

EMERGENCY MEDICAL TECHNICIAN (EMT)

Ready to make a difference? The Emergency Medical Technician program will provide students with the fundamental knowledge and skills needed to provide lifesaving services in your community. EMT students will function in uncommon and high-stress situations by performing comprehensive patient assessments, obtaining vital signs, controlling hemorrhaging, bandaging wounds, administering cardiopulmonary resuscitation (including use of automated external defibrillators) and providing pre-hospital emergency medical care of simple and multiple system injuries. Six DMACC credits are available upon completion of all DMACC Career Academy course offerings in Emergency Medical Technicians.

- > Students will have the opportunity to enroll in either Fall or Spring.
- > Students must be 17 years of age by the first day of class.
- > In addition to classroom time, students will be required to attend clinical and field rotations during the course that will require an investment of approximately 48 hours outside of the normal classroom hours.
- > Students will also have to complete a criminal background check and are required to be CPR Certified before the course begins. Must be American Heart Association or American Red Cross Basic Life Support for Professional Rescuer/Healthcare Provider.

Times available: M-F, 7:45-9:45 a.m.; Fall or Spring

COURSES INCLUDE:
Emergency Medical Technician (EMS 214) 6 credits (1st or 2nd Sem)

HEALTH OCCUPATIONS

This program will provide students the opportunity to explore careers in healthcare and work toward CNA training. Fourteen DMACC credits are available upon completion of all DMACC Career Academy course offerings in Health Occupations.

Times available: M–F, 7:45–9:45 a.m. or 12:45–2:45 p.m.

COURSES INCLUDE:
Morning Section: 7:45–9:45 a.m.
Nurse Aide (HSC172) 3 credits (1st Sem)
Advanced Nurse Aide* (HSC182) 3 credits (1st Sem)
Medical Terminology (HSC120) 3 credits (2nd Sem)
Intro to Health Occupations (HSC105)1 credit (2nd Sem)
Explore Health Career/Bldg Team (HSC109). 3 credits (2nd Sem)
Emergency Care (HSC101)1 credit (2nd Sem)

Afternoon Section: 12:45–2:45 p.m.
Medical Terminology (HSC120) 3 credits (1st Sem)
Intro to Health Occupations (HSC105)1 credit (1st Sem)
Explore Health Career/Bldg Team (HSC109). 3 credits (1st Sem)
Emergency Care (HSC101)1 credit (1st Sem)
Nurse Aide (HSC172) 3 credits (2nd Sem)
Advanced Nurse Aide* (HSC182) 3 credits (2nd Sem)
*Courses require extended lab and clinical time in the evenings and/or weekends.

MACHINE OPERATIONS/TOOL & DIE

Students will learn the basics of machining, measuring, print reading, and other workplace skills. The majority of time is spent in hands-on labs. Completing these classes would be a great start to a machining engineering career. Eleven DMACC credits are available upon completion of all DMACC Career Academy course offerings in Machine Operations/Tool & Die.

Times available: M–F, 12:45–2:45 p.m.

COURSES INCLUDE:
Machine Trade Print Reading I (MFG121)2 credits (1st Sem)
Mill Operations Theory (MFG260).1 credit (1st Sem)
Mill Operations Lab (MFG261)2 credits (1st Sem)
Engine Lathe Theory (MFG250).1 credit (2nd Sem)
Engine Lathe Operations Lab (MFG251)2 credits (2nd Sem)
Machine Shop Measuring (MFG105).3 credits (2nd Sem)

Each of these academies is offered on the DMACC Ankeny Campus unless otherwise noted. These classes provide area high school students with excellent educational opportunities. Preregistration for these academies is handled by high school counselors and principals. Specific course offering may be subject to change.

CAREER ADVANTAGE STUDENT BENEFITS:

- Earn college credit while in high school
- Develop valuable career and workplace skills
- Explore various career options of interest
- Get a head start on college and career

PROFESSIONAL SKILLS

DMACC Career Academy programs are college-level coursework infused with professional skills. In addition to earning college credit, students in all programs will:

- Learn, develop and practice professional communication skills
- Compose a professional resume
- Complete job shadowing or internship experiences in business/industry

CLASSES HELD AT:

DMACC Ankeny Campus
2006 S. Ankeny Blvd., Ankeny, IA 50023

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CAREERADVANTAGE.DMACC.EDU

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DMACC
CAREER ADVANTAGE
ANKENY CAMPUS

2024-2025 HIGH SCHOOL PROGRAM SCHEDULE



SCIENCE

The DMACC Science Academy is for exceptional science students who wish to pursue college level Chemistry and Physics courses while in high school. Completing these challenging courses during high school gives students a chance to explore various careers in science and engineering. These science courses will help students springboard ahead of their peers, preparing them to be a year ahead in their major. Being a step ahead of your peers could potentially open doors to you such as being first in line for advanced undergraduate research projects or obtaining a coveted internship.

Time available: M-F, 7:30-11:00 a.m.

COURSES INCLUDE:

- General Chemistry I (CHM165).4 credits (1st Sem)
- General Physics I (PHY160)5 credits (1st Sem) OR
- Classical Physics I (PHY213)6 credits (1st Sem)
- General Chemistry II (CHM175).4 credits (2nd Sem)
- General Physics II (PHY161).5 credits (2nd Sem)
- OR
- Classical Physics II (PHY223).6 credits (2nd Sem)

AUTO COLLISION

This program introduces students to the highly technological industry of Auto Collision and Repair. Students will gain experience in the areas of basic shop operations and procedures, welding, painting, and shop safety. Fifteen DMACC credits are available upon completion of all DMACC Career Academy course offerings in Auto Collision. Completion of this program as a high school student provides the opportunity to complete the college diploma program in two college semesters.

Times available: M-F, 7:45-10:00 a.m.

COURSES INCLUDE:

- Basic Shop Safety (CRR150)1 credit (1st Sem)
- Sheet Metal Fundamentals (CRR325).5 credits (1st Sem)
- Sheet Metal Welding (CRR101).2 credits (1st/2nd Sem)
- Estimating Theory (CRR742).2 credits (2nd Sem)
- Principles of Refinishing (CRR841)5 credits (2nd Sem)

AUTOMOTIVE TECHNOLOGY

The Automotive Technology program is designed to prepare students for employment in the automotive service industry. This technological program enables students to gain experience with shop tools, automotive engines, and electricity. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings in Automotive Technology. A second year of programming is available by arrangement for returning students.

Times available: M-F, 7:45-9:45 a.m. or 12:45-2:45 p.m.

COURSES INCLUDE:

- Intro to Auto Technology I (AUT111).6 credits (1st Sem)
- Intro to Auto Technology II (AUT112)6 credits (2nd Sem)

BUSINESS

The DMACC Business Academy is an exploratory academy for students who have an interest in entering the business profession but are not sure what pathway to take. Students are provided a foundation of courses that will prepare them for entrance into multiple business-related postsecondary opportunities. Fourteen DMACC credits are available upon completion of all DMACC Career Academy course offerings in Business.

Times available: M-F, 12:50-2:50 p.m.

COURSES INCLUDE:

- Career Development Skills (ADM221).2 credits
- Human Relations in Management (MGT145).3 credits
- Intro to Business (BUS102).3 credits
- Principles of Management (MGT101)3 credits
- Principles of Marketing (MKT110)3 credits

COMPUTER-AIDED DESIGN TECHNOLOGY

If you're a dependable team member with mechanical aptitude, attention to detail and analytical thinking skills, CAD Tech could be for you. Careers are available in computer-aided design (CAD), including drawing in both two-dimensional and three-dimensional realms, designing new products, creating models, and more. Through DMACC CAD Technology program, you'll learn how to use a variety of software packages, create prototypes, practice reverse engineering, perform geometric dimensioning, and more. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings in CAD Technology.

Times available: M-F, 12:45-2:45 p.m.

COURSES INCLUDE:

- CAD Graphics I (CAD151)6 credits (1st Sem)
- CAD Graphics II (CAD152)6 credits (2nd Sem)

COMPUTER PROGRAMMING

These courses provide an introduction to the latest in computer science and programming. Eighteen DMACC credits are available upon completion of all DMACC Career Academy course offerings in Computer Programming.

Times available: M-F, 7:45-9:45 a.m.

COURSES INCLUDE:

- C# (CIS169).3 credits (1st Sem)
- Intro to Programming Logic w/Logic (CIS125).3 credits (1st Sem)
- Introduction to Database (CIS303)3 credits (1st Sem)
- Database and SQL (CIS332)3 credits (2nd Sem)
- Intro HTML and CSS (WDV101)3 Credits (2nd Sem)

CRIMINAL JUSTICE

Students will be introduced to the field of criminal justice and encounter student project-based learning in Introduction to Criminal Justice, participate in hands-on experiences in Criminal Investigation, begin career exploration through tours and guest speakers in Survey of Criminal Agencies, and engage in service learning in Juvenile Delinquency. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings in Criminal Justice.

Times available: M-F, 7:30-9:30 a.m. or 12:50-2:50 p.m.

COURSES INCLUDE:

- Criminal Investigations (CRJ141).3 credits (1st Sem)
- Intro to Criminal Justice (CRJ100).3 credits (1st Sem)
- Juvenile Delinquency (CRJ201)3 credits (2nd Sem)
- Survey of Criminal Justice Agencies (CRJ107).3 credits (2nd Sem)

CULINARY ARTS

Through hands-on experience, students will learn scientific food-preparation principles, the hospitality industry and the fundamentals of dining and sanitation. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings in Culinary Arts. A second year of programming is available by arrangement for returning students.

Times available: M-F, 7:45-9:45 a.m. or 12:45-2:45 p.m.

COURSES INCLUDE:

- Food Preparation I (HCM143)3 credits (1st Sem)
- Food Preparation Lab I (HCM144)3 credits (1st Sem)
- Food Preparation II (HCM152)2 credits (2nd Sem)
- Food Preparation Lab II (HCM153).2 credits (2nd Sem)
- Sanitation & Safety (HCM100)2 credits (2nd Sem)

CYBERSECURITY

As technology becomes increasingly sophisticated, the demand for an experienced and qualified workforce to protect our nation's networks and information systems will continue to grow. Cybersecurity is a rapidly growing industry with ever-increasing workforce needs. The DMACC Career Academy on the Ankeny Campus provides state-of-the-art career and technical training and college credit to high school students looking to enter this field. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings in Cybersecurity.

Times available: M-F, 12:45-2:45 p.m.

COURSES INCLUDE:

- Administering Window Server (NET168).3 Credits (1st Sem)
- Applied Computer Security (NET166)3 Credits (1st Sem)
- Linux Network Admin (NET402)3 Credits (2nd Sem)
- Programming for Net Admins (NET202).3 Credits (2nd Sem)

DIESEL TECHNOLOGY

This program prepares students for a career in the area of diesel repair. Instruction is in the repair, maintenance and testing of diesel engines, power trains, and components of trucks and construction equipment. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings in Diesel Technology.

Times available: M-F, 12:45-2:45 p.m.

COURSES INCLUDE:

- Hydraulics & Brakes (DSL606) 6 credits (1st Sem)
- Power Trains I (DSL546) 6 credits (2nd Sem)

FASHION

Students will immerse themselves in a dynamic, creative environment with other students who are passionate about the fashion industry. Whether you want to design, learn the business, or discover the latest trends, we'll help them find their place in the fashion industry. Students in the DMACC Fashion Institute (DFI) Career Academy also get to participate in the annual DFI Fashion Show. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings in Fashion.

Times available: M-F, 12:50-2:15 p.m.

COURSES INCLUDE:

- Fashion Industry Analysis (APP261).3 Credits (1st Sem)
- *Fashion Design (APP240).3 Credits (1st Sem)
- Textile Science (APP209).3 Credits (2nd Sem)
- Creative Design Foundations (APP109)3 Credits (2nd Sem)
- *Ends at 2:45pm