

TEMPLETON REGIONAL CENTER
CAREER ADVANTAGE

LIBERAL ARTS/TRANSFER COURSES AND
HEALTH-RELATED CAREERS

The courses listed below meet basic general education course requirements for most associates and bachelors degrees (with the exception of CNA classes). They also provide a guide for students interested in pursuing careers in health-related occupations.

On DMACC schedules, R = Thursday

FALL SEMESTER

8:15–9:00 a.m.

PHY 106 Survey of Physics (4 credits) M, T, R, F

9:05–9:50 a.m.

SPC 101 Fund of Oral Comm (3 credits)..... M, R

PSY 111 Intro Psychology (3 credits)..... T, F

9:55–10:40 a.m.

BIO 104 Intro to Biology (4 credits)..... M, T, R, F

HSC 114 Medical Terminology (3 credits) T, F

HSC 109 Intro to Health Careers (3 credits) M, R

SPRING SEMESTER

8:15–9:00 a.m.

*CHM 122 Intro to General Chemistry (4 credits)..... M, T, R, F

9:05–9:50 a.m.

*MAT 157 Statistics (3 credits)..... M, T, R, F

*Placement Info:CHM 122 requires a min. ALEKS score of 30 or math ACT score of 19 or MAT 064 grade of C- or higher. MAT 064 requires a min. ALEKS score of 14; MAT 157 requires completion of MAT 064 or min. ALEKS score of 30.

9:55–10:40 a.m.

**HSC 172 CNA (3 credits) 1st Half of Semester

**HSC 182 Advanced CNA (3 credits)..... 2nd Half of Semester

ENV 115/116 Environmental Sci/Lab (4 credits)..... M, T, R, F

**Courses require extended clinical sessions in evening and/or weekends. Other restrictions may apply.

EXPLORATORY CAREER ACADEMY

This career academy will provide students exposure to several skilled trades including welding, advanced manufacturing, maintenance, electrical tech and construction trades. Upon completion of this year-long academy, students will have the opportunity to enroll in one of the specialized trades areas the following year.

Times available: M–F 7:30–9:20 a.m. or 1:10–3:00 p.m.

Principles of Electricity (ELT303)..... 3 Credits (1st Sem)

Welding Safety (WEL228)..... 1 Credit (1st Sem)

Communication Skills (COM703)..... 3 Credits (1st Sem)

Construction Blueprint Reading (CON337) 1 Credit (1st Sem)

Care/Use of Hand/Power Tools (CON 336)... 1 Credit (2nd Sem)

Motor Controls (ELT131)..... 3 Credits (2nd Sem)

Applied Math I (MAT 772)..... 3 Credits (2nd Sem)

Work-Based Learning (WBL 100/150) 2 Credits (Year)

YEAR 2 ELECTRICAL TRADES

The Electrical Trades program prepares students for entry-level positions in residential, commercial, and industrial electrical construction, electrical maintenance, and automation. Students also discover the many opportunities available in electrical trades.

Times available: M–F 9:50-11:40 a.m.

COURSES INCLUDE:

NEC Residential (ELT 147) 3 credits (1st Sem)

NEC Residential Lab (ELT 148)..... 3 credits (1st Sem)

NEC Commercial Industrial (ELT 172) 3 credits (2nd Sem)

NEC Commercial Industrial Lab (ELT 173).... 4 credits (2nd Sem)

YEAR 2 WELDING/ADVANCED MANUFACTURING

The courses in this academy provide students with an understanding of basic areas in industrial maintenance and GMAW welding. Students that complete the academy courses will earn a certificate in Production MIG welding.

Times Available: M–F 1:10-3:00 p.m.

COURSES INCLUDE:

Blueprint Reading (WEL 233)..... 3 credits (1st Sem)

GMAW Sh Cir (WEL 244)..... 2 credits (1st Sem)

GMAW Spray Transfer (WEL 245)..... 2 credits (1st Sem)

Hydraulics & Pneumatics (ELT 791)..... 3 credits (2nd Sem)

Hydraulics & Pneumatics Lab (ELT 792)..... 2 credits (2nd Sem)

These classes provide area high school students with excellent educational opportunities. Preregistration is handled by high school counselors and principals.

Specific courses may be subject to change.

STUDENT BENEFITS OF
CAREER ADVANTAGE:

- ▶ 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

For more information, visit us at
www.dmacc.edu/careeradventure
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DMACC CARROLL CAMPUS &
TEMPLETON REGIONAL CENTER
CAREER ADVANTAGE

DES MOINES AREA COMMUNITY COLLEGE



2023–2024 Program Schedule
DMACC CARROLL CAMPUS CAREER ADVANTAGE

906 N. GRANT ROAD, CARROLL, IA

DMACC TEMPLETON REGIONAL CENTER
CAREER ADVANTAGE

123 S MAIN STREET, TEMPLETON, IA

DMACC
DES MOINES AREA
COMMUNITY COLLEGE
Life's Calling™

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DMACC CARROLL CAMPUS

CAREER ADVANTAGE

LIBERAL ARTS/TRANSFER COURSES

Students can take liberal arts coursework in a variety of academic disciplines as they prepare to obtain an associates and/or bachelors degree. Students sign up for individual courses in this Academy, so the total number of credits will vary.

On DMACC schedules, R = Thursday

FALL SEMESTER

7:40 - 8:35 a.m.

**MAT 211 Calculus I (5 credits).....M, W, F

11:30 a.m. - 12:20 p.m.

SPC 101 Fund of Oral Comm (3 credits).....T, R

12:30 - 1:20 p.m.

SOC 110 Intro to Sociology (3 credits).....T, R

ENG 105 Composition I (3 credits).....M, W

SPC 101 Fund of Oral Comm (3 credits).....T, R

1:25 - 2:15 p.m.

ENG 105 Composition I (3 credits).....T, R

SPC 101 Fund of Oral Comm (3 credits).....M, W

2:15 - 3:05 p.m.

**CHM 122 Intro to Gen Chem (4 credits).....M, T, W, R

SPC 101 Fund of Oral Comm (3 credits).....T, R

HSV 109 Intro to Human Services (3 credits)M, W

SPRING SEMESTER

7:40 - 8:30 a.m.

MAT 217 Calculus II (5 credits)M, W, F

11:30 a.m. - 12:20 p.m.

PHY 160 General Physics I (5 credits)M, T, W, R, F

12:30 - 1:20 p.m.

HSV 130 Interviewing/Interpersonal Rel. (3 credits).....T, R

ENG 106 Composition II (3 credits).....M, W

SPC 101 Fund of Oral Comm (3 credits).....T, R

1:25 - 2:15 p.m.

**MAT 157 Statistics (3 credits).....M, W, R, F

SPC 101 Fund of Oral Comm (3 credits).....T, R

2:15 - 3:05 p.m.

**MAT 157 Statistics (2:20-3:10 p.m.) 3 credits.....M, W, R, F

SPC 101 Fund of Oral Comm (3 credits).....M, W

6:10 - 7:40 p.m.

SOC 110 Intro to Sociology (3 credits).....W

**Placement Info: CHM 122 requires a min. ALEKS score of 30 or math ACT score of 19 or MAT 064 grade of C- or higher. MAT 064 requires a min. ALEKS score of 14; MAT 157 requires completion of MAT 064 or min. ALEKS score of 30. MAT 211 requires a min. ALEKS score of 76

AUTOMOTIVE TECHNOLOGY

The Automotive Technology program is designed to prepare students for employment in the automotive service industry. This technological program allows students to gain experience with shop tools, automotive engines, brakes, suspension, and alignment. Twelve DMACC credits are available upon completion of first-year DMACC Career Academy course offerings. A second year provides students with an additional 13 DMACC credits.

Times available: Year 1 M-F 7:30-9:20 a.m. or 1:10-3:00 p.m.

Year 2 M-F 9:50 a.m.-11:40 a.m.

COURSES INCLUDE:

Year 1

Intro to Auto Tech I (AUT111) 6 Credits (1st Sem)

Intro to Auto Tech II (AUT112) 6 Credits (2nd Sem)

Year 2

Auto Engine Repair (AUT163) 3 Credits (1st Sem)

Auto Electrical I (AUT601) 4 Credits (1st Sem)

Auto Electrical II (AUT612) 4 Credits (2nd Sem)

Auto Service Management (AUT870) 2 Credits (2nd Sem)

Students will earn a certificate in Automotive Minor Repair and Vehicle Maintenance after completion of all courses.

WORK-BASED LEARNING

In this Academy, students will explore different career options, learn about job placement procedures, and participate in a seminar that examines current work trends and issues. All students are given the opportunity to receive work experience in various industries.

Times available: M-F 7:30-9:20 a.m. or 1:10-3:00 p.m.

COURSES INCLUDE:

Exploring Careers (WBL100)1 Credit (1st or 2nd Sem)

Employability Skills (WBL110).....2 Credits (1st or 2nd Sem)

Job Shadowing (WBL150)1 Credit (1st or 2nd Sem)

HEALTH OCCUPATIONS

This program provides students the opportunity to explore careers in healthcare and work toward CNA training. Twelve credits are available upon completion of all DMACC Career Academy course offerings. Students with a criminal history may be excluded from this program.

*Courses require extended clinical sessions in evenings and/or weekends.

Other restrictions may apply.

Times available: CNA/Advanced CNA

Fall Semester: 6:00-7:30 a.m.

Spring Semester: 4:00-9:00 p.m.

Intro to Health Careers: TR 7:40-8:35 a.m.

Medical Terminology: TR 7:40-8:35 a.m.

COURSES INCLUDE:

*Nurse Aide (HSC172)3 Credits (1st or 2nd Sem)

*Advanced Nurse Aide (HSC182)3 Credits (1st or 2nd Sem)

Intro to Health Careers (HSC109).....3 Credits (1st Sem)

Medical Terminology (HSC120).....3 Credits (2nd Sem)

TEACHER ACADEMY

The Teacher Academy provides students with an opportunity to explore education-related professions and take part in real-life teaching experiences. Students will shadow elementary and secondary school teachers during portions of their assigned class time. These courses transfer into many teacher education programs and some paraeducator certificates. Fourteen DMACC credits are available upon completion of this DMACC Career Academy.

Times available: M-F 1:10-3:00 p.m.

COURSES INCLUDE:

Foundations of Education (EDU210).....3 credits (1st Sem)

Exploring Careers (WBL100)1 credit (1st Sem)

Developmental Psychology (PSY 121).....3 credits (1st Sem)

Initial Field Experience (EDU218)2 credits (2nd Sem)

Electronic Portfolio Development (SDV164)2 credits (2nd Sem)

Educational Psychology (PSY 281)3 credits (2nd Sem)

WELDING

This program allows students to engage in experiential learning in the area of welding. Students will earn a Production MIG Welding Certificate upon completion of all DMACC Career Academy course offerings.

Times available: M-F 7:30-9:20 a.m. or 1:10-3:00 p.m.

COURSES INCLUDE:

Welding Safety/Health (WEL228)1 Credit (1st Sem)

Applied Math I (MAT772)3 Credits (1st Sem)

GMAW Sh Cir Transfer (WEL244)2 Credits (1st Sem)

Print Read/Sym Inter (WEL233).....3 Credits (2nd Sem)

GMAW Spray Transfer (WEL245)2 Credits (2nd Sem)

Inspection/Test Prin (WEL254)1 Credits (2nd Sem)

COMPUTER PROGRAMMING

This Academy meets virtually every day, so students can attend from anywhere. Students are provided a foundation of computer science and programming courses that will prepare them to create business solutions by designing, writing, and executing computer programs. A total of 24 DMACC credits can be earned in this Academy. Upon completion of both years, students will earn certificates in C# Application Developer and Java Application Developer. The courses also apply toward the diploma and associate degree.

Times available: Year 1 Meets Virtually
M-F 8:00-9:15 a.m. or 2:10-3:25 p.m.

Year 2 Meets Virtually

M-F 10:00-11:15am

COURSES INCLUDE:

Year 1

Intro to Programming w/Logic (CIS125).....3 credits (1st Sem)

C# (CIS169)3 credits (1st Sem)

Intro to HTML and CSS (WDV101).....3 credits (2nd Sem)

Java (CIS171)3 credits (2nd Sem)

Year 2

Intro to Databases (CIS303)3 credits (1st Sem)

Advanced C# (CIS174)3 credits (1st Sem)

Database and SQL (CIS332).....3 credits (2nd Sem)

Java II (CIS175).....3 credits (2nd Sem)