DMACC Career Academy Ankeny Campus
2021-2022 Program Schedule

DMACC DES MOINES AREA COMMUNITY COLLEGE — CAREER ADVANTAGE

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.

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)
Principles of Refinishing (CRR841)..............................5 credits (2nd Sem)
Estimating Theory (CRR742)..2 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. A second year of programming is available for returning students by arrangement.

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 Business Academy is an exploratory academy for students who have an interest in entering the business profession but not sure what pathway they want to go. 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.

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

Career Development Skills (ADM221) ....2 credits (1st Sem)
Human Relations in Management (MGT145) ....3 credits (1st Sem)
Principles of Marketing (MKT110) ....3 credits (1st Sem)
Principles of Management (MGT101) ....3 credits (2nd Sem)
Intro to Business (BUS102) ....3 credits (2nd Sem)

COMPUTER-AIDED DESIGN TECHNOLOGY

If you're a dependable team member with mechanical aptitude, attention for detail, and analytical thinking, CAD Tech could be for you. Careers in computer-aided design, including drawing in both two-dimensional and three-dimensional realms, designing new products, creating models, and more. Through DMACC's computer-aided design (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.

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

Students have the opportunity to sign up for courses that 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.

Times available: M–F, 7:45–9:45 a.m.
COURSES INCLUDE:

Intro to Programming Logic w/Logic (CIS125)………...3 credits (1st Sem)
C# (CIS169)..3 credits (1st Sem)
Introduction to Database (CIS303)................................3 credits (1st Sem)
Advanced C# Programming (CIS174).........................3 credits (2nd Sem)
Database and SQL (CIS332)...3 credits (2nd Sem)
Software Project Application (CIS940)........................3 Credits (2nd Sem)

CIS940 will taught over 3 (5) week sessions, worth 1 credit each.

CRIMINAL JUSTICE

The Criminal Justice program introduces students into the field of criminal justice and a survey of its agencies, as well as an introduction to criminology and juvenile delinquency. This program prepares students to consider a career of service in a variety of areas, and lays the foundation of a college major of criminal justice. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings.

Times available: M–F, 7:45–9:45 a.m. or 12:50–2:50 p.m.
COURSES INCLUDE:

Intro to Criminal Justice (CRJ100).................................3 credits (1st Sem)
Survey of Criminal Justice Agencies (CRJ107) ....3 credits (1st Sem)
Criminology (CRJ200) ....3 credits (2nd Sem)
Juvenile Delinquency (CRJ201) ....3 credits (2nd Sem)

CULINARY ARTS

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

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)

CYBER SECURITY

As technology becomes increasingly sophisticated, the demand for an experienced and qualified workforce to protect our nation's networks and information systems will only continue to grow. Cyber Security 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 the field of Cyber Security. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings.

Times available: M–F 12:45–2:45 pm
COURSES INCLUDE:

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

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)

EMERGENCY MEDICAL TECHNICIAN (EMT)

Ready to make a difference? Emergency Medical Technician program will provide students with fundamental knowledge and skills needed to provide lifesaving services to your community. Six DMACC credits are available upon completion of all DMACC Career Academy course offerings. Students choose to enroll either in the fall or spring semester.
Students must be 17 years of age by the first day of class which is August 26, 2020.
In addition to classroom time, students will be required to attend clinical and field rotations during the course of the class which will require an investment of approximately 32 hours outside of the normal classroom hours. Students will also have to complete a criminal background check.
Times available: M–F 7:45–9:45 am (Fall or Spring Semester)
COURSES INCLUDE:

EMS 214 Emergency Medical Technician........6 credits (1st Sem/2nd Sem)

FASHION

Immerse yourself in a dynamic, creative environment with other students who are passionate about the apparel and interior fashion industry. Whether you want to design, learn the business, or discover the latest trends, we'll help you find your place in the fashion industry. Twelve DMACC credits are available upon completion of all DMACC Career Academy course offerings.
Times available: M–F, 12:50–2:15 p.m.
COURSES INCLUDE:

Textile Science (APP209)……………………………3 Credits (1st Sem)
Visual Merchandising Studio (APP235)…………...3 Credits (1st Sem)
Fashion Industry Analysis (APP261)……………...3 Credits (2nd Sem)
Interior Design Analysis (INT124)…………………3 Credits (2nd Sem)

For more information, visit us at
www.dmacc.edu/careeradvantage or contact:
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REGISTRATION OPENS JANUARY 4th, 2021

1) Visit www.dmacc.edu
Click on "Academics"
Click on "High School Programs"
Click on "Career Advantage Program"
Click on "Classes at DMACC"

2) Select the Academy location you wish to enroll
3) Complete the online pre-registration form.

All academy pre-registrations must be approved by your school counselor.

HEALTH OCCUPATIONS

This program will provide students the opportunity to explore careers in health care and work toward CNA training. Fourteen DMACC credits are available upon completion of all DMACC Career Academy course offerings.
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 75 Hours* (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 Careers/Bldg. Teams (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 Careers/Bldg. Teams (HSC109) ....3 credits (1st Sem)
Emergency Care (HSC101) ....1 credit (1st Sem)
Nurse Aide 75 Hours* (HSC172)................................. 3 credits (2nd Sem)
Advanced Nurse Aide* (HSC182)............................... 3 credits (2nd Sem)
Courses require extended clinical sessions in evenings and/or weekends.

MACHINE OPERATIONS/TOOL & DIE

Students will learn the basics of welding, automation, machine tool operation (CNC), computer-aided drafting and design (CAD), and other workplace skills. Eleven DMACC credits are available upon completion of all DMACC Career Academy course offerings.
Times available: M–F, 12:45–2:45 p.m.
COURSES INCLUDE:

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

VISUAL COMMUNICATIONS (GRAPHIC DESIGN/WEB)

Students will gain the skill set needed to produce at entry level within the graphic design industry. Coursework includes basic page layout, drawing, photo editing, design, type and Web. Software skills will be developed using several graphic-related programs: Adobe InDesign, Illustrator, Photoshop, Fireworks and Dreamweaver. Fifteen DMACC credits are available upon completion of all DMACC Career Academy course offerings.
Times available: M–F, 12:45–2:45 p.m.
COURSES INCLUDE:

Intro to Desktop Publishing (GRD301).........................3 credits (1st Sem)
Communication Design I (GRD403).............................3 credits (1st Sem)
Typography I (GRD405).. 3 credits (1st/2nd Sem)
Photoshop (GRD463)...3 credits (2nd Sem)
Interactive Media I (GRD470)..3 credits (2nd Sem)