINANCIAL ANALYST  
 TEAM ASSEMBLER  
 TREASURER  
 WHOLESALE & RETAIL BUYER



College  
Credit Plus  
Industry  
Credentials

Partners

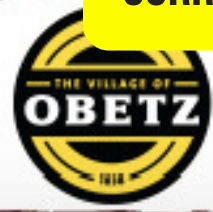
**WE WORKED WITH  
COLUMBUS STATE  
COMMUNITY COLLEGE TO  
DEVELOP THIS COLLEGE  
CREDIT PLUS PLAN**

COURSE	CREDIT
FMGT 1101	3
ENGL 1100	3
CSCI 1101	3
BMGT 1101	3
BMGT 1102	3

**TESTS A STUDENT CAN  
PREPARE FOR AND  
PASS TO EARN AT LEAST  
12 POINTS AS A PATH  
TO GRADUATION**

CREDENTIAL	POINTS
Microsoft Office Specialists (multiple certifications)	3 each
Industry Training	1
Industry Training	1
Industry Training	1

**OUR COLLEGE, COMMUNITY,  
AND BUSINESS PARTNERS  
WHO CONTRIBUTE TO OUR  
CURRICULUM IN THIS FIELD**



**HOW TO USE  
THIS GUIDE**

# RANGER PATHWAYS SCHEDULE

Grades K-5: Teachers occasionally use instructional materials that enthuse students about careers. Instruction about careers is purposeful, documented, coordinated within and between buildings, and presented without bias or exclusion. Instruction and discussion is age appropriate and aims to be anxiety-free. Teachers work with principals to schedule career speakers.

Grade 6: Students get their first exposure to OhioMeansJobs (OMJ). After creating an OMJ K12 account, each student explores the OMJ Backpack. Students participate in Career Cafes. Consider going to Eastland-Fairfield 3-day Summer Camp held in early June for grades 6-8.

Grade 7: All students take the Career Cluster Inventory and begin exploring careers that support the top results of their Inventory. Students participate in Career Cafes. Students begin learning about Eastland-Fairfield Career and Technical Schools (EFCTS). Consider going to EFCTS 3-day Summer Camp.

Grade 8: All students explore the Ranger Pathways Career Guide and schedule classes with College Credit Plus and/or credential pathways in mind. Students participate in Career Cafes. Students visit Eastland-Fairfield Career and Technical Schools. Consider going to Eastland-Fairfield 3-day Summer Camp.





# RANGER PATHWAYS SCHEDULE

**Grade 9:** Students complete their *My Plan 9/10* which is in their Hamilton Google account. Students design their high school experience around their career interests and goals. They continue to explore a variety of careers and need to consider many careers that align to their interests and skills. The focus is on identifying specific career fields that they can pursue while in high school. Students draft and update a resume in their Ohio Means Jobs (OMJ) Backpack. The OMJ Backpack is updated as necessary during ADVISORY. College Credit Plus classes are scheduled to support career plans. Excel on your End-of-Course exams. Meet with a guidance counselor.

OMJ Backpack work that begins in grade 9 continues through grade 12. Update the Career Cluster Inventory and complete Career Plans, Assessments and Training, Programs I'm Interested In, Schools I'm Interested In, Scholarships I'm Interested In, Explore and save 10 jobs, calculate your target salary, and complete a career profile.


**Grade 10:** Students must update their *My Plan 9/10*. Students begin shadowing experiences. Language Arts classes should include opportunities to research and report on career interests and issues within the careers. Continue OMJ Backpack work. Consider applying to the Eastland-Fairfield Career and Technical Schools. Visit Eastland-Fairfield. Take more CCP classes. Update resume. Meet with a guidance counselor.

**Grade 11:** Students complete *My Plan 11/12*. All students take the SAT. Sign-up for the ACT, too. Use the assessments in the OMJ Backpack to prepare for the SAT, ACT, and other tests. Visit colleges. Begin an internship or apprenticeship. Consider a career in the U.S. Military. Work on your OMJ Backpack. Update resume. Meet with a guidance counselor.


**Grade 12:** Update *My Plan 11/12*. Complete the FAFSA and college applications. Request recommendations and transcripts. Update resume. Complete all OMJ Backpack work and wrap-up all work Pathways activities from previous grades.

# OHIO MEANS JOBS BACKPACK


<https://jobseeker.k-12.ohiomeansjobs.monster.com/seeker.aspx>




EXPLORE IT   PLAN IT   FUND IT   FIND IT

Ranger Roy  **BACKPACK**

Enter job title   Enter keywords   in   Enter job location   OH   **SEARCH JOBS**






 **Welcome, Ranger Roy**  
Hamilton Township High School  
[Edit your account](#)

[EMAIL](#) [PRINT](#)

**TAKE THE GUIDED TOUR** 

## Career Cluster Inventory




TOP 5 RANKED CAREER CLUSTERS

Information Technology		15
Arts and Communication		8
Hospitality and Tourism		6
Education and Training		5
Law and Public Safety		5

[VIEW RESULTS](#)











## Career Plans

3 OF 5 CAREER PLANS

Editors Updated 3/3/2015	100 % complete	
Secondary School Teachers Updated 3/3/2015	100 % complete	
Audio & Video Equipment Technicians Updated 3/3/2015	100 % complete	

## Careers I'm Interested In

10 OF A MAXIMUM 10 OCCUPATIONS

- Education Administrators, Elementary & Secondary School 
- Education Administrators, Postsecondary 
- Secondary School Teachers 
- Instructional Coordinators 
- Instructional Designers & Technologists 
- Editors 
- Poets, Lyricists & Creative Writers 
- Computer & Information Systems Managers 
- Audio & Video Equipment Technicians 
- Chefs & Head Cooks 

[COMPARE](#) Select 2

## Resumes

PUBLIC RESUME   RATING

 **0** in the last 30 days

[MANAGE RESUMES](#)

# OHIO MEANS JOBS BACKPACK

[CREATE A NEW CAREER PLAN](#)

## Assessments and Training

COMPLETED ASSESSMENTS	SCORE	COMPLETION DATE
ACT® English Practice Test 1	32/36	3/3/2015
SAT® Critical Reading Practice Test 1	760/800	3/3/2015
Firefighter Practice Test 1	92/100	3/3/2015

[VIEW TESTS](#)

## Programs I'm Interested In

### OHIO-BASED EMPLOYMENT PROGRAMS

State Share of Instruction (SSI)

[OhioMeansJobs.com](#)

iLearn Ohio (previously Ohio Learning Network) - Digital education

Choose Ohio First Scholarship

Career Based Intervention (CBI)

## Schools I'm Interested In

5 OF A POSSIBLE 10 SCHOOLS AND PROGRAMS

### Ohio State University-Main Campus

Program: English Language and Literature, General  
Occupation: Secondary School Teachers, Except Special and Career/Technical Education ×

### Ohio Dominican University

Program: English Language and Literature, General  
Occupation: Secondary School Teachers, Except Special and Career/Technical Education ×

### Miami University-Oxford

Program: English Language and Literature, General  
Occupation: Secondary School Teachers, Except Special and Career/Technical Education ×

### Muskingum University

Program: English Language and Literature, General  
Occupation: Secondary School Teachers, Except Special and Career/Technical Education ×

### Capital University

Program: English Language and Literature, General  
Occupation: Secondary School Teachers, Except Special and Career/Technical Education ×

If you're looking at schools, you can save up to ten here. Look for a school by clicking the "Education and Training" link on an occupation page.

[SEARCH OCCUPATIONS](#)

## Scholarships I'm Interested In

10 OF 50 SCHOLARSHIPS

CollegeSTEPS Sweepstakes

E-waste Scholarship

\$1,000 CollegeWeekLive Scholarship Giveaway

Delete Cyberbullying Scholarship Award

CKSF Scholarship Competition

You can view and manage your saved scholarships here. To find additional opportunities for educational assistance, click the "Search Scholarships" link on your Saved Scholarships page.

[VIEW SCHOLARSHIPS](#)

## For your Job Search

SAVED SEARCHES

**10** of possible  
10 searches

[VIEW SEARCHES](#)

JOBS I'VE SAVED

**10** of possible  
50 saved jobs 

[VIEW JOBS](#)

JOBS I'VE APPLIED TO

**0** in the  
last 30 days 

[VIEW JOBS](#)

## Documents

LATEST 5 OF MAXIMUM 15 DOCUMENTS

[VIEW ALL DOCUMENTS](#)

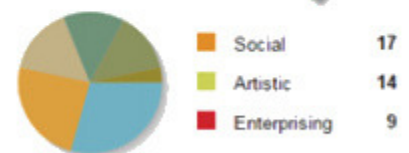
## Target Salary

**\$32,361**

Based on your expenses.

[VIEW / EDIT EXPENSES](#)

## Career Profile



[VIEW / EDIT RESULTS](#)

AGRICULTURAL TECHNICIAN

ANIMAL BREEDER

ANIMAL SCIENTIST

ANIMAL TRAINER

AQUACULTURAL MANAGER

FALLER

FARM & RANCH MANAGER

FARM EQUIPMENT MECHANIC  
& SERVICE TECHNICIAN

FARMWORKER & LABORER, CROP

FARMWORKER, FARM, RANCH,  
& AQUACULTURAL

ANIMAL FIRST-LINE SUPERVISOR  
OF AGRICULTURAL CROP

HORTICULTURAL WORKER

FIRST-LINE SUPERVISOR  
OF ANIMAL HUSBANDRY

ANIMAL CARE WORKER

FIRST-LINE SUPERVISOR  
OF AQUACULTURAL WORKERS

FIRST-LINE SUPERVISOR  
OF LOGGING WORKERS

FISHER - RELATED FISHING WORKER  
FOOD SCIENCE TECHNICIAN

FOREST & CONSERVATION WORKER

HUNTER - TRAPPER

NURSERY & GREENHOUSE  
MANAGER/WORKER

PESTICIDE HANDLER, SPRAYER, &  
APPLICATOR, VEGETATION

# AGRICULTURE AND ENVIRONMENTAL SYSTEMS



## Farming, Forestry, Fishing & Hunting

People in these occupations raise plants and animals as sources for food and shelter. They also focus on selling and making products from plants and animals. They may provide advice and services that farmers and ranchers need to improve products. They may work to conserve natural resources and protect the environment.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt

### Required

Personal Finance

### Recommended

Environmental Science  
Healthy and Safe Foods

## SUGGESTED ACTIVITIES

- Job Shadowing
- Internship
- Apprenticeship



- Landscape Design and Management
- Environmental Science [Satellite Program at New Albany HS]



# College Credit Plus

## Industry Credentials

## Partners

# College Credit Plus

Landscape Design  
& Management

COURSE		CREDIT
LAND 1160	Landscape Principles	2
LAND 1165	Landscape Survey	1
LAND 1565	Landscape Graphics	2
HORT 1130	Plant Sciences	3
ENGL 1100	Composition I	3



This is the recommended course pathway for gaining college credit while in high school through Columbus State, our college partner. Through the College Credit Plus program you can take free courses for credit through any Ohio community college or university.



# Industry Credentials

CREDENTIAL TEST                      POINTS

Ohio Certification Nursery Technician	4-12
NCCER Level 1	6
HAZWOPER [multiple certifications]	1-6
OSHA 10 or 20-Hour Training / CPR First Aid	1 each

One pathway to graduation is earned through preparing for and passing tests that are aligned with skills in this pathway. You can graduate when you earn 20.5 credits, 12 points on the tests in this career field, and you pass the WorkKeys assessment.



TELECOMMUNICATIONS EQUIPMENT  
INSTALLERS AND REPAIRERS

GRAPHIC DESIGNERS

COMPUTER USER  
SUPPORT SPECIALISTS

INFORMATION SECURITY ANALYSTS

PREPRESS TECHNICIANS AND WORKERS

COMPUTER AND INFORMATION  
SYSTEMS MANAGERS

WEB DEVELOPERS

SOFTWARE DEVELOPERS  
(APPLICATIONS)

COMPUTER NETWORK ARCHITECTS

SOFTWARE DEVELOPERS  
(SYSTEMS SOFTWARE)

DATABASE ADMINISTRATORS

ELECTRONICS ENGINEERS

TECHNICAL WRITERS

COMPUTER PROGRAMMERS

ENERGY BROKERS BROADCAST

NEWS ANALYSTS RADIO AND  
TELEVISION ANNOUNCERS

ACTORS

CAMERA OPERATORS

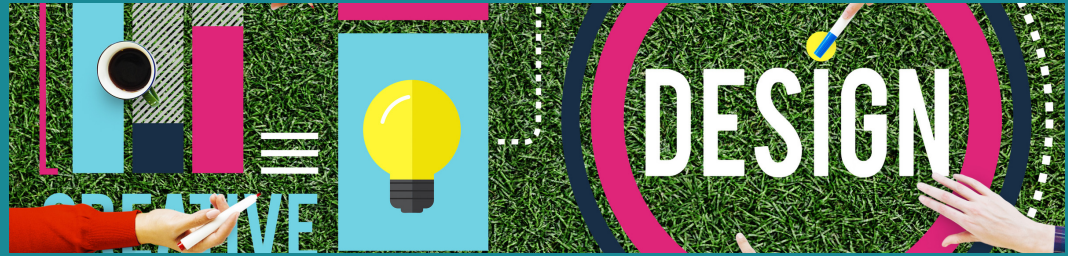
COPY WRITERS

AUDIO AND VIDEO  
EQUIPMENT TECHNICIANS

TELECOMMUNICATIONS LINE  
INSTALLERS  
AND REPAIRERS

GREEN MARKETERS

# ARTS AND COMMUNICATIONS



## Information, Technology, Media, and Communication

People in these occupations are performers and artists. They may work behind the scenes to make the performance or publication happen. They use creativity, talent, and technical skills. They can produce and distribute information and cultural products; provide the means to transmit or distribute products as well as data or communications; and process data.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt

### Required

Personal Finance

### Recommended

Web Page Design  
Creative Writing  
Web Page Design  
Modern Communications  
Business and Tech in 21st Century  
Any third HTHS science course

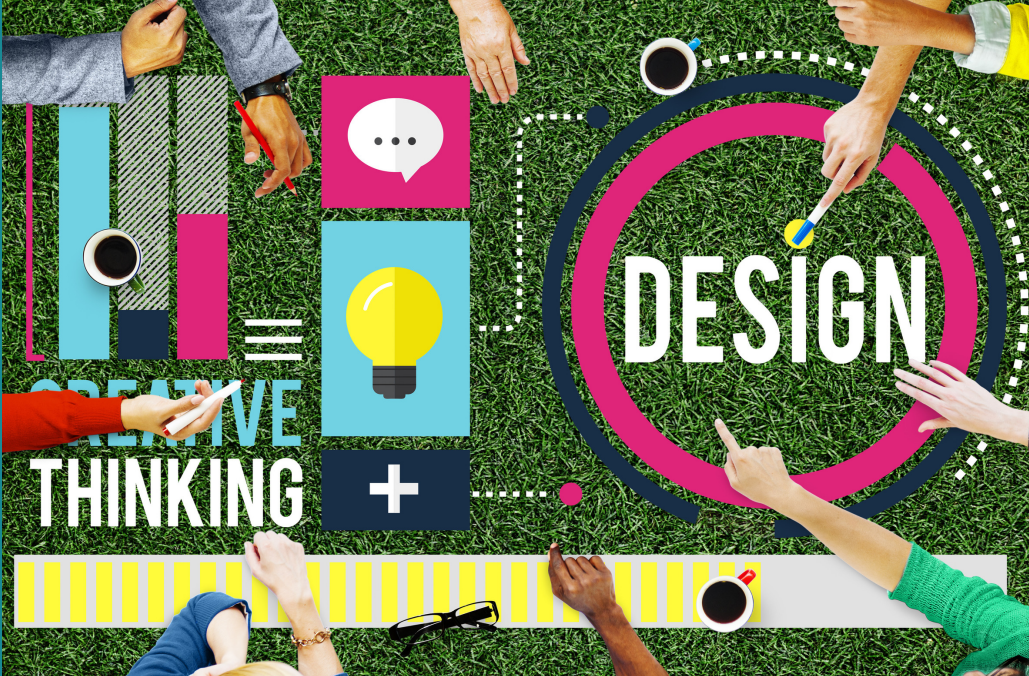
## SUGGESTED ACTIVITIES

- Job Shadowing
- Internship
- Apprenticeship

 **Eastland-Fairfield**  
Career & Technical Schools

- Graphic Design College Tech Prep [Eastland Career Center]
- Performing Arts [Satellite Program at Reynoldsburg HS]





# College Credit Plus

## Industry Credentials

## Partners

### College Credit Plus

Digital Design and Graphics

COURSE		CREDIT
DDG 1100	Introduction to Computer Design	3
DDG 1101	Survey of Digital Design	3
ENGL 1100	Composition I	3
MATH 1116	Math for Liberal Arts	3



This is the recommended course pathway for gaining college credit while in high school through Columbus State, our college partner. Through the College Credit Plus program you can take free courses for credit through any Ohio community college or university.



One pathway to graduation is earned through preparing for and passing tests that are aligned with skills in this pathway. You can graduate when you earn 20.5 credits, 12 points on the tests in this career field, and you pass the WorkKeys assessment.

### Industry Credentials

CREDENTIAL TEST	POINTS
Adobe Tools [multiple certifications]	4-12
PrintEd	4
ProTools	4-12
OSHA 10 or 20-Hour Training / CPR First Aid	1 each



ACTUARY

COMPENSATION & BENEFITS MANAGER

COMPUTER & INFORMATION  
SYSTEMS MANAGER

COMPUTER NETWORK ARCHITECT

COMPUTER SYSTEMS ANALYST

CREDIT ANALYST

CUSTOMER SERVICE REPRESENTATIVE

ENERGY BROKER

FINANCIAL ANALYST

FINANCIAL MANAGER

FIRST-LINE SUPERVISOR OF  
HOUSEKEEPING AND JANITORIAL

FOOD SCIENTIST

HELPER—PRODUCTION WORKER

HUMAN RESOURCE MANAGER

INDUSTRIAL TRUCK  
& TRACTOR OPERATOR

INSURANCE CLAIMS CLERK

MARKETING MANAGER

OFFICE CLERK

OPERATIONS RESEARCH ANALYST

PACKAGING & FILLING  
MACHINE OPERATOR - TENDER

PRECISION AGRICULTURE TECHNICIAN

SALES AGENT

TEAM ASSEMBLER

TREASURER

WHOLESALE & RETAIL BUYER

# BUSINESS AND ADMINISTRATIVE SYSTEMS



## Administration, Management, Finance, & Insurance

People in these occupations keep a business running. They direct the operations of a business. They may keep track of the expenses and income. Some make sure that a business has qualified employees who are trained to do their jobs. Others take care of daily tasks to meet customer needs and keep things organized.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt

### Required

Personal Finance

### Recommended

Business Management  
Business and Tech in 21st Century  
Any third HTHS science course



## SUGGESTED ACTIVITIES

- Job Shadowing
- Internship
- Apprenticeship



- Graphic Design College Tech Prep [Eastland Career Center]
- Medical Office Technologies [Eastland Career Center]
- Marketing and Logistics Management [Eastland Career Center]





# College Credit Plus Industry Credentials Partners

## College Credit Plus

Business  
Management

COURSE		CREDIT
FMGT 1101	Personal Finance	3
ENGL 1100	Composition I	3
CSCI 1101	Computer Concepts & Applications	3
BMGT 1101	Principles of Business	3
BMGT 1102	Interpersonal Skills	2



This is the recommended course pathway for gaining college credit while in high school through Columbus State, our college partner. Through the College Credit Plus program you can take free courses for credit through any Ohio community college or university.



One pathway to graduation is earned through preparing for and passing tests that are aligned with skills in this pathway. You can graduate when you earn 20.5 credits, 12 points on the tests in this career field, and you pass the WorkKeys assessment.

## Industry Credentials

CREDENTIAL TEST	POINTS
Microsoft Office Specialists [multiple certifications]	3 each
OSHA 10-Hour Training	1
OSHA 30-Hour Training	1
CPR First Aid	1



BRICKMASONS AND BLOCKMASONS

CONSTRUCTION CARPENTERS

CONSTRUCTION LABORER

CONSTRUCTION MANAGERS

CONTROL AND VALVE INSTALLERS  
AND REPAIRERS

ELECTRICAL POWER-LINE INSTALLERS  
AND REPAIRERS

ELECTRICIANS

FIRE-PREVENTION  
AND PROTECTION ENGINEERS

FIRST-LINE SUPERVISORS OF  
CONSTRUCTION TRADES AND  
EXTRACTION WORKERS

HEATING AND AIR CONDITIONING  
MECHANICS AND INSTALLERS

INDUSTRIAL SAFETY  
AND HEALTH ENGINEERS

MILLWRIGHTS

MOBILE HEAVY EQUIPMENT MECHANICS

OPERATING ENGINEERS AND OTHER  
CONSTRUCTION EQUIPMENT

PIPE FITTERS AND STEAMFITTERS

PLUMBERS

PRODUCT SAFETY ENGINEERS

REFRIGERATION MECHANICS  
AND INSTALLERS

ROUGH CARPENTERS

SOLDERS AND BRAZERS

WELDERS, CUTTERS, AND  
WELDER FILTERS

# CONSTRUCTION



## Construction Technologies

People in these occupations are responsible for designing and constructing buildings and other structures such as highways and bridges. They may also take care of, repair, and restore existing structures.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt



### Recommended

Three-Dimensional  
Design Sculpture/Ceramics  
Homeowner's Ed  
Fundamentals of Technology  
Advanced Tech I, II, III  
Any third HTHS science course

### Required

Personal Finance

## SUGGESTED ACTIVITIES

- Job Shadowing
- Pre-Apprenticeship Program with:



- Architecture/Construction Management [Satellite Program at Gahanna-Lincoln HS]
- Construction Technologies [Fairfield Career Center]
- Electrical Technologies [Eastland Career Center]
- HVAC & Refrigeration [Fairfield Career Center]



# College Credit Plus

# Industry Credentials

# Partners

## College Credit Plus

Construction Management



This is the recommended course pathway for gaining college credit while in high school through Columbus State, our college partner. Through the College Credit Plus program you can take free courses for credit through any Ohio community college or university.

COURSE	CREDIT
CMGT 1105 Construction Documents	3
CMGT 1115 Construction Methods	3
CMGT 1121 Construction Drawings	3
CIVL 1120 Construction Material Science	3
ENGL 1100 Composition I	3



## Industry Credentials

CREDENTIAL TEST POINTS

One pathway to graduation is earned through preparing for and passing tests that are aligned with skills in this pathway. You can graduate when you earn 20.5 credits, 12 points on the tests in this career field, and you pass the WorkKeys assessment.

HVAC Universal; Electronics; Journeyman	12
Electrical Trades Pre-Apprenticeship Program	12
AutoCAD; NCCER Core; HAZWOPER	6
OSHA 10 or 30-Hour Training / CPR First Aid	1 each

Also CCP



ADAPTED PHYSICAL  
EDUCATION SPECIALISTS

ART, DRAMA, AND MUSIC TEACHERS,  
POSTSECONDARY

BUS DRIVERS, SCHOOL OR  
SPECIAL CLIENT

BUSINESS CONTINUITY PLANNERS

CHILD, FAMILY, AND  
SCHOOL SOCIAL WORKERS

COACHES AND SCOUTS

DATABASE ADMINISTRATORS

EDUCATION ADMINISTRATORS,  
PRESCHOOL AND CHILDCARE  
CENTER/PROGRAM

EDUCATIONAL, GUIDANCE, SCHOOL,  
AND VOCATIONAL COUNSELORS

ENERGY AUDITORS

EXECUTIVE SECRETARIES AND  
EXECUTIVE ADMINISTRATIVE  
ASSISTANT

INTERPRETERS AND TRANSLATORS

NETWORK AND COMPUTER  
SYSTEMS ADMINISTRATORS

NURSING INSTRUCTORS  
AND TEACHERS, POSTSECONDARY

OCCUPATIONAL THERAPISTS

PUBLIC RELATIONS SPECIALISTS

REMOTE SENSING TECHNICIANS

SCHOOL TEACHERS

SPECIAL EDUCATION TEACHERS

SPEECH LANGUAGE PATHOLOGISTS

STATISTICIANS TRAINING AND  
DEVELOPMENT SPECIALISTS

# EDUCATION AND TRAINING



## Education, Business, and Administrative Services

People in these occupations help others to learn new knowledge and skills. They educate and instruct in many settings most often in schools, colleges, universities, and training centers.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt

### Required

Personal Finance

### Recommended

Sociology  
Modern Communications  
Debate  
Child Development  
Healthy Living  
Health and Advanced Health  
Web Page Design  
Any third HTHS science course

## SUGGESTED ACTIVITIES

- Job Shadowing
- Internship
- Apprenticeship



- Teaching Professions [Satellite Program at Gahanna Lincoln HS]





# College Credit Plus

## Industry Credentials

## Partners

# College Credit Plus

Early Childhood Dev & Education

COURSE		CREDIT
ECDE 1101	Early Childhood Curriculum	3
ECDE 1105	Social, Emotional, Dev & Curriculum	3
ENGL 1100	Composition I	3
PSY 1100	Introduction to Psychology	3



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One pathway to graduation is earned through preparing for and passing tests that are aligned with skills in this pathway. You can graduate when you earn 20.5 credits, 12 points on the tests in this career field, and you pass the WorkKeys assessment.

# Industry Credentials

CREDENTIAL TEST	POINTS
Child Development Associate Credential (CDA)	12
OSHA 10-Hour Training	1
OSHA 30-Hour Training	1
CPR First Aid	1



# ENGINEERING AND SCIENCE TECHNOLOGIES



## Professional, Science, and Technical

People in these occupations may do scientific research in laboratories or the field. They may also help in the planning or design of products and systems. They may provide technical support to the scientists, mathematics, and engineers.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt

### Required

Personal Finance

### Recommended

Graphic Design Chemistry [All upper level sciences]



## SUGGESTED ACTIVITIES

- Job Shadowing
- Internship
- Apprenticeship



- Bioscience Technologies [Satellite Program at Gahanna Lincoln HS]

# College Credit Plus

# Industry Credentials

# Partners



## College Credit Plus

Digital Design  
and Graphics

COURSE		CREDIT
MECH 1150	Manufacturing Materials & Processes	3
ENGT 1115	Engineering Graphics	3
ITST 1101	Industrial Applications & Software	2
MATH 1113	Technical Mathematics	5



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One pathway to graduation is earned through preparing for and passing tests that are aligned with skills in this pathway. You can graduate when you earn 20.5 credits, 12 points on the tests in this career field, and you pass the WorkKeys assessment.

## Industry Credentials

CREDENTIAL TEST	POINTS
Ohio Pressure Boiler Licenses; Steam Engineer	12
Power Engineer; NICET Level II Cert; ASQ Quality Inspector	12
AutoCAD Pro; CSWP; Fanuc; Motoman; NCCER	6
AutoCAD User; Certified Solid Works Associate	1



ALLERGISTS AND IMMUNOLOGISTS

ANESTHESIOLOGIST

DENTAL ASSISTANTS AND HYGIENISTS

DERMATOLOGISTS

EMERGENCY TECHNICIANS  
AND PARAMEDICS

FAMILY AND GENERAL PRACTITIONERS

INTERPRETERS AND TRANSLATORS

MEDICAL AND CLINICAL  
LAB TECHNICIANS

MEDICAL AND HEALTH SERVICES  
MANAGERS

MEDICAL ASSISTANTS

MEDICAL RECORDS AND HEALTH  
INFORMATION TECHNICIANS

MEDICAL SECRETARIES

MENTAL HEALTH COUNSELORS

NEUROLOGISTS

OCCUPATIONAL THERAPY ASSISTANTS

OPHTHALMOLOGISTS

PHARMACY TECHNICIANS

PHLEBOTOMISTS

PREVENTIVE MEDICINE

PHYSICIANS

RADIOLOGISTS

REGISTERED NURSES

REHABILITATION COUNSELORS

SPORTS MEDICINE PHYSICIANS

SURGEONS

# HEALTH



## Health Science, Care, and Counseling

People in these occupations use medical knowledge and skills. They check the health of patients and correct problems with surgery, treatment, or therapy. Some carry out treatments, therapies, and tests approved by doctors. They may do record keeping and other support activities such as social assistance.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt

### Recommended

Health Advanced Health Healthy  
Living Healthy and Safe Foods Child  
Development Sociology Chem I and  
Chem II AP Biology

### Required

Personal Finance

## SUGGESTED ACTIVITIES

- Job Shadowing
- Internship
- Apprenticeship



- Dental Assisting [Eastland and Fairfield Career Centers]
- Exercise Science [Eastland Career Center]
- Pre-Nursing [Fairfield Career Center]







# College Credit Plus

# Industry Credentials

# Partners

## College Credit Plus

Nursing

COURSE		CREDIT
NURS 1140	Pharmacology Concepts in Nursing	1
NURS 1871	Fundamental Concepts of Nursing Care	6
MATH 1025	Quantitative Literacy	3
NURC 1104	Basic Care Skills	2



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## Industry Credentials

CREDENTIAL TEST	POINTS
AOA Paraoptometric Assistant	12
AHIMA Coding Specialists; AMT Phlebotomy Tech	12
AMT Dental Assistant; AMT Lab Tech	12
National Health Care (multiple certifications)	12



BAKERS  
BARISTAS

CASHIERS

CHEFS AND HEAD COOKS

CONCIERGES COOKS, RESTAURANT

COOKS, SHORT ORDER

DISHWASHERS

DRIVERS/SALES WORKERS

FIRST-LINE SUPERVISORS OF FOOD  
PREPARATION AND SERVING WORKERS

FIRST-LINE SUPERVISORS OF  
HOUSEKEEPING AND JANITORIAL  
WORKERS

FOOD SERVICE MANAGERS

GAMING CHANGE PERSONS AND SERVING  
WORKERS, INCLUDING  
FAST FOOD

GAMING MANAGERS

GAMING SUPERVISORS

GAMING SURVEILLANCE OFFICERS AND  
GAMING INVESTIGATORS

HOSTS AND HOSTESSES, RESTAURANT,  
LOUNGE, AND COFFEE SHOP

HOTEL, MOTEL, AND RESORT  
DESK CLERKS

LAUNDRY AND DRY-CLEANING  
WORKERS

LODGING MANAGERS

MAIDS AND HOUSEKEEPING CLEANERS

MEETING, CONVENTION,  
AND EVENT PLANNERS

PUBLIC ADDRESS SYSTEM AND  
OTHER ANNOUNCERS

# HOSPITALITY AND TOURISM



## Hotel and Food

People in these occupations work to satisfy the needs and wants of customers. They might take orders or prepare food in a restaurant. They might clean rooms in a hotel or supervise employees. They might guide students on a trip to another country.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt

### Required

Personal Finance

### Recommended

Sociology  
History of My Generation  
Spanish or French  
Healthy and Safe Foods  
Healthy Living  
Child Development  
Fashion and Interior  
Design Global History and Cultures  
Any third HTHS science course

## SUGGESTED ACTIVITIES

- Job Shadowing
- Internship
- Apprenticeship



- Culinary Arts Academy [Eastland Career Center]



# College Credit Plus

## Industry Credentials

## Partners



# College Credit Plus

Hotel, Tourism, and Event Management

COURSE		CREDIT
HOSP 1145	Lodging Operations	3
HOSP 1154	Tourism Geography	3
ENGL 1100	Composition I	3
MATH 1104	Math Concepts for Business	3



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# Industry Credentials

CREDENTIAL TEST POINTS

One pathway to graduation is earned through preparing for and passing tests that are aligned with skills in this pathway. You can graduate when you earn 20.5 credits, 12 points on the tests in this career field, and you pass the WorkKeys assessment.

ANFP - Certified Dietary Manager (CDM)	12
ACF - Certified Culinarian (CC)	9
ProStart Certificate of Achievement	9
ServSafe	3



## ADMINISTRATIVE SERVICES MANAGERS

ALLERGISTS AND IMMUNOLOGIST

BILL AND ACCOUNT COLLECTORS

EMERGENCY MEDICAL TECHNICIANS  
AND PARAMEDICS

FAMILY AND GENERAL PRACTITIONERS

FIRST-LINE SUPERVISORS OF OFFICE  
AND ADMIN SUPPORT WORKERS

HEALTH CARE SOCIAL WORKERS

HUMAN RESOURCES MANAGER

MEDICAL AND HEALTH  
SERVICES MANAGER

MEDICAL ASSISTANTS

MEDICAL RECORDS AND HEALTH  
INFORMATION TECHNICIANS

MEDICAL SECRETARIES

MENTAL HEALTH AND SUBSTANCE  
ABUSE SOCIAL WORKERS

MENTAL HEALTH COUNSELORS

OCCUPATIONAL THERAPY ASSISTANTS

OFFICE CLERKS, GENERAL

OPHTHALMIC MEDICAL  
TECHNOLOGISTS

OPHTHALMOLOGISTS

PHARMACISTS

PHARMACY TECHNICIANS

PREVENTIVE MEDICINE PHYSICIANS

RADIOLOGIST

REGISTERED NURSES

UROLOGISTS

# HUMAN SERVICES



## Health Care and Counseling

People in these occupations work with individuals and families to meet their personal needs. They might provide mental health care in hospitals, clinics, schools, or private offices. They might care for people who are elderly or disabled. They might give manicures, pedicures, or scalp and facial treatments.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt

### Required

Personal Finance

### Recommended

Sociology  
Healthy and Safe Foods  
Any third HTHS science course

## SUGGESTED ACTIVITIES

- Job Shadowing
- Internship
- Apprenticeship



- Cosmetology [Eastland and Fairfield Career Centers]



# College Credit Plus

## Industry Credentials

## Partners

# College Credit Plus

Health Information  
Management Tech

	COURSE	CREDIT
HIMT 1111	Introduction to HIM	2
HIMT 1133	Legal Aspects of Health Information	2
HIMT 1135	Health Data Management	3
CSCI 1001	Computer Fundamentals	2
ENGL 1100	Composition I	3



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# Industry Credentials

CREDENTIAL TEST      POINTS

Ohio State Board of Cosmetology - Esthetician	12
Ohio State Board of Cosmetology - License of Cosmetology	12
Ohio State Board of Cosmetology - Managing Cosmetologist	12
Ohio State Board of Cosmetology - Manicurist	12

One pathway to graduation is earned through preparing for and passing tests that are aligned with skills in this pathway. You can graduate when you earn 20.5 credits, 12 points on the tests in this career field, and you pass the WorkKeys assessment.



ACTORS

AUDIO AND VIDEO  
EQUIPMENT TECHNICIANS

BROADCAST NEWS ANALYSTS

CAMERA OPERATORS, TELEVISION,  
VIDEO, AND MOTION PICTURE

COMPUTER AND INFORMATION  
SYSTEMS MANAGERS

COMPUTER NETWORK  
SUPPORT SPECIALISTS

COMPUTER NETWORK ARCHITECTS

COMPUTER PROGRAMMERS

COMPUTER USER  
SUPPORT SPECIALISTS

COPY WRITERS

DATABASE ADMINISTRATORS

ELECTRONICS ENGINEERS

ENERGY BROKERS

GRAPHIC DESIGNERS

INFORMATION SECURITY ANALYSTS

NETWORK AND COMPUTER  
SYSTEMS ADMINISTRATORS

PREPRESS TECHNICIANS AND WORKERS

RADIO AND TELEVISION ANNOUNCERS

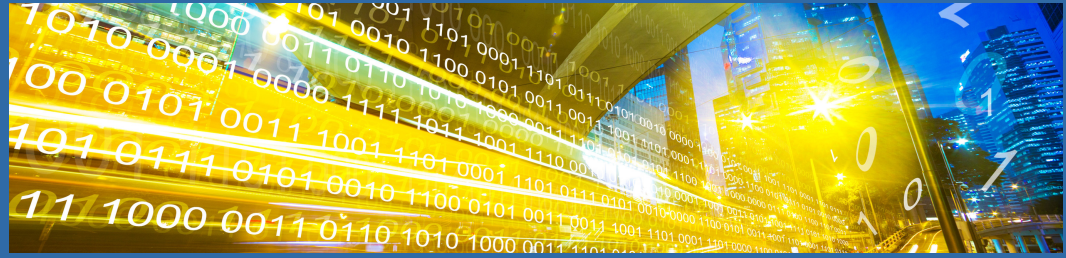
SALES ENGINEERS

SOFTWARE DEVELOPERS  
(SYSTEMS SOFTWARE)

SOFTWARE DEVELOPERS  
(APPLICATIONS)

TELECOMMUNICATIONS EQUIPMENT  
INSTALLERS AND REPAIRERS

# INFORMATION TECHNOLOGIES



## Information Technology, Media, and Communication

People in these occupations work with computer hardware, software, multimedia, and network systems. They might design new computer equipment or computer games. They might make sure that the software or networks are working correctly. They might make sure that people know how to use the technology.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt

### Required

Personal Finance



### Recommended

Modern Communications  
Web Page Design  
Graphic Design  
Business and Tech in 21st Century  
Physics

## SUGGESTED ACTIVITIES

- Job Shadowing
- Internship
- Apprenticeship



- Computer & Network Support Tech [Fairfield Career Center]
- Interactive Media [Eastland Career Center]
- Multimedia [Satellite Program at North Pickerington HS]
- Programming & Software Dev. [Eastland Career Center]

# College Credit Plus

## Industry Credentials

## Partners



# College Credit Plus

Information Tech Support

COURSE

CREDIT

ITST 1101	Industrial Applications and Software	2
ITST 1102	Industrial Network Communications	2
BMGT 1101	Principals of Business	3
BMGT 1102	Interpersonal Skills	2
BMGT 1111	Management	3



This is the recommended course pathway for gaining college credit while in high school through Columbus State, our college partner. Through the College Credit Plus program you can take free courses for credit through any Ohio community college or university.



# Industry Credentials

CREDENTIAL TEST

POINTS

One pathway to graduation is earned through preparing for and passing tests that are aligned with skills in this pathway. You can graduate when you earn 20.5 credits, 12 points on the tests in this career field, and you pass the WorkKeys assessment.

Certified Information Systems Security (CISSP)	12
CISCO Associate or Professional [multiple certifications]	12
Microsoft, Oracle, CompTIA, ITIL (various certifications)	6-12
Adobe, ProTools, Microsoft, IC3 (various certifications)	3-6



ARCHITECTURAL AND  
ENGINEERING MANAGERS

COMPUTER SYSTEMS  
ENGINEERS/ARCHITECTS

CORONERS

CUSTOMS BROKERS

EQUAL OPPORTUNITY  
REPRESENTATIVE AND OFFICERS

FIRE-PREVENTION AND

PROTECTION ENGINEERS

FIREFIGHTER

FIRST-LINE SUPERVISORS OF  
TRANSPORTATION AND MATERIAL-  
MOVING MACHINE AND VEHICLE  
OPERATOR

LAWYERS

LICENSING EXAMINERS  
AND INSPECTORS

LOGISTICIANS

LOGISTICS MANAGERS

LOSS PREVENTION MANAGERS

MAINTENANCE AND REPAIR  
WORKERS, GENERAL

OPERATING ENGINEERS AND OTHER  
CONSTRUCTION EQUIPMENT  
OPERATORS

OPERATIONS RESEARCH ANALYSTS

POLICE OFFICER

PRODUCT SAFETY ENGINEERS

SECURITY MANAGERS

WIND ENERGY ENGINEERS

# LAW AND PUBLIC SAFETY



## Government and Public Administration, Law and Safety

People in these occupations guard the public by enforcing the law. They might provide fire protection and security. They might give legal services to people who commit crimes or are victims of crimes.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt

### Required

Personal Finance

### Recommended

Sociology  
Advanced Health  
Basic Weight Training Integrated  
Performance Training Any third  
HTHS science course

Coming in 2019: On-campus Medic Training with the Hamilton Township Fire Department and Ohio Health; Class of 5 students; Must apply for acceptance

## SUGGESTED ACTIVITIES

- Job Shadowing, exploration, or Internship with:

Village of Obetz  
Obetz Police Department  
HT Fire Department



- Graphic Design College Tech Prep [Eastland Career Center]
- Medical Office Technologies [Eastland Career Center]
- Marketing and Logistics Management [Eastland Career Center]







# College Credit Plus

# Industry Credentials

# Partners

## College Credit Plus

COURSE		CREDIT
FIRE 1121	Firefighter I	7
FIRE 1122	Firefighter II	5
ENGL 1100	Composition I	3

Firefighter



This is the recommended course pathway for gaining college credit while in high school through Columbus State, our college partner. Through the College Credit Plus program you can take free courses for credit through any Ohio community college or university.



## Industry Credentials

CREDENTIAL TEST      POINTS

One pathway to graduation is earned through preparing for and passing tests that are aligned with skills in this pathway. You can graduate when you earn 20.5 credits, 12 points on the tests in this career field, and you pass the WorkKeys assessment.

EMT - Basic, Paramedic, Firefighter I and II	12
HAZWOPER, Private Security, Telecom, Incident	4
Med Dispatch, Fire or Law Communications	2
Taser, Baton, or Pepper Spray	1



# MANUFACTURING



## Manufacturing Technology

People in these occupations may design a new product or determine how the product will be made. They may make the product. They might install or repair the product once it has been purchased.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt

### Required

Personal Finance

### Recommended

Fundamentals of Technology  
Homeowners Education  
Advanced Tech I, II, III  
Engineering  
Drawing  
Earth Science  
Physics  
Chem I

## SUGGESTED ACTIVITIES

- Job Shadowing
- Internship
- Apprenticeship



- Pre-Engineering Technologies [Eastland Career Center]
- Welding [Eastland Career Center]



AEROSPACE ENGINEERING  
AND OPERATIONS TECHNICIANS

BIOMEDICAL ENGINEERS

CHEMICAL EQUIPMENT OPERATORS  
AND TENDERS

CHEMICAL PLANT AND  
SYSTEM OPERATORS

ENERGY ENGINEERS

FIRE-PREVENTION AND  
PROTECTION ENGINEERS

FIRST-LINE SUPERVISORS OF HELPERS,  
LABORERS, AND MATERIAL MOVERS  
(HAND)

FIRST-LINE SUPERVISORS OF  
PRODUCTION AND  
OPERATING WORKERS

MANUFACTURING  
PRODUCTION TECHNICIANS

MARKETING MANAGERS

MATERIALS ENGINEERS

MECHANICAL DRAFTERS

MECHANICAL ENGINEERING  
TECHNICIANS

PRODUCT SAFETY ENGINEERS

PRODUCTION, PLANNING, AND  
EXPEDITING CLERKS

SOLDERS AND BRAZERS TEAM

ASSEMBLERS

TRANSPORTATION MANAGERS

VALIDATION ENGINEERS

WIND ENERGY ENGINEERS



# College Credit Plus

## Industry Credentials

## Partners

### College Credit Plus

Mechanical Engineering



This is the recommended course pathway for gaining college credit while in high school through Columbus State, our college partner. Through the College Credit Plus program you can take free courses for credit through any Ohio community college or university.

COURSE		CREDIT
MECH 1150	Manufacturing Materials & Processes	3
ENGT 1115	Engineering Graphics	3
ITST 1101	Industrial Applications & Software	2
MATH 1113	Technical Mathematics	5



### Industry Credentials

CREDENTIAL TEST POINTS

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American Welding Society (AWS) Welder or Inspector	12
NIMS Machining (Levels 1-3)	12
AutoCAD, CSWP, FANUC, Motoman, NCCR	6
OSHA 10 or 30-Hour Training / CPR First Aid	1 each



# TRANSPORTATION



## Transportation and Storage

People in these occupations move people and products by road, air, rail, or water. They may drive or pilot different means of transportation. They may repair and maintain the vehicles, trains, planes, and ships to keep people and products moving. They may work behind the scenes to make sure the products and people get to the right place on time.

<http://omj.ohio.gov/>

## PATHWAY COURSES

### Core

English I, II, III, IV  
Alg I, Geom, Alg II, Pre-Calc or Stats  
Phys Sci, Bio I  
World Hist, Am Hist, Govt

### Required

Personal Finance

### Recommended

Fundamentals of Technology  
Homeowners Education  
Advanced Tech I, II, III  
Engineering  
Drawing  
Earth Science  
Any third HTHS science course

## SUGGESTED ACTIVITIES

- Job Shadowing
- Internship
- Apprenticeship



- Agriculture & Heavy Equipment Tech [Eastland Career Center]
- Auto Technology [Eastland and Fairfield Career Centers]



AIRCRAFT CARGO  
HANDLING SUPERVISORS

AIRCRAFT MECHANICS AND  
SERVICE TECHNICIANS

AVIONICS TECHNICIANS

BAGGAGE PORTERS AND BELLHOPS

BUS AND TRUCK MECHANICS  
AND DIESEL SPECIALISTS

BUS DRIVERS, SCHOOL OR  
SPECIAL CLIENT

FIRST-LINE SUPERVISORS OF HELPERS,  
LABORERS, AND MATERIAL MOVERS

FIRST-LINE SUPERVISORS OF  
TRANSPORTATION AND MATERIAL-  
MOVING MACHINE AND VEHICLE  
OPERATORS

HEAVY AND TRACTOR-TRAILER  
TRUCK DRIVERS

INDUSTRIAL TRUCK AND  
TRACTOR OPERATORS

LIGHT TRUCK OR DELIVERY  
SERVICES DRIVER

LOCOMOTIVE ENGINEERS

LOGISTICS MANAGERS

MACHINE FEEDERS AND OFFBEARERS

PETROLEUM PUMP SYSTEM  
OPERATORS, RAIL CAR REPAIRERS

RAIL-TRACK LAYING AND  
MAINTENANCE EQUIPMENT OPERATORS

REFINERY OPERATORS, AND GAUGERS

RIGGERS

STORAGE AND DISTRIBUTION  
MANAGERS

TRANSPORTATION MANAGERS

# College Credit Plus

# Industry Credentials

# Partners



# College Credit Plus

Logistics Engineering  
Technology

## COURSE

## CREDIT

SCM 1100	Supply Chain Management Principles	3
MATH 1111	Discrete Math for Computing	3
ENGL 1100	Composition I	3
ESSH 1101	Intro to Environ Science, Safety, Health	3
BOA 1102	Excel I	2



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# Industry Credentials

## CREDENTIAL TEST

## POINTS

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ASE Specialties [multiple certifications]	3-12
FAA Mechanic Specialties [multiple certifications]	12
ICAR ProLevel 1 Refinishing Technician Certification	12
OSHA 10 or 20-Hour Training / CPR First Aid	1 each



# ANSWER THE CALL TO SERVE

U.S. Military Recruiters are available often throughout the year during lunch.



Navy - EMNI (SS) Eric Lee Krukowski  
614-202-5455  
eric.krukowski@navy.mil

Navy - FCA 1 Tony Caron  
614-878-6825  
anthony.caron@navy.mil

Air Force - Tech. Sgt. Richard Boutwell  
614-496-5112 richard.boutwell.1@us.af.mil

# ANSWER THE CALL TO SERVE

U.S. Military Recruiters are available often throughout the year during lunch.

Marines - Sgt. DeCarion Carson

304-550-6982

Decarion.Carson@marines.usmc.mil

Army - SSGT Patricia M. Morton

1-866-715-6459

Patricia.Morton@usarec.army.mil

Ohio National Guard - SFC Michael Mullen

614-266-4239

michael.wayne.mullen@us.army.mil



COLUMBUS STATE  
COMMUNITY COLLEGE



educational service center  
*of Central Ohio*



Eastland-Fairfield  
Career & Technical Schools



**LINCOLN**  
**ELECTRIC**



**CCT**  
CAPITOL CITY TRAILERS INC.



COLUMBUS IDEA FOUNDRY