



2021  

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2022

OMAHA PUBLIC SCHOOLS

# CAREER CENTER

*Pathways Booklet*

Connecting Today's Students  
with Tomorrow's Careers

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## ■ Technology Resources for Finding a Career Pathway

Students at Career Center create their own Student Career Plan with our Career Center Counselor. Please see your home high school counselor and set up your own **Naviance** accounts.



### Naviance Course Planner

A Reimagined Experience



**Naviance** is a college and career software platform that helps students reach their goals by providing college and career assessment tools. It also allows students to create a plan for their future by helping them discover their individual strengths, learning styles, and explore college and career options based on their results.

Starting in the 2021-2022 school year, Career Center’s application is digital! OPS High School students will receive an email with the application link. **Infinite Campus** will be used to assist course registration. The **Naviance Course Planner** tool will be implemented to assist course registration in future years.

Please have your home high school counselor confirm you were accepted into the desired Career Center course.

## ■ OPS Career Center Contact Information

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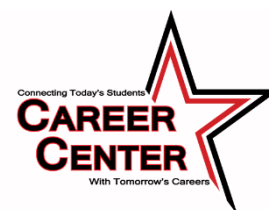


**Jeremy Nielsen**  
 Program Director

## ■ OPS Career Center Counseling & Nursing Contact Information

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## ■ Omaha Public Schools High School Information

**Benson High School**  
 531-299-2520

**Burke High School**  
 531-299-2580

**Bryan High School**  
 531-299-2540

**Central High School**  
 531-299-2660

**North High School**  
 531-299-3400

**Northwest High School**  
 531-299-2740

**South High School**  
 531-299-2780

**60<sup>th</sup> & L School**  
 531-299-TBD

**156<sup>th</sup> & Ida School**  
 531-299-TBD



## ■ Introduction and Definitions

Career Center uses the following state and nationally recognized terms to help guide students through the selection of coursework and to support their decision making in preparation for their postsecondary goals.

<b>Career Field:</b>	The six career fields identified by NDE that represent broad sectors of the job market on which students may choose to focus.
<b>Career Cluster:</b>	Each career field is composed of career clusters, the more specific segments of the labor market.
<b>Program of Study:</b>	Sequence of courses as defined by NDE that include career and technical education content.
<b>*Academy:</b>	Sequence of courses as defined by NDE Rule 47 that include a program of study with one or more academic courses, career development programs, career student organization chapter, work-based-learning, a process for student recruitment, qualified instructors, and a local advisory board.

Within each Career Center *Program of Study* the following terms are used to describe coursework and opportunities which align with that career area.

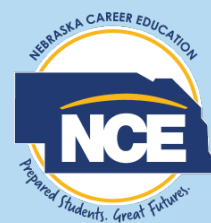
<b>Pathway Courses:</b>	Recommended sequence of courses which provide students opportunities to explore and develop skills within a specified area.
<b>Related Electives:</b>	Courses that provide students additional opportunities within the specified career area or opportunities to develop skills and knowledge in a closely related career area.
<b>Career Related Activities / CTSOs:</b>	Opportunities for student career exploration and/or skill development which may include Career & Technical Student Organizations (CTSO's) and the involvement of industry partners.
<b>Workplace Learning Experiences (WBL):</b>	Extended education opportunities in which students engage in authentic and relevant work aligned with a career pathway. These experiences allow students to participate in a professional work environment and assist with career skill development.
<b>College Credit:</b>	Opportunities for students to earn high school graduation credit and college credit aligned to a postsecondary degree program (i.e. Dual Enrollment, Credit by Exam, Credit from Experience).
<b>Certifications:</b>	Credentials awarded to students by an independent third-party verifying qualifications or competencies in a career skill area. Industry-recognized certifications are sought by employers as a recognized, preferred or required credential for recruitment, screening, hiring, retention or advancement purposes of their employees.
<b>Program Partners:</b>	Industry and Community partners from trades unions, private companies, or non-profits who are involved and supportive of a respective program.
<b>College Majors:</b>	Concentrations of education study focused on a career area that can lead to an associate, bachelor, master, or doctorate degree.
<b>Careers:</b>	Occupations which usually require training or formal education that are related to each program of study/pathway.

# ■ Career Pathway Example

Career Field	<b>Skilled and Technical Sciences</b>		
Program of Study	<b>Transportation, Distribution and Logistics</b>		
Career Cluster	<b>TDL – Technician (Automotive Academy)</b>		
Pathway Courses	<b>Pathway Courses</b>	<b>Related Courses</b>	Related Electives
	<p>Year 1</p> <ul style="list-style-type: none"> <li>Automotive 1</li> <li>Automotive 2</li> </ul> <p>Year 2</p> <ul style="list-style-type: none"> <li>Automotive 3</li> <li>Automotive 4</li> </ul> <p>Year 3</p> <ul style="list-style-type: none"> <li>Auto SYOP</li> <li>Auto SYOP</li> </ul>	<ul style="list-style-type: none"> <li>Auto Body Collision 1-2</li> <li>Welding 1 / 2</li> <li>Math, Modular Math</li> <li>English</li> <li>Personal Finance</li> </ul>	
Career Activities / CTSOs	<b>Career Related Activities/CTSO's</b>	<b>Program Industry Partners</b>	Program Partners
	<ul style="list-style-type: none"> <li>Skills USA</li> <li>Career Center – Student Career Plan</li> <li>Career Fair / Speaker Series</li> <li>Career Center Adulting 101 Event</li> <li>District Career Days/Nights</li> </ul>	<ul style="list-style-type: none"> <li>H &amp; H Chevrolet</li> <li>Baxter Auto</li> <li>Woodhouse Auto Family</li> <li>NMC</li> <li>Truck Center Companies</li> <li>NAPA Dist. Center</li> <li>MHC Kenworth</li> <li>RPM</li> </ul>	
Workplace Learning Experiences	<b>Workplace Learning Experiences</b>	<b>College Majors (examples)</b>	College Majors
	<ul style="list-style-type: none"> <li>Apprenticeship (H&amp;H)</li> <li>Industry Internships</li> <li>Industry Internships: Ford ASSET, <u>Clubs</u>, CAP, GM ASEP</li> <li>Industry Mentorships</li> <li>Industry Job Shadows / Virtual Tours</li> <li>MCC Career Academy</li> </ul>	<ul style="list-style-type: none"> <li>Automotive Technology (ATMAS)</li> <li>Automotive Technician Assistant (ATTCC)</li> </ul>	
College Credit	<b>College Credit Available</b>	<b>Careers &amp; Potential Earnings</b>	Careers & Potential Earnings
	<ul style="list-style-type: none"> <li>MCC AUTT 1110? 1120?</li> <li>Modular Math 1240</li> <li>MCC Career Academy</li> </ul>	<ul style="list-style-type: none"> <li>Mechanic / Technician \$42,090</li> <li>Service Manager \$50,150</li> <li>Service Writer \$35,529</li> <li>Automotive Parts Counter \$14.36 hr</li> <li>Lot Porter \$17,000</li> <li>Repair Facility Assistant Manager \$45,504</li> <li>Transmission Assembly Tech \$19.61 hr</li> <li>Automotive Educator \$57.917 Secondary or Post Secondary</li> </ul>	
Certifications	<b>Certificates</b>		
	<ul style="list-style-type: none"> <li>Express Lube / Quick Lane?</li> <li>NCS Snap-On Certification</li> <li>SP2 Automotive Certification</li> <li>OSHA 10-hour, General</li> <li>National Career Readiness Certificate</li> </ul>		
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# NDE Career Fields, Clusters, and Pathways

## Understanding the NEBRASKA CAREER EDUCATION MODEL



### 1 CORE ACADEMICS/ COLLEGE AND CAREER READINESS

At the center of the NCE Model is the expectation for all students to develop a solid academic core. The next ring identifies specific College and Career Readiness Standards and practices that prepare students for success in post-secondary education as well as entrepreneurship/employment.

### 2 CAREER FIELDS

The six career fields represent broad sectors of the job market on which students may choose to focus.

### 3 CAREER CLUSTERS

Each career field is composed of career clusters. The clusters are more specific segments of the labor market. Each cluster is a grouping of careers that focus on similar subjects or similar skills. A basic understanding and exploration of each of the clusters will provide students with a solid foundation for career decision-making to conceptualize the entire world of work.

### 4 EMPLOYABILITY AND ENTREPRENEURSHIP

Career Education provides the opportunity to gain the knowledge and skills for both employment AND entrepreneurship. The reality for Nebraska and the United States is that entrepreneurship will help ensure our economic growth and vitality. By infusing entrepreneurship competencies, Career Education is helping to create the next generation of America's innovators and entrepreneurs.



THE NEBRASKA CAREER EDUCATION MODEL is a visual map of "career fields" and "career clusters/pathways". The model organizes the 16 National Career Clusters into six broad sectors of entrepreneurship and employment:

- Agriculture, Food and Natural Resources
- Business, Marketing and Management
- Communication and Information Systems
- Health Sciences
- Human Services and Education
- Skilled and Technical Sciences

These fields break down into more specific Career Clusters, Pathways and Occupational Specialties.

The model provides a way for:

- Students to explore the diversity of career options available to them
- Students to begin to prepare for their career with plans for secondary and post-secondary education
- Schools to organize curriculum into Programs of Study that prepare students for opportunities in Nebraska's economy



FOR MORE INFORMATION GO TO:  
[CESTANDARDS.EDUCATION.NE.GOV](http://CESTANDARDS.EDUCATION.NE.GOV)



# ■ Career Center Fields, Clusters, & Programs of Study

The following Career Center Programs and Academies are available to students at all schools.

## Health Sciences

### Health Sciences Pathway

This program is available to students who are committed to pursuing a career in the Therapeutic Certificated Services fields. Students participate in coursework that provides access to industry certifications and workplace learning experiences.

**Certified Nursing Assistant (CNA)  
Emergency Medical Technician (EMT)**

**UNMC High School Alliance**

## Skilled & Technical Sciences

### Construction Pathway

This program is available to students who are committed to pursuing a career in the Construction trades. Students participate in coursework that provides access to early college credit, industry certifications, and workplace learning experiences.

**Construction Pathway  
Electrical Pathway**

### Manufacturing Pathway

This program is available to students who are committed to pursuing a career in Welding or the trades. Students participate in coursework that provides access to early college credit, industry certifications, and workplace learning experiences.

**Welding Pathway**

### Transportation, Distribution, & Logistics / Automotive Pathway

This program is available to students who are committed to pursuing a career in the Automotive Industry. Students participate in coursework that provides access to early college credit, industry certifications, and workplace learning experiences.

**Automotive Technician Pathway  
Automotive Collision Repair Technician Pathway**

## Communications & Information Systems

### Information Technology Pathway

This program is available to students who are committed to pursuing a career in the PC Repair, Networking, and Computer Technician industries. Students participate in coursework that provides access to early college credit, industry certifications, and workplace learning experiences.

**IT Operations Management**

### Arts A/V Technology & Communications Pathway

This program is available to students who are committed to pursuing a career in the Automotive Industry. Students participate in coursework that provides access to early college credit, industry certifications, and workplace learning experiences.

**Digital Video Production**

## ■ Career Center Cooperative Education Programs

The following Cooperative Education Programs and Academies are available to all OPS students. Students must apply for these programs. Classes on the campus of these Career Center partners!

# Zoo Academy



Learn alongside Zoo Professionals & Animals!

Any OPS students can apply for the Zoo Academy at Omaha's Henry Doorly Zoo & Aquarium Education Center. This half-day program (morning or afternoon) allows students to explore careers relating to life sciences through two authentic STEM pathways. Credits earned count towards graduation. Transportation is the student's responsibility.

**Animal Science Pathway**

**Conservation Research Pathway**

*\*Applications taken annually in the fall semester:* <http://www.omahazoo.com/zooacademy>

# UNMC High School Alliance



Learn alongside UNMC Medical Doctors and Researchers!

Any OPS students can apply for the UNMC Health Alliance at the UNMC University of Nebraska Medical Center Main Campus. This half-day program (afternoon) allows students to explore careers relating to the health sciences. Credits earned count towards graduation. Transportation is the student's responsibility.

*\*Applications taken annually in the spring semester:*



# Outcomes

## What can students get out of Career Center Pathways?

### ■ Graduation Credits (Elective and Core)

Career Center's continuous school improvement plan focuses on increasing student engagement and student achievement. Passing classes results in earning credits, earning credits results in graduating high school. Hands-on learning experiences in the trades, IT, and health pathways support students successfully earning credits towards graduation.

### ■ Student Career Plan

Career Center is deliberate in ensuring each student has a career and college plan. The career and college plan incorporates our pathways that are aligned to postsecondary programs and industry workforce demand. Having a clear roadmap supports students along their journey towards success.

### ■ Industry Certifications

Career Center pathways provide students access to industry certifications and licenses. Completion of industry and postsecondary certifications are key success indicators that students possess critical employability skills and can enter the workforce.

### ■ Early College / Dual Enrollment Courses

Career Center pathways and Core/Academic course offerings provide students access to early college dual enrollment credit. Curriculum in Career Center pathways is aligned with postsecondary to give students a jump start when they go to college. Students who successfully earn college credit are "college ready" and research shows they are more successful over the course of their lifetime than a peer who doesn't earn college credit.

### ■ Work-Based Learning Opportunities / SYOP (Senior Year Only Program)

Work-based Learning connects learners with employers to prepare for success in the ever-changing workplace. These planned experiences, such as internships, apprenticeships, or college academies, create a "SYOP" (senior year only program) opportunity for **pathway completors** that enable students to acquire skills in a real or simulated work setting. As part of the SYOP, students can pipeline into Metropolitan Community College's MCC Career Academies that occur on the MCC Campus.

## ■ Career Center Course Listing

### OPS Course Title / Course ID

Auto Technology 1-2	170611/2	UNMC H Biomedical Research	063201
Auto Technology 3-4	170621/2	UNMC H Exp. Human Anatomy	063502
Auto Collision Repair 1-2	170661/2	UNMC H Study of Patient Care	063521
Auto Collision Repair 3-4	170681/2	UNMC H Infectious Diseases	063111
Construction 1-2	180391/2	UNMC H Pathology	063121
Construction 3-4	180401/2	UNMC H Dimensions Community Health	063131
Electrical Systems Tech 1-2	170761/2	UNMC H Independent Study	060871/2
Electrical Systems Tech 3-4	170771/2	UNMC H Science Seminar	060871/2
Digital Video Production 1-2	132211/2	UNMC H Medical Imaging	063161
Digital Video Production 3-4	132221/2	UNMC H Med. Decision Making	063602
IT Essentials PC Repair	132241/2	Zoo H Zoo Partnership	061631/2
H Info Tech	130091/2	Zoo Animal Care Experience	061641/2
Welding 1-2 tba		Zoo H Vet Science	060541/2
Welding 3-4 tba		Zoo H Environmental Science	060371/2
H Emergency Medical Technician	74101/2	Zoo H Genetics	063152/2
Certified Nursing Assistant	74121/2	Zoo Intro to Research	040501/2
MCC Applied Math 0910	049141	Zoo H Zoo Research	061411/2
MCC Modular Math 1240	049401	Zoo Independent Study	061441/2
MCC Business Math 1220	049201	Zoo H Comparative Anatomy	061421/2
CC Algebra 3-4	040291/2	Zoo Project Day	061451/2
CC Pre Calc Trig	040401/2	Zoo Sociology	030531
CC English 5-6	010471/2	Zoo Psychology	030491
CC English 7-8	010531/2	Zoo H. Environmental Lit. Seniors	10491/2
UNMC H Intro to Pharmacy	063532	Zoo H Biogeography	031051/2
UNMC H Intro to Behavioral Health	063212	Zoo American Government	030251
UNMC H Bio & Prev. Cancer	063542	Zoo International Diplomacy	030212
UNMC H Genetics	063152		

**More Courses TBA & Coming Soon!**

## ■ Career Center Bell Schedule

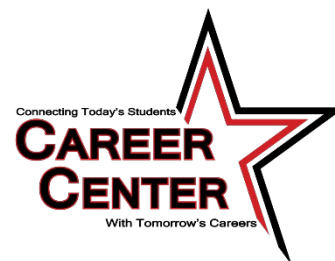
<b>Bus: 7:20am - Approx departure time at home high school</b>	
<b>Block 1: 7:40-9:00am</b>	<b>Buses run following blocks 1, 2, &amp; 4 returning students to home high school. Students taking core classes at Career Center stay for block 3.</b>
<b>Block 2: 9:30-10:45am</b>	
<b>Block 3: 11:30am-1:30pm</b> (Math & English classes 12:00-1:15pm)	
<b>Block 4: 1:30-2:45pm</b>	
<b>Bus: 3:05-3:10pm — Approx arrival time at home high school end of day.</b>	

# Core / Academic Courses



# Core / Academic Curriculum

OPS Core Curriculum follows the graduation requirements for the district. Students can register for the below core academic classes at OPS Career Center. Classes are contextualized to bring relevancy to core/academic coursework.



## English

- Year 1
  - English 5
  - English 6
- Year 2
  - English 7
  - English 8

## Math

- Year 1
  - Algebra 3
  - Algebra 4
- Year 2
  - MCC Modular Math 910
  - MCC Modular Math 1240
  - PreCalc / Trig
  - PreCalc / Trig

## Senior Year Graduation Requirement Courses

- American Government
- Personal Finance

## Early College Credit Available

- MCC Modular Math
  - MATH 910, 1240
- IT PC Repair (MCC)
  - INFO 1105, 1125
- H Info Tech (MCC)
  - INFO 1023, 2023
- Construction (MCC)
  - CNST 1005, 1050 pending
- Automotive Tech (MCC)
  - AUTT 1111, 1112 pending
- Automotive Collision (MCC)
  - AUTB 1200 pending
- Personal Finance (MCC)
  - FINA 1000 pending
- **MORE TBD!**

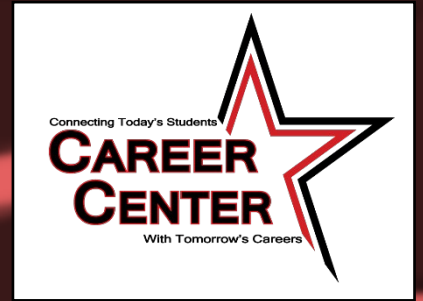
## Early College Credit / Dual Enrollment

Student access to and the successful completing of early college credit are important indicators of success for OPS Career Center. Career Center aims to provide early college credit opportunities in both core academic courses and in career pathways courses.



**Power of 15 is our goal!**

The Power of 15 is an initiative that provides students access to 15 college credits prior to high school graduation. The program is based on research that demonstrates early college dual enrollment students experience greater outcomes than non-early college dual enrollment students.



# 11

# Career Pathways

*Career & College Promise.*

# Health Sciences

## Therapeutic Certificated Services

Certified Nursing Assistant

Emergency Medical Technician

## Biotechnology Researcher / Diagnostic Services

UNMC High School Alliance



# **Certified Nursing Assistant**

***Career Center's CNA pathway prepares students for a high demand career in Nursing through immersion in multiple aspects of the art and science of healthcare. Students complete the requirements for the State of Nebraska Certified Nursing Assistant Certification.***

**Who:** Any OPS student interested in Therapeutic Certificated Services – Certified Nursing Assistant (CNA).

**What:** A focused Therapeutic Certificated services program aligned with Department of Health and Human Services and UNMC.

**Where:** OPS Career Center | 3230 Burt Street

## CNA Teaching Staff

**Mrs. Lori DelCore**  
[Lori.DelCore@ops.org](mailto:Lori.DelCore@ops.org)

**Mrs. Tiffanie Wright**  
[Tiffanie.wright@ops.org](mailto:Tiffanie.wright@ops.org)

**Mrs. Kristine Radeuchel**  
[Kristine.radeuchel@ops.org](mailto:Kristine.radeuchel@ops.org)

## Therapeutic Certificated Services Pathway Target Outcomes

Industry Recognized Certifications:

- CNA

Postsecondary Connection:

- Internship to Apprenticeship
- MCC Career Academy
- Work-based Learning TBD

## Recommended Grade Levels Sequences

- 11<sup>th</sup> Grade: CNA or UNMC High School Alliance
- 12<sup>th</sup> Grade: CNA or EMT or UNMC High School Alliance

**What if you are in 11<sup>th</sup> grade?**

You start with CNA or apply to UNMC High School Alliance

**What if you are in 12<sup>th</sup> grade?**

You are eligible for CNA and/or EMT. If you haven't taken CNA yet, you still can as a senior.



# Health Sciences

## Health Sciences

### Therapeutic Certificated Services (Certified Nursing Assistant)

#### Pathway Courses

- Year 1
  - CNA: (grades 11/12)
  - UNMC Health Alliance: 1 year (grades 11/12)
- Year 2
  - EMT: (grade 12)
  - CNA: (if not taken in grade 11)
  - UNMC Health Alliance: 1 year (grades 11/12)

\*Pathway expansion TBD

#### Related Courses

- Math
- English
- Personal Finance
- Anatomy
- Physiology
- Biology

#### Career Related Activities/CTSO's

- Skills USA
- Career Center Student Career Plan
- Career Fair / Speaker Series
- Career Center Adulting 101 Day
- District Career Days/Nights
- Job Shadowing UNMC

#### Workplace Learning Experiences

- DHHS
- UNMC High School Alliance
- Health Internships
- Health Careers Opportunity Program (HCOP)
- Fire Department "ride along"
- Job Shadowing UNMC
- Cadaver Lab
- Research Labs

#### Certificates Available

- Certified Nursing Assistant
- EMT
- CPR
- National Career Readiness Certificate
- HIPAA certification through AHEC

#### College Credit Available

- TBD - UNMC
- TBD - MCC

#### Program Industry Partners

- |                        |                    |
|------------------------|--------------------|
| • CHI Health & Hospice | • Methodist        |
| • UNMC                 | • Via Christe      |
| • Immanuel Fontenelle  | • Madonna          |
| • QLI – Quality Living | • Omaha Fire Dept. |
| • Right at Home        | • VNA              |
| • Clarkson             | • DHHS             |

#### Careers & Potential Earnings

- CNA: \$29,000
- Registered Nurse: \$73,000
- Physician Assistant: \$112,000
- Firefighter: \$59,000
- Paramedic: \$63,000
- EMT: \$35,000
- Physical Therapist: \$89,000
- Occupational Therapist: \$85,000
- Nurse Practitioner: \$115,000
- Physician: \$210,000 +
- Nurse Anesthetist: \$115,000
- LPN: \$47,000
- Medical Assistant: \$34,000
- Diagnostic Medical Sonographer: \$68,000





# Emergency Medical Technician

*Career Center EMT pathway students gain essential life saving techniques critical for a career in emergency medicine. Students complete the requirements for the National Registry EMT license. Assessing, stabilizing, and transporting patients during critical experiences occurs with certified professionals!*

**Who:** Any OPS student interested in Therapeutic Certificated Services – Emergency Medical Technician (EMT).

**What:** A focused Therapeutic Certificated services program aligned with Department of Health and Human Services and UNMC.

**Where:** OPS Career Center | 3230 Burt Street

## EMT Teaching Staff

**Mr. Christopher Greger**

[Christopher.greger@ops.org](mailto:Christopher.greger@ops.org)

## Therapeutic Certificated Services Pathway Target Outcomes

Industry Recognized Certifications:

- EMT
- CPR

Postsecondary Connection:

- Work-based learning
- TBD

## Recommended Grade Levels Sequences

- 12<sup>th</sup> Grade: EMT
- Optional - 12<sup>th</sup> Grade: CNA if haven't taken yet

**What if you are in 11<sup>th</sup> grade?**

You start with CNA or apply to UNMC High School Alliance.

**What if you are in 12<sup>th</sup> grade?**

You are eligible for EMT. You can also take CNA if desired.

# Health Sciences

## Health Sciences

### Therapeutic Certificated Services (Emergency Medical Technician)

#### Pathway Courses

- Year 1 – Senior Year
- EMT: (grade 12)
  - CNA: (if not taken in grade 11)

\*Pathway expansion TBD

#### Related Courses

- CNA (Junior Year)
- Math
- English
- Personal Finance
- Anatomy
- Physiology
- Biology

#### Career Related Activities/CTSO's

- Skills USA
- Career Center Student Career Plan
- Career Fair / Speaker Series
- Career Center Adulting 101 Day
- District Career Days/Nights
- Job Shadowing UNMC

#### Workplace Learning Experiences

- DHHS
- UNMC High School Alliance
- Health Internships
- Health Careers Opportunity Program (HCOP)
- Fire Department “ride along”
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- Cadaver Lab
- Research Labs

#### Certificates Available

- EMT
- CPR
- Certified Nursing Assistant
- National Career Readiness Certificate
- HIPAA certification through AHEC

#### College Credit Available

- TBD - UNMC
- TBD - MCC

#### Program Industry Partners

- |                        |                    |
|------------------------|--------------------|
| • CHI Health & Hospice | • Methodist        |
| • UNMC                 | • Via Christe      |
| • Immanuel Fontenelle  | • Madonna          |
| • QLI – Quality Living | • Omaha Fire Dept. |
| • Right at Home        | • VNA              |
| • Clarkson             | • DHHS             |

#### Careers & Potential Earnings

- CNA: \$29,000
- Registered Nurse: \$73,000
- Physician Assistant: \$112,000
- Firefighter: \$59,000
- Paramedic: \$63,000
- EMT: \$35,000
- Physical Therapist: \$89,000
- Occupational Therapist: \$85,000
- Nurse Practitioner: \$115,000
- Physician: \$210,000 +
- Nurse Anesthetist: \$115,000
- LPN: \$47,000
- Medical Assistant: \$34,000
- Diagnostic Medical Sonographer: \$68,000





# **UNMC High School Alliance**

*Cooperative Program*



**Who:** Any OPS student

**What:** A half-day program (afternoon) that allows students to explore careers relating to healthcare sciences through many authentic healthcare pathways at UNMC Campus. Credits earned count towards high school graduation as **honors classes**.

**Where:** UNMC Main Campus, 42<sup>nd</sup> & Emile Street. Transportation is the student's responsibility – NO transportation is provided to or from UNMC by Omaha Public Schools.

## How to Apply:

Application: <https://www.unmc.edu/alliance/admissions/apply.html>

You will need to create an account in order to access the online application. Please contact UNMC High School Alliance program at 402-559-3027 or email at [unmchsalliance@unmc.edu](mailto:unmchsalliance@unmc.edu)

Application closes: **Friday, January 29, 2021**

### **ELIGIBILITY – You MUST**

Be a junior or senior and at least 16 years of age at the beginning of the school year.

Have completed and received a grade of “B” or above in Algebra 1, Biology, a physical science course, and a third year of science.

Obtain parent/guardian permission

Be on track for graduation

Complete an in-person interview.

### **Completed applications must contain the following:**

Essay = a 250 essay describing your reasons for pursuing the UNMC Alliance and your interest in a health science career

Application form

Parent/Guardian permission

Copies of your most current school transcripts (see high school counselor)

Counselor's Certification Form (Home High School and/or Career Center Counselor)

Two (2) references – 1 math/science teacher and 1 from any other teacher/administrator

## For more information:

# Health Sciences



## Health Sciences

### UNMC High School Alliance

#### Pathway Courses

Year 1 Semester 1 (Junior/Senior) All are Honors Courses

- Pathology
- Community Health
- Study of Patient Care
- Infectious Disease
- Medical Imaging
- Biomedical Research

Year 1 Semester 2 (Junior/Senior)

- Genetics
- Biology and Prevention of Cancer
- Art & Science of Decision Making
- Behavioral Health
- Introduction to Pharmacy
- Exploration of Human Anatomy

Year 2 (Senior Only)

- Science Seminar

#### Related Courses

Prior to Attendance

- Introduction to Health Science
- CNA
- Medical Terminology
- Biomedical Sciences (PLTW – North)

Post Attendance

- CNA
- EMT

Supplemental at any time

- Honors Personal Finance
- English 7/8 or Honors English 7/8
- AP English Lit/Comp

#### Career Related Activities/CTSO's

- Skills USA
- HOSA

#### Workplace Learning Experiences & Partners

- Nebraska Medicine
- UNMC Professionals/Professors
- UHOP/RHOP

#### College Credit (Dual Enrollment or Other) (Institution Name)

- Foundations of Public Health (UNO)\*
- Bioinformatics (UNO)\*
- Introduction to Medical Humanities (UNO)\*

\*Pending Approval/TBD

#### College Majors (examples)

- Bachelors of Science in Nursing
- Biomedical Laboratory Science
- Medical Humanities
- Bachelor of Science in medical Laboratory Science
- Bioinformatics
- Biomedical Informatics
- Biology/Chemistry

#### Careers & Potential Earnings (examples)

- Medical Doctor, \$150,000+
- Registered Nurse, \$73,000
- Medical Laboratory Scientist, \$53,000+
- Occupational Therapist, \$84,900
- Pharmacist, \$128,000
- Physical Therapist, \$89,000



# Skilled & Technical Sciences



## Transportation, Distribution, & Logistics

Automotive Technology  
Automotive Collision Repair



## Construction / Building Trades

Construction  
Electrical Systems

Manufacturing  
Welding





# Automotive Technology

*Career Center's Automotive Technology pathway prepares students to work on domestic and foreign cars/trucks in a high-tech precision industry. Students use the same advanced diagnostic equipment, tools, and technology as industry professionals. Learn from ASE certified technicians and take advantage of industry apprenticeship and college credit opportunities.*

**Who:** Any OPS student interested in Automotive Technology

**What:** A focused Automotive Technician program aligned with Metropolitan Community College and Industry standards

**Where:** OPS Career Center | 3230 Burt Street

## Automotive Teaching Staff

**Mr. Jack Taff**

John.taff@ops.org

**Mr. David Pippert**

David.pippert@ops.org

## Automotive Pathway Target Outcomes

Industry Recognized Certifications:

- NC3 Snap-On
- OSHA 10-Hour General Automotive
- SP/2 Automotive Certification
- More TBD

Postsecondary Certifications:

- MCC Career Academy
- Work-based Learning TBD

## Recommended Grade Levels Sequence

- 10<sup>th</sup> Grade: Automotive 1 – 2
- 11<sup>th</sup> Grade: Automotive 3 – 4
- 12<sup>th</sup> Grade: SYOP(Senior Year Only Programming)
  - Industry Apprenticeship
  - MCC Career Academy on MCC's Campus

**What if you are in 11<sup>th</sup> grade or 12<sup>th</sup> grade as a first year Automotive Student?**

You start with Automotive 1-2 and would not be eligible for the 12<sup>th</sup> Grade SYOP opportunities

# Skilled and Technical Sciences

---

## Transportation, Distribution and Logistics

### TDL – Technician (Automotive Academy)

#### Pathway Courses

---

- Year 1
  - Automotive 1
  - Automotive 2
- Year 2
  - Automotive 3
  - Automotive 4
- Year 3
  - Auto SYOP
  - Auto SYOP

#### Related Courses

---

- Auto Body Collision 1-2
- Welding 1 / 2
- Math, Modular Math
- English
- Personal Finance

---

#### Career Related Activities/CTSO's

- Skills USA
- Career Center – Student Career Plan
- Career Fair / Speaker Series
- Career Center Adulting 101 Event
- District Career Days/Nights

#### Program Industry Partners

- H & H Chevrolet
- Baxter Auto
- Woodhouse Auto Family
- NMC
- Truck Center Companies
- NAPA Dist. Center
- MHC Kenworth
- RPM

#### Workplace Learning Experiences

- Apprenticeship (H&H)
- Industry Internships
- Industry Internships: Ford ASSET, Chrys, CAP, GM ASEP
- Industry Mentorships
- Industry Job Shadows / Virtual Tours
- MCC Career Academy

#### College Majors (examples)

- Automotive Technology (ATMAS)
- Automotive Technician Assistant (ATTCC)

#### College Credit Available

- MCC AUTT 1110? 1120?
- Modular Math 1240
- MCC Career Academy

#### Careers & Potential Earnings

- Mechanic / Technician \$42,090
- Service Manager \$50,150
- Service Writer \$35,529
- Automotive Parts Counter \$14.36 hr
- Lot Porter \$17,000
- Repair Facility Assistant Manager \$45,504
- Transmission Assembly Tech \$19.61 hr
- Automotive Educator \$57.917  
Secondary or Post Secondary

#### Certificates

- Express Lube / Quick Lane?
- NC3 Snap-On Certification
- SP2 Automotive Certification
- OSHA 10-hour, General
- National Career Readiness Certificate



# Automotive Collision Repair

*Career Center's Automotive Collision Repair pathway develops skills and techniques used by professionals in assembly, disassembly, and non-structural repair. Students demo a car, repair/replace/remove auto body parts, and create professional paint finishes.*

**Who:** Any OPS student interested in Automotive Collision Repair.

**What:** A focused Automotive Collision and Repair program aligned with Metropolitan Community College and Industry standards

**Where:** OPS Career Center | 3230 Burt Street

## Automotive Collision Teaching Staff

**Mr. Jay Renbensdorf**

[Jay.rebensdorf@ops.org](mailto:Jay.rebensdorf@ops.org)

## Automotive Collision Pathway Target Outcomes

Industry Recognized Certifications:

- NC3 Snap-On
- OSHA 10-Hour General Automotive
- SP/2 Automotive Certification

Postsecondary Certifications:

- MCC Career Academy
- Work-based Learning TBD

## Recommended Grade Levels Sequence

- 10<sup>th</sup> Grade: Auto Collision 1 – 2
- 11<sup>th</sup> Grade: Auto Collision 3 – 4
- 12<sup>th</sup> Grade: SYOP(Senior Year Only Programming)
  - Industry Apprenticeship
  - MCC Career Academy on MCC's Campus

**What if you are in 11<sup>th</sup> grade or 12<sup>th</sup> grade as a first year Automotive Collision Student?**

You start with Auto Collision 1-and would not be eligible for the 12<sup>th</sup> Grade SYOP opportunities

# Skilled and Technical Sciences

---

## Transportation, Distribution and Logistics

### TDL – Technician (Automotive Academy)

#### Pathway Courses

---

- Year 1
  - Auto Body 1
  - Auto Body 2
- Year 2
  - Auto Body 3
  - Auto Body 4
- Year 3
  - Auto Body SYOP
  - Auto Body SYOP

#### Related Courses

---

- Automotive Technology 1-2
- Welding 1 / 2
- Math, Modular Math
- English
- Personal Finance

---

#### Career Related Activities/CTSO's

- Skills USA
- Career Center – Student Career Plan
- Career Fair / Speaker Series
- Career Center Adulting 101 Event
- District Career Days/Nights

#### Program Industry Partners

- Auto Body Advisory
- B Street Collision Center
- Dingmans Auto
- Truck Center Companies
- MHC Kenworth

#### Workplace Learning Experiences & Partners

- Apprenticeship (?)
- Industry Internships
- MCC Career Academy
- TBD

#### College Majors

- Automotive Collision Technology (ABAS1) – MCC
- Auto Collision Repair A.A.S

#### College Credit Available

- MCC AUTB 1200 - TBD
- Modular Math 1240
- MCC Career Academy
- TBD

#### Careers & Potential Earnings

- Auto Body Technician (\$20.87 hr)
- Estimator Technician (\$20.32 hr)
- Disassembly Technician (\$20.32 hr)
- Paint Specialist
- Street Rod / Auto Restoration Tech
- Welder
- Sales Representative

#### Certificates Available

- NC3 Certifications
- SP/2
- OSHA 10-hour, General Automotive
- National Career Readiness Certificate
- TBD



# Construction

***Career Center Construction pathway students operate a wide range of hand and power tools for residential and commercial building projects. Work alongside professional mentors from architecture, construction, and engineering fields while earning industry certifications and college credit!***

**Who:** Any OPS student interested in Construction Trade.

**What:** A focused program aligned with Metropolitan Community College Construction Program and Industry standards

**Where:** OPS Career Center | 3230 Burt Street

## Construction Teaching Staff

**Mr. Timothy Arndt**

[Timothy.arndt@ops.org](mailto:Timothy.arndt@ops.org)

## Construction Pathway Target Outcomes

### Industry Recognized Certifications:

- OSHA 10-Hour General Construction
- SP/2 Safety
- NCRC

### Postsecondary Connections:

- MCC CNST 1100
- MCC Career Academy
- Work-based Learning TBD

## Recommended Grade Levels Sequences

10<sup>th</sup> Grade: Construction 1 – 2

11<sup>th</sup> Grade: Construction 3 – 4

12<sup>th</sup> Grade: SYOP (Senior Year Only Programming)

- MCC Career Academy
- Internship to Apprenticeship

**What if you are in 11<sup>th</sup> grade or 12<sup>th</sup> grade as a first year Construction Student?**

You start with Construction 1-2 and would not be eligible for the 12<sup>th</sup> Grade SYOP opportunities.



# Skilled and Technical Sciences

## Architecture and Construction

### Construction

#### Pathway Courses

- Year 1
  - Construction Part 1
  - Construction Part 2
- Year 2
  - Construction Part 3
  - Construction Part 4
- Year 3
  - Construction SYOP
  - Construction SYOP

#### Related Courses

- Math, Modular Math
- English
- Personal Finance
- Electrical 1-2
- Welding 1 / 2

#### Career Related Activities/CTSO's

- Skills USA
- Career Center – Student Career Plan
- Career Fair / Speaker Series
- Career Center Adulting 101 Event
- District Career Days/Nights
- MCC Construction Days
- Builders of the Future

#### Program Industry Partners

- |                          |                        |
|--------------------------|------------------------|
| • Carpenters Union 427   | • Brester Construction |
| • Bricklayers Local 15   | • CSI Construction     |
| • Elevators Constructors | • Hawkins Construction |
| • Laborers 1140          | • Turner Construction  |
| • NCSRC or Carpenters    | • Jerry Kesler Constr. |
| • Plumbers 16, Masons    | • Lozier               |
| 538, Allied Trades 109   | • OPPD                 |

#### Workplace Learning Experiences & Partners

- Internship to Apprenticeship
- Industry Job Shadows/Virtual Tours
- Industry Internships
- MCC Career Academy
- Job Placement

#### College Majors (examples)

- Construction Management
- Construction Technology
- Skills and Technical Sciences
- Electrical Technology

#### College Credit Available

- TBD - MCC CNST 1100
- Modular Math 1240
- MCC Career Academy

#### Careers & Potential Earnings/Median Salary

- Carpenters \$48,330 /\$23.24 hourly
- Line Installers/Repairers \$65,700/\$31.59 hourly
- Const Equipment Operator \$48,160/\$23.16 hourly
- Const. Management \$95,260/\$45.80 hourly
- Const. Laborers \$36,000/\$17.31 hourly
- Electrician \$56,180 /\$27.01 hourly

#### Certificates

- OSHA 10-hour general construction
- SP/2 Safety Certificate
- NC3 Certification
- National Career Readiness Certificate



# Electrical Systems

*Career Center's Electrical Systems pathway students advance with industry recognized skills through the Omaha Joint Electrical Apprenticeship and Training Committee program with IBEW, NECA, and Building Omaha. Students install electrical fixtures according to blueprints and complete residential and commercial wiring projects.*

**Who:** Any OPS student interested in the Electrical Trade.

**What:** A focused program aligned with IBEW Local 22 and NECA. Aligned to Metropolitan Community College Electrical Program.

**Where:** OPS Career Center | 3230 Burt Street

## Electrical Teaching Staff

**Mr. Doug Smith**

[Doug.smith@ops.org](mailto:Doug.smith@ops.org)

## Electrical Systems Pathway Target Outcomes

Industry Recognized Certifications:

- OSHA 10-Hour General Construction
- NCRC

Postsecondary Connection:

- IBEW Internship to Apprenticeship
- MCC Career Academy
- Work-based Learning TBD

## Recommended Grade Levels Sequences

- 10<sup>th</sup> Grade: Electrical Systems 1 – 2
- 11<sup>th</sup> Grade: Electrical Systems 3 – 4
- 12<sup>th</sup> Grade: SYOP(Senior Year Only Programming)
  1. IBEW Apprenticeship JumpStart
  2. MCC Career Academy

**What if you are in 11<sup>th</sup> grade or 12<sup>th</sup> grade as a first year Construction Student?**

You start with Construction or Electrical 1-2 but would not be eligible for the 12<sup>th</sup> Grade SYOP opportunities

# Skilled and Technical Sciences

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## Architecture and Construction

### Electrical Systems

#### Pathway Courses

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- Year 1
  - Electrical Systems 1
  - Electrical Systems 2
- Year 2
  - Electrical Systems 3
  - Electrical Systems 4
- Year 3
  - Electrical SYOP
  - Electrical SYOP

#### Related Courses

---

- Math, Modular Math
- English
- Personal Finance
- Construction 1-2
- Welding 1 /-2

#### Career Related Activities/CTSO's

- Skills USA
- Career Center – Student Career Plan
- Career Fair / Speaker Series
- Career Center Adulting 101 Event
- District Career Days/Nights
- MCC Construction Days
- Builders of the Future

#### Program Industry Partners

- |  |                  |
|--|------------------|
| • IBEW/ NECA                                 | • Building Omaha |
| • Bricklayers Local 15                       | • Lozier         |
| • Elevators Constructors                     | • Muth Electric  |
| • Laborers 1140                              | • OPPD           |
| • NCSRC or Carpenters                        |                  |
| • Plumbers 16, Masons 538, Allied Trades 109 |                  |

#### Workplace Learning Experiences & Partners

- Internship to Apprenticeship
- Industry Job Shadows/Virtual Tours
- Industry Internships
- MCC Career Academy
- Job Placement

#### College Majors (examples)

- Electrical Engineering
- Electrical Technology
- Construction Management

#### College Credit Available

- TBD - MCC CNST 1100
- Modular Math 1240
- MCC Career Academy

#### Careers & Potential Earnings/Median Salary

- Electrician \$56,180 /\$27.01 hourly
- Carpenters \$48,330 /\$23.24 hourly
- Line Installers/Repairers \$65,700/\$31.59 hourly
- Const Equipment Operator \$48,160/\$23.16 hourly
- Const. Management \$95,260/\$45.80 hourly
- Const. Laborers \$36,000/\$17.31 hourly

#### Certificates

- OSHA 10-hour general construction
- SP/2 Safety Certificate
- NC3 Certification
- National Career Readiness Certificate



# Welding

*Career Center's Welding pathway prepares students to apply welding techniques to join, cut, or manipulate metal. Develop a wide variety of techniques for high wage, high demand careers in welding. Experience hands-on instruction and the opportunity to work with high grade equipment like a water jet cutter!*

**Who:** Any OPS student interested in the Welding Trade.

**What:** A focused program aligned with IBEW Local 22 and NECA. Aligned to Metropolitan Community College Electrical Program.

**Where:** OPS Career Center | 3230 Burt Street

## Welding Teaching Staff

**Mr. Ryan Messerschmidt**

[Ryan.messerschmidt@ops.org](mailto:Ryan.messerschmidt@ops.org)

## Welding Pathway Target Outcomes

Industry Recognized Certifications:

- OSHA 10-Hour General Manufacturing
- SP/2

Postsecondary Certifications:

- MCC Career Academy
- Work-based Learning TBD

## Recommended Grade Levels Sequence

- 10<sup>th</sup> Grade: Welding 1-2
- 11<sup>th</sup> Grade: Welding 3-4
- 12<sup>th</sup> Grade: SYOP (Senior Year Only Programming)
  - MCC Career Academy on MCC's Campus
  - Industry Apprenticeship

**What if you are in 11<sup>th</sup> grade or 12<sup>th</sup> grade as a first year Automotive Collision Student?**

You start with Welding 1-2 and would not be eligible for the 12<sup>th</sup> Grade SYOP opportunities

# Skilled and Technical Sciences

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## Manufacturing

### Welding & Fabrication

#### Pathway Courses

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- Year 1
  - Welding 1
  - Welding 2
- Year 2
  - Welding 3
  - Welding 4
- Year 3
  - Welding SYOP
  - Welding SYOP

#### Related Courses

---

- Math, Modular Math
- English
- Personal Finance
- Automotive Tech 1 - 2
- Auto Collision 1 - 2
- Construction 1-2
- Electrical 1-2

#### Career Related Activities/CTSO's

- Skills USA
- Career Center Student Career Plan
- Career Fair / Speaker Series
- Career Center Adulting 101 Day
- District Career Days/Nights
- MCC Construction Days

#### Program Industry Partners

- |                       |                           |
|-----------------------|---------------------------|
| • Lozier Corporation  | • Steamfitters Union      |
| • Valmont             | • Sheetmetal Union        |
| • Cargill             | • Ironworkers Union       |
| • Distefano Manuf.    | • Sprinkler Fitters Union |
| • Midwest Manuf.      | • Titan Machinery         |
| • Drake William Steel | • G&G Manufacturing       |
| • Matheson            |                           |

#### Workplace Learning Experiences

- Internship to Apprenticeship
- Industry Internships
- MCC Career Academy
- Industry Job Shadows / Virtual Tours

#### College Majors

- Welding Technology, Associate Degree (WEAAS)
- Industrial Engineering
- Manufacturing Management
- Skills and Technical Sciences

#### College Credits Available

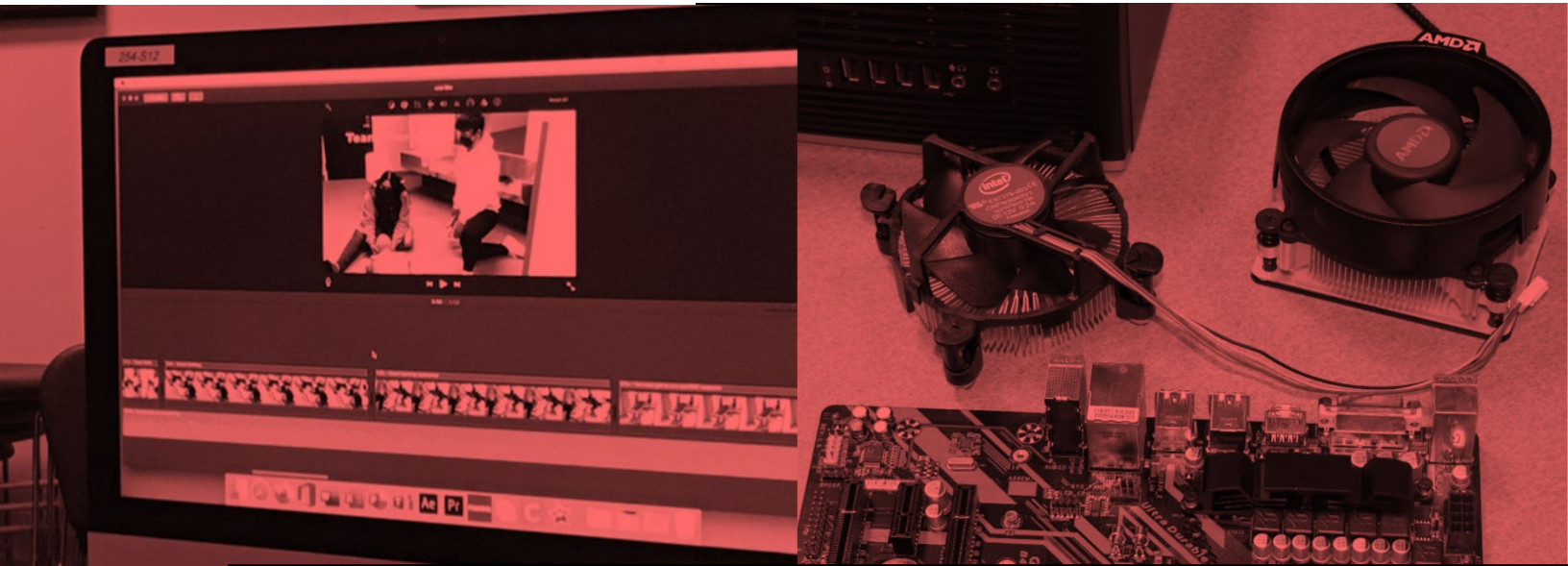
- TBD - MCC WELD 1100
- Modular Math 1240
- MCC Career Academy

#### Certifications Available

- OSHA 10-Hour General
- NC3 Certifications
- SP2
- National Career Readiness Certificate

#### Careers & Potential Earnings/ Median Salary

- **Welder**- \$42,490 or \$20.43 per hour
- **Boilermakers**- \$63,100 or \$30.34 per hour
- **Pipe Fitter**- \$55,160 or \$26.52 per hour
- **Steamfitter**- \$55,160 or \$26.52 per hour
- **Ironworker**- \$53,650 or \$25.79 per hour
- **Sheetmetal Worker**- \$50,400 or \$24.23 per hour



# Communication & Information Systems







# **IT PC Repair & Networking**

***Career Center's IT PC Repair and Networking pathway prepares students for a career in the diverse field of information technology. Earn CompTIA A+ and Network+ certifications. Troubleshoot, diagnose, and repair personal computers, networks, and security apparatus. Take advantage of the early college credit with Metropolitan Community College!***

**Who:** Any OPS student interested in IT PC Repair or IT Networking.

**What:** A focused program aligned with Metropolitan Community College's IT Program.

**Where:** OPS Career Center | 3230 Burt Street

## Information Technology Teaching Staff

**Mr. Jesse Cleaver**

[Jesse.cleaver@ops.org](mailto:Jesse.cleaver@ops.org)

## Welding Pathway Target Outcomes

Industry Recognized Certifications:

- CompTia A+
- Network +
- NCRC

Postsecondary Certifications:

- MCC Career Academy
- Work-based Learning TBD

## Recommended Grade Levels Sequence

- 10<sup>th</sup> Grade: IT PC Essentials 1-2
- 11<sup>th</sup> Grade: IT H Info Tech / Networking
- 12<sup>th</sup> Grade: SYOP(Senior Year Only Programming)
- MCC Career Academy on MCC's Campus
- Industry Internship

**What if you are in 11<sup>th</sup> grade or 12<sup>th</sup> grade as a first year Information Technology Student?**

You start with IT PC Essentials 1-2 and would not be eligible for the 12<sup>th</sup> Grade SYOP opportunities

# Communications & Information Systems

---

## Information Technology

### Information Technology

#### Pathway Courses

---

- Year 1**
  - IT Essentials PC Repair 1
  - IT Essentials PC Repair 2
- Year 2**
  - H Info Tech - Networking
  - H Info Tech - Networking
- Year 3**
  - IT SYOP
  - IT SYOP

#### Related Courses

---

- Math, Modular/Business Math
- English
- Personal Finance
- Cybersecurity

#### Career Related Activities/CTSO's

- Skills USA
- Career Center – Student Career Plan
- Career Fair / Speaker Series
- Career Center Adulting 101 Event
- District Career Days/Nights

#### Program Industry Partners

- OPS Information Management Service (IMS)
- MCC IT

#### Workplace Learning Experiences & Partners

- Apprenticeship (?)
- Industry Internships (?)
- Industry Mentorships
- Industry Job Shadows / Virtual Tours
- MCC Career Academy

#### College Majors (examples)

- Associate Degree in Applied Science (Information Technology) - MCC
- Bachelor of Science in Computer Science - UNO
- Bachelor of Science in It Innovation - UNO

#### College Credit Available

- MCC INFO 1105, 1125
- MCC INFO 1023, 2023
- MCC Career Academy

#### Careers & Potential Earnings

- PC Repair Tech
- Network Specialist
- Server Administrator
- Help Desk Tech

#### Certificates Available

- National Career Readiness Certificate



# **■ Digital Video Production**

***Career Center's Digital Video Production students operate specialized equipment to create professional video and film productions. Pathway focuses on designing, producing, exhibiting, performing, writing, and publishing multimedia content.***

**Who:** Any OPS student interested in the Digital Video Production, Film Production, and Videography.

**What:** A focused program aligned to Metropolitan Community College.

**Where:** OPS Career Center | 3230 Burt Street

## Digital Video Production Teaching Staff

**Mr. Ryan Hunter**

Ryan.hunter@ops.org

## IT Pathway Target Outcomes

Industry Recognized Certifications:

- NCRC

Postsecondary Certifications:

- MCC Career Academy
- Work-based Learning TBD

## Recommended Grade Levels Sequence

- 10<sup>th</sup> Grade: Digital Video Production 1-2
- 11<sup>th</sup> Grade: Digital Video Production 3-4
- 12<sup>th</sup> Grade: SYOP(Senior Year Only Programming)
  - MCC Career Academy on MCC's Campus
  - Industry Internship

**What if you are in 11<sup>th</sup> grade or 12<sup>th</sup> grade as a first year IT Student?**

You start with Digital Video Production 1-2 and would not be eligible for the 12<sup>th</sup> Grade SYOP opportunities

# Communications & Information Systems

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## Communication Arts

### Video Production

#### Pathway Courses

---

- Year 1
  - Digital Video Production 1
  - Digital Video Production 2
- Year 2
  - Digital Video Production 3
  - Digital Video Production 4
- Year 3
  - Communication Arts SYOP
  - Communication Arts SYOP

#### Related Courses

---

- English
- Math
- Personal Finance
- Marketing (home high school)

#### Career Related Activities/CTSO's

- Skills USA
- Career Center – Student Career Plan
- Career Fair / Speaker Series
- Career Center Adulting Event
- District Career Days / Nights

#### Program Industry Partners

- OPS District Communications
- VIN/Nebraska

#### Workplace Learning Experiences

- Industry Internships (TBD)
- MCC Career Academy (TBD)
- 

#### College Majors

- Video/Audio Communication Arts (VAAAS) - MCC
- Bachelor of Arts – Theatre - UNO
- Bachelor of Fine Arts – UNL

#### College Credits Available

- MCC VACA - TBD
- MCC Career Academy

#### Careers & Potential Earnings

- Videographer
- Social Media Content Producer
- Branding Specialist
- Design / Technical Producer

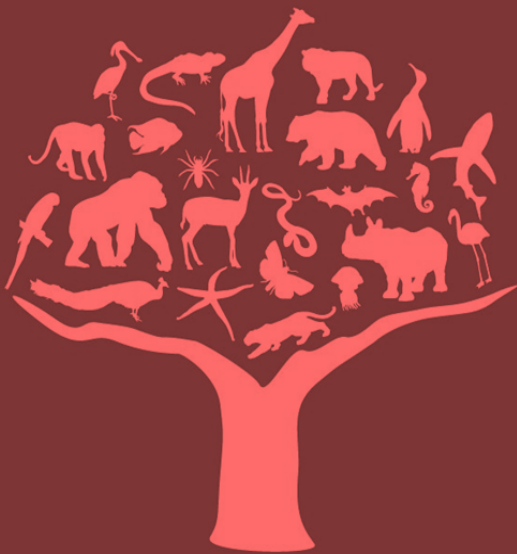
#### Certificates Available

- National Career Readiness Certificate



# Zoo Academy

*Cooperative Program*



a tree is not just a tree  
Zoo Academy



**Who:** Any OPS student

**What:** A half-day program (morning or afternoon) that allows students to explore careers relating to life sciences through two authentic STEM pathways at Omaha's Henry Doorly Zoo & Aquarium Education Center. Credits earned count towards graduation.

**Where:** Omaha Henry Doorly Zoo Education Center. Transportation is the student's responsibility – NO transportation is provided to or from Zoo Academy by Omaha Public Schools.

## How to Apply:

Application: <http://www.omahazoo.com/zooacademy>

The entire application must be completed in order to be accepted.

The entire application must be completed in one session, you can't save and return later.

Application closes: [November 20, 2020 \(for 21-22\) – TBA for 2022-2023](#)

### BEFORE you start the application:

Have email addresses for three (3) references – 2 teachers and a third adult

Parent/Guardian consent and information (name, email, phone number)

Personal Information (address, student ID number, GPA, school issues student email address)

Counselor's information (Home High School and/or Career Center Counselor)

List of any of the following:

- School or Community activities
- Honors/awards
- Relevant / related coursework taken at school or through other organizations
- Volunteering or special training
- Career Interests

### ESSAY Portions

Type out your essays before hand in a document you can save. Then you can copy and paste them into the application. You must answer both essay questions:

- In 300-500 words, explain why you are applying for Zoo Academy and how participating in this program will benefit your future career plans.
- In 300-500 words, identify and explain the conservation issue that is most important to you.

**For more information:**





# Zoo Academy @ Omaha Henry Doorly Zoo

## Zoo Academy

Two Pathways

### 1. Animal Science Pathway

2. Conservation Research

#### Animal Science Pathway – Science Courses

##### Science

- Zoology (grade 11/12)
- Animal Care Work Experience (backs Zoology)
- Comparative Anatomy & Physiology (grade 11/12)
- Veterinary Science (grade 11/12)
- Veterinary Science Work Experience(grade 11/12)

##### Science Electives

- Zoo Operations (grade 11) \*required C day calss
- Conservation Service Learning (12<sup>th</sup> Capstone)
- Zoo Independent Study (grade 11/12)

#### Animal Science Pathway - Core Academic Courses

##### Social Studies

- International Relations / Diplomacy (grade 11/12)
- US Government (grade 11/12)
- Biogeography (grade 11/12)
- Behavioral Studies (Sociology / Psychology - 11/12)

##### English

- English 11 (5/6)
- Environmental English (12<sup>th</sup> grade)

##### Math

- Algebra 2 (grade 11/12)
- Pre Calc/Trig (grade 11/12)

#### Workplace Learning (Shadowing) Experiences

- Vet Tech
- Pre-Vet – Animal Science
- Animal Science
- Animal Behavior
- Nutrition Science
- Agricultural Science

#### College Majors

- Veterinary Clinic Settings such as:
  - Ralston Vet Clinic
  - American Animal Hospital
  - Sirius Veterinary Orthopedics
- Behind the Scenes Job Shadowing on Zoo Grounds in areas such as
  - Zoo Animal Hospital
  - Hoofstock (giraffe / antelope)
  - Wild Kingdom Pavilion (small animals)

#### Early College Credit (Dual Enrollment)

TBD

#### Careers & Potential Earnings

- Veterinarian \$50 – 75,000
- Veterinary Technician \$30 – 45,000
- Nutritionist \$60,000 – 80,000
- Agribusiness \$60,000 – 80,000
- Zoo Keeper \$30 – 50,000



# Zoo Academy @ Omaha Henry Doorly Zoo

## Zoo Academy

Two Pathways

1. Animal Science

## 2. Conservation Research Pathway

### Conservation Research Pathway Courses

#### Science

- Introduction to Research (grade 11/12)
- Honors Research (grade 11/12)
- Environmental Science (grade 11/12)
- Genetics (grade 11/12)

#### Science Electives

- Zoo Operations (grade 11) \*required C day class
- Conservation Service Learning (12<sup>th</sup> Capstone)
- Zoo Independent Study (grade 11/12)

### Conservation Research Core Academic Courses

#### Social Studies

- International Relations / Diplomacy (grade 11/12)
- US Government (grade 11/12)
- Biogeography (grade 11/12)
- Behavioral Studies (Sociology/Psychology – 11/12)

#### English

- English 11 (5/6)
- Environmental English (12<sup>th</sup> grade)

#### Math

- Algebra 2 (grade 11/12)
- Pre Calc/Trig (grade 11/12)

### Workplace Learning (Shadowing) Experiences

- Behind the Scenes Job Shadowing on Zoo Grounds in areas such as:
  - Center for Conservation and Research
  - Scott Aquarium
  - Lied Jungle
  - Butterfly and Insect Pavilion

### College Credit (Dual Enrollment)

- TBD

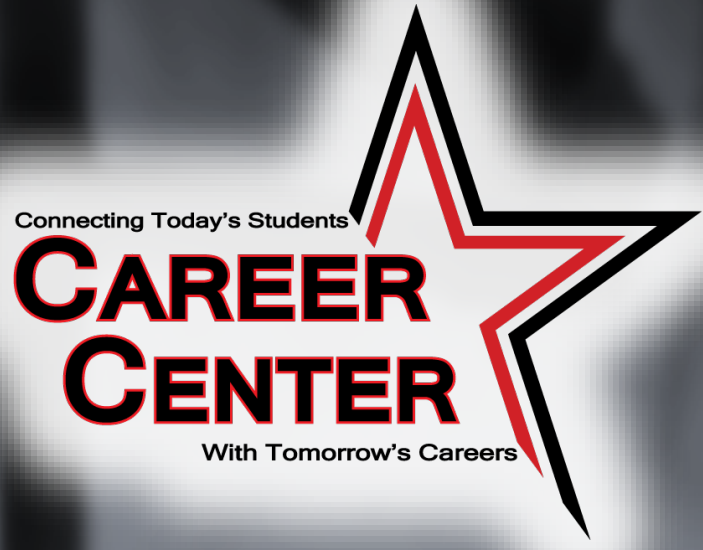
### College Majors

- Fisheries and Wildlife
- Ecology
- Zoology
- Marine Biology
- Biology

### Careers & Potential Earnings

- National Park Service \$40 – 70,000
- Environmental Law \$50 – 100,000
- Wildlife /Marine / Field Biologist \$40 – 60,000
- Research Professor \$65 – 85,000





**Every Student. Every Day. Prepared for Success.**