



Course Catalog by Program

Animal Veterinary Science | Auto Body Technology | Automotive Technology
Constructions Technology | Cosmetology | Criminal Justice | Culinary Careers Management
Cyber Security & Networking | Early Childhood Education | Graphic Communications
Health Technology | HVAC/R & Plumbing | Mechanical Engineering | Welding Technology

Animal & Veterinary Science (AVS)

Students work directly with small, large and exotic animals in a lab environment, learning the necessary skills to pursue a veterinary technician career. Students will gain hands-on training for animal care and learn veterinary assisting skills necessary to communicate with animal owners.

Junior Year:

AVS1 Animal Anatomy & Physiology 1.333
credits

AVS1 Companion Animal Selection 1.333
credits

AVS1 Animal Health 1.334 credits

Academics*

English 11

Algebra II

Government & Economics

Senior Year:

AVS2 Livestock Selection 2 credits

AVS2 Veterinary Science 2 credits

Academics*

English 12

Personal Math/Precalculus/CCP Algebra

3rd science (chemistry or environmental)

Certifications Available:

Earn Ohio Department (ODE) credential points toward graduation during junior and senior years.

- NAVTA Veterinary Assisting (12 points)
- Elanco Veterinary Medical (6 points)
- Elanco Animal Science (6 points)
- First Aid/CPR (1 point)

Auto Body Technology (AB)

This program is for any student who is interested in a successful career in the Auto Collision Repair Industry. Most students are hired directly into the industry with no additional training after this program.

Junior Year:

AB1 Non Structural Inspection 2 credits

AB1 Painting & Refinishing 2 credits

Academics*

English 11

Algebra II

Government & Economics

Senior Year:

AB2 Structural Inspection 2 credits

AB2 Electrical & Mechanical Systems 2 credits

Academics*

English 12

Personal Math/Precalculus/CCP Algebra

3rd science (chemistry or environmental)

Certifications Available:

Earn Automotive Service Excellence (ASE) certifications toward graduation during junior and senior years.

- Non-Structural Analysis (3 points)
- Structural Analysis (3 points)
- Collision Paint Refinishing (3 points)
- Electrical Mechanical (3 points)

Automotive Technology (AT)

Learn to diagnose service and repair a wide range of vehicles alongside a certified Master Technician. This program utilizes advanced diagnostic equipment to troubleshoot and repair complex automotive systems.

Junior Year:

AT1 Braking, Suspension & Steering 1.33 credits

AT1 Electrical and Electronics 1.33 credits

AT1 Engine Performance I 1.34 credits

Academics*

English 11

Government & Economics

Algebra II

Senior Year:

AT2 Engine & Powertrain 1.33 credits

AT2 HVAC 2 credit 1.33 credits

AT2 Engine Performance II 1.34 credits

Academics*

English 12

Personal Math/Precalculus/CCP Algebra

3rd science (chemistry or environmental)

Certifications Available:

Earn Automotive Service Excellence (ASE) certifications toward graduation during junior and senior years.

- Suspension & Steering (3 points)
- Brakes (3 points)
- Electrical/Electronic Systems (3 points)
- Maintenance & Light Repair (3 points)
- Engine Repair (3 points)
- Engine Performance (3 points)
- Auto Service Tech (3 points)
- Heating & AC (3 points)

Construction Technology (CT)

Learn various aspects of construction and related careers, including: estimating, wood framing, roofing, interior finishing, masonry concrete form work, electrical, heavy equipment, and concrete work. Interpret blueprints and specifications. Learn to operate heavy equipment on site.

Courses are the same for juniors and seniors, and rotate every other year depending on where they are in the construction of a house, which students will build and finish in their two years at the Career Center.

Junior Year:

Core & Sustainable Construction 2 credits
Carpentry & Masonry 2 credits

Junior Academics*

English 11
Algebra II
Government & Economics

Senior Year:

Coverings & Finishes 2 credits
Structural Systems 2 credits

Senior Academics*

English 12
Personal Math/Precalculus/CCP Algebra
3rd science (chemistry or environmental)

Certifications Available:

Earn Ohio Department of Education (ODE) credential points certifications toward graduation during junior and senior years.

- CITF Career Connections Level 1 (4 points)
- CITF Career Connections Level 2 (4 points)
- CITF Career Connections Level 3 (4 points)
- OSHA 10 (1 point)
- Aerial Work Platforms (1 point)
- Telehandler (1 point)

Cosmetology (COS)

Students in the Cosmetology program use professional salon techniques to provide a full range of hair, nail, and skincare services in our full-service interactive salon.

Students work alongside professional cosmetologists to explore all aspects of quality salon services and management.

Junior Year:

COS1 Chemical Services (COS LAB 1) 2 credits

COS1 Hair (COS LAB 2) 2 credits

COS1 Microbiology (COS Related) 1 credit

Academics*

English 11

Algebra II

Cosmetology Science

Senior Year:

COS2 Advanced Chemical (COS LAB 1) 2 credits

COS2 Advanced Hair (COS LAB 2) 2 credits

COS2 Hand Foot (COS related) 1 credit

Academics*

English 12

Personal Math/Precalculus/CCP Algebra

Government & Economics

Certifications Available:

- State Board of Cosmetology eligibility requirements for the Ohio State Licensing examination (12 points)

Criminal Justice (CJ)

Learn to use investigative techniques to solve crime scenarios and how to mediate situations to resolve conflicts with professionalism.

Junior Year:

CJ1 Criminal Justice System 2 credits
CJ1 Homeland Security 2 credits

Academics*

English 11
Algebra II
Government & Economics

Senior Year:

CJ2 Correctional Services 2 credits
CJ2 Security & Protective 1 credit
CJ2 Public Safety 1 credit

Academics*

English 12
Personal Math/Precalculus/CCP Algebra
3rd science (chemistry or environmental)

Certifications available:

Earn Ohio Department of Education (ODE) credential points toward graduation during junior and senior years.

- ORDC Correctional Officer - Provisional (12 points)
- National Incident Management System 100 (4 points)
- National Incident Management System 700 (4 points)
- National Incident Management System 200 (1 point)
- National Incident Management System 800 (1 point)
- OSHA-10hr (1 point)
- Bleeding Control Basics (1 point)
- CPR First Aid (1 point)
- Taser (1 point)
- ASP Baton (1 point)

- OC/Pepper Spray (1 point)

Culinary Careers Management (CCM)

Students work alongside professionally trained chefs to create gourmet foods, cakes, and pastries with artistic presentation. Learn to manage and operate a fast-paced, casual restaurant and cater community events at the White Apron Restaurant located at the Career Center. Express culinary creativity in menu planning, food preparation, and presentation while delivering the ultimate culinary experience for customers.

Junior Year:

CCM1 Contemporary Cuisine 3 credits
CCM1 Baking & Pastry Arts 1 credit

CCM1 Fundamentals of Food Production 3 credits
CCM1 Dining Room Services/Operations 1 credit

Academics*

English 11
Algebra II
Government & Economics

Senior Year:

CCM2 Contemporary Cuisine 3 credits
CCM2 Baking & Pastry Arts 1 credit

CCM2 Fundamentals of Food Production 3 credits
CCM2 Dining Room Services/Operations 1 credit

Academics*

English 12
Personal Math/Precalculus/CCP Algebra
3rd science (chemistry or environmental)

Certifications available:

Earn Ohio Department of Education (ODE) credential points toward graduation during junior and senior years.

- ServSafe (3 points)
- ProStart (9 points)

Cybersecurity & Networking (CYB)

This course focuses on the foundational concepts in IT and Ethical Hacking. Students start out by learning how computers and networks work together and how to keep them secure in today's information age. Students will use a variety of industry standard tools to find vulnerabilities, exploit them and remediate them in an effort to keep information safe and secure.

Junior Year:

CYB1 Computer Hardware 1.333 credits

CYB1 Computer Software 1.333 credits

CYB1 Network Security 1.334 credits

Academics*

English 11

Algebra II

Government & Economics

Senior Year:

CYB2 Defense & Reinforcement 1.333 credits

CYB2 Network Security 1.333 credits

CBY2 Networking 1.334 credits

Academics*

English 12

Personal Math/Precalculus/CCP Algebra

3rd science (chemistry or environmental)

Certifications available:

Earn Ohio Department of Education (ODE) credential points toward graduation during junior and senior years.

- CompTIA IT Fundamentals (6 points)
- CompTIA A+ (6 points)
- CompTIA Security+ (6 points)
- CompTIA Network+ (6 points)

Early Childhood Education (ECE)

Students plan activities that enhance a child’s intellectual, social, emotional, and physical development. Create, research, and provide developmentally appropriate learning materials and activities that make learning fun, while operating a state certified preschool.

Junior Year:

ECE1 Health & Safety 2 credits

ECE1 Curricular Instruction 2 credits

Academics*

English 11

Algebra II

Government & Economics

Senior Year:

ECE2 Observation & Assessment 2 credits

ECE2 Principles of Education 2 credits

Academics*

English 12

Personal Math/Precalculus/CCP Algebra

3rd science (chemistry or environmental)

Certifications available:

Earn Ohio Department of Education (ODE) credential points toward graduation during your junior and senior years.

- First Aid/CPR (1 point)
- Communicable Disease (1 point)
- Child Abuse Recognition and Prevention (1 point)

- ParaPro (6 points)
- Potential to earn Child Development Associate (CDA) (12 points) when combined with an internship in the field

Graphic Communications (GRA)

Students explore the fundamental skills in traditional and digital art that are essential for designers. Individual creativity is encouraged throughout the program, from junior to senior year.

Junior Year:

GRA1 Photo Composition 2 credits
 GRA1 Visual Creation 2 credits

Academics*

English 11
 Algebra II
 Government & Economics

Senior Year:

GRA2 Motion Graphics 2 credits
 GRA2 Digital Image Editing 2 credits

Academics*

English 12
 Personal Math/Precalculus/CCP Algebra
 3rd science (chemistry or environmental)

Certifications available:

Earn Ohio Department of Education (ODE) credential points toward graduation during junior and senior years.

- Adobe Photoshop (4 points)
- Adobe Illustrator (4 points)
- Adobe Animate (4 points)
- Adobe InDesign (4 points)

Health Technology (HT)

Students gain knowledge while working alongside medical professionals in a variety of settings while providing quality patient care. This program is designed for students wanting to work in the healthcare field.

Junior Year:

HT1 Medical Terminology 1 credit
HT1 Anatomy & Physiology 1 credit
HT1 Health & Science Technology 2 credits

Academics*

English 11
Algebra II
Chemistry (CCP Microbiology or environmental if they already have chemistry)

Senior Year:

HT2 Principles of Allied Health 2 credits
HT2 Nutrition & Wellness 2 credits

Academics*

English 12
Personal Math/Precalculus/CCP Algebra
3rd science (chemistry or environmental)

Program Certifications:

Earn Ohio Department of Education (ODE) credential points toward graduation during junior and senior years.

- State Tested Nursing Assistant (STNA) (12 points)
- Phlebotomy Technician (12 points)
- EKG Technician (12 points)
- Patient Care Technician (12 points)
- Professional CPR, Basic First Aid (1 point)

Heating, Ventilation, Air Conditioning, & Refrigeration (HVAC-R) and Plumbing

Our Heating, Ventilation, Air Conditioning and Refrigeration program teaches students how to plan, install, maintain, repair and troubleshoot residential and light commercial heating and cooling units. Students will be introduced to electrical, plumbing and pipefitting.

Junior Year:

HVC1 Heating & Cooling Systems 2 credits
HVC1 Mechanical, Electrical, and Plumbing
Systems 2 credits

Academics*

English 11
Algebra II
Government & Economics

Senior Year:

HVC1 Heating & Cooling Systems 2 credits
HVC1 Mechanical, Electrical, and Plumbing
Systems 2 credits

Academics*

English 12
Personal Math/Precalculus/CCP Algebra
3rd science (chemistry or environmental)

Program Certifications:

Earn Ohio Department of Education (ODE) credential points toward graduation during junior and senior years.

- North American Technician Excellence HVAC Support Technician (12 points)
- Environmental Protection Agency (EPA) Refrigerant Recovery Core + Level 1 [Small Appliances] (12 points)
- Environmental Protection Agency (EPA) Refrigerant Recovery Core + Level 2 [High Pressure] (12 points)
- Environmental Protection Agency (EPA) Refrigerant Recovery Core + Level 3 [Low Pressure] (12 points)
- Environmental Protection Agency (EPA) Refrigerant Recovery Universal (12 points)
- NCCER Level 1 Electrical (6 points)
- NCCER Level 1 Plumbing (6 points)
- OSHA-10 (1 point)

Mechanical Engineering (ME)

- *Formerly Robotics & Advanced Manufacturing*
- *Offers lab courses for CCP credit*

This program moves beyond manufacturing and robotics to prepare students for the demands of real-world manufacturing facilities. Begin a pathway through skills-based education filled with the most up-to-date and relevant practices. Students will cover three main areas of curriculum: Electrical, Manufacturing Operations and Mechanics & Hydraulics.

Junior Year:

ME1 Manufacturing Operations 1 credit

ME1 CNC Technology 1 credit

ME1 Gas Metal Arc Welding 1 credit

ME1 Machine Tools 1 credit

Academics*

English 11

Algebra II

Government & Economics

Senior Year:

ME2 Welding Fabrication 1 credit

ME2 Hydraulics & Pneumatics 1 credit

ME2 Industrial Maintenance 1 credit

ME2 Robotics 1 credit

Academics*

English 12

Program Certifications:

Earn Ohio Department of Education (ODE) credential points toward graduation during junior and senior years.

- Yaskawa/Motoman Robotic (6 points)
- Fanuc Robotic (6 points)
- Fanuc CNC Mill (4 points)
- Fanuc CNC Lathe (4 points)
- Parker Fluid Power (4 points)
- Parker Hydraulics (4 points)
- OSHA 10 (1 point)
- American Welding Society (minimum 36 points available)

Welding Technology (WLD)

Students will build and troubleshoot complex manufacturing solutions using advanced welding techniques. This program is ideal for students who enjoy critical thinking and want to learn how to interpret drawings for product fabrication. Students will be creating and fabricating customized metalwork.

Junior Year:

WELD1 Gas Metal Arc Welding 1 credit
 WELD1 Shield Metal Arc Welding 1 credit
 WELD1 Manufacturing Operations 2 credits

Academics*

English 11
 Algebra II
 Government & Economics

Senior Year:

WELD2 Fabrication 1 credit
 WELD2 Flux Cored 1 credit
 WELD2 Gas Tungsten 1 credit
 WELD2 Welding Technologies 1 credit

Academics*

English 12
 Personal Math/Precalculus/CCP Algebra
 3rd science (chemistry or environmental)

Program Certifications

Earn Ohio Department of Education (ODE) credential points toward graduation during junior and senior years.

- American Welding Society
 - Gas Tungsten Arc Welding (9 points)
 - Shielded Metal Arc Welding (9 points)
 - Gas Metal Arc Welding (9 points)
 - Flux Cored Arc Welding (9 points)
- OSHA 10 (1 point)

Programs by associate school recommendation only:

Career Based Information (CBI)

- For sophomores only
- To qualify, students must be either academically or economically disadvantaged
 - Free/Reduced Lunch
 - Failing classes
 - IEP

Program Overview:

- Students take 5 classes in a traditional classroom setting
- Have 1 period per day for online credit recovery
- Spend 1 period per day in a career-tech lab
- Shadow four different career-tech programs throughout the year, giving you the opportunity to choose the right program for you as a junior
- Learn employability skills

Sophomore Year:

CBI Lab 1 credit

CBI Related 1 credit

Academics*

English 10 (or equivalent English course)

Geometry (or equivalent math course)

American History

Biology

Job Training Coordination, Maintenance Training (JTC)

This program will provide students with hands-on training in the Career Center training lab. This two-year program will allow students to learn the skills for building and residential maintenance, light construction and how to work with a team and independently.

Juniors & Seniors

MT1/2 Industrial Maintenance 2 credits

MT1/2 Machine Tools 2 credits

Academics

JTC English 11/12

JTC Math 11/12

JTC Science/Government 11/12

Understanding Courses

Sophomores

English 10 = regular ed

English 2 = resource room

Geometry = regular ed

Applied math 2 = resource room geometry

Juniors

English 11= regular ed

English 3 = resource room

Algebra II = regular ed

Applied math 3 = resource room algebra II

Seniors

English 12 = regular ed

English 4 = resource room

Personal math = regular ed

Precalculus = regular ed

Applied math 4 = resource room personal math

Credit Recovery

- Courses done by semester
 - Students must complete one semester course before another is added to their schedule
- Only for failed courses or ones not offered in the building, not to replace in-person classes unless the student schedule prohibits it
 - We make every effort to put students back in the classroom for a failed course unless they have multiple failed courses or it does not fit in their schedule
 - Students may work on their online courses 24/7, and will be placed in a study hall whenever possible to complete classes
- Students must complete online courses attempted by the end of the school year, or they will receive an F for the course