

## TABLE OF CONTENTS

WELCOME LETTER .....	1
APPLICATION PROCEDURES AND CHECKLIST.....	2
STELLANTIS/DMACC CAREER AUTOMOTIVE PROGRAM.....	3
EXPECTED RESPONSIBILITIES OF PARTICIPANTS.....	5
MOPAR CAP ADMINISTRATION .....	7
CONTACT PERSONS FOR MOPAR CAP .....	9
ADVISORY COMMITTEE .....	10
INSTRUCTIONAL STAFF.....	11
TUITION AND FEES .....	12
STUDENT FINANCIAL PLANNING GUIDE.....	13
MOPAR CAP SCHEDULE.....	14
MOPAR CAP CURRICULUM.....	15
STELLANTIS EMBEDDED COURSES.....	18
PROPOSED MOPAR CAP PAY PLAN.....	19
MOPAR CAP TOOL LIST .....	20
CAMPUS MAP .....	24

## ATTACHMENTS

STUDENT INFORMATION AND ASSESSMENT RESULTS FORM  
CANDIDATE EMPLOYMENT AGREEMENT FORM



Thank you for considering Des Moines Area Community College (DMACC) and the Stellantis Career Automotive Program (CAP). This program is one of the finest automotive training programs in America.

MOPAR CAP, co-sponsored by DMACC and Stellantis is a two-year automotive program designed to upgrade the technical competence and professional level of entry level, Stellantis dealership technicians. The curriculum, designed by Stellantis and DMACC, leads to an Associate in Applied Science Degree in Automotive Technology.

DMACC's automotive program is a nationally recognized, award winning program with instructors who are highly qualified, Stellantis trained, and who regularly attend technical update classes. The DMACC automotive building is an up-to-date modern training facility.

We use late model vehicles (donated by Stellantis) for use in technician training. These cars are equipped with the latest in automotive technology including electronic controls, antilock brake systems, electronic transmissions, and on-board vehicle diagnostics.

I look forward to your participation in the MOPAR CAP Program as you prepare for a rewarding career as a Chrysler, Dodge, Jeep, Ram, and Stellantis dealership technician. If you have any questions, please contact me at 515-964-6370 or [cacornelius@dmacc.edu](mailto:cacornelius@dmacc.edu).

Sincerely,

*Curt Cornelius*

Curt Cornelius  
MOPAR CAP Program Chairperson

<b>Ankeny Campus</b> 2006 S. Ankeny Boulevard Ankeny, Iowa 50021 515-964-6200	<b>Boone Campus</b> 1125 Hancock Drive Boone, Iowa 50036 515-432-7203	<b>Carroll Campus</b> 906 N. Grant Road Carroll, Iowa 51401 712-792-1755	<b>Newton Campus</b> 600 N. 2nd Avenue W. Newton, Iowa 50208 515-791-3622	<b>Urban Campus</b> 1100 7th Street Des Moines, Iowa 50314 515-244-4226	<b>West Campus</b> 5959 Grand Ave West Des Moines, IA 50266 515-633-2400
---	--	---	--	--	---

**MOPAR CAP  
APPLICATION PROCEDURES AND CHECKLIST**

These are the procedures an applicant must successfully complete to become accepted as a MOPAR CAP student. Check off each step when completed.

- \_\_\_\_\_ 1. Complete the DMACC Application for Admissions online at [www.dmacc.edu](http://www.dmacc.edu). Click on the Admission tab, and then go to “Apply Now”.
  
- \_\_\_\_\_ 2. Once you have completed the pre-acceptance tests, schedule a personal interview with the CAP Program Chairperson. Call 515-964-6370 or email [cacornelius@dmacc.edu](mailto:cacornelius@dmacc.edu) to schedule this interview. At the interview, you will go over your test scores, program requirements, the Candidate Information Form, internship forms, and your goals as a CAP student at DMACC and in a Stellantis dealership.
  
- \_\_\_\_\_ 3. Schedule an appointment for an interview with a dealer or service manager in a participating Stellantis dealership. Take the Candidate Information Form to your interview. **It is the student’s responsibility to locate his/her own employer, and you must be employed by a Stellantis dealership to be in the CAP Program.** Students experiencing difficulty in locating an employer should contact the MOPAR CAP Program Chairperson.
  
- \_\_\_\_\_ 4. After a dealer agrees to employ you, bring the completed Employment Agreement Form to the MOPAR CAP Program Chairperson.
  
- \_\_\_\_\_ 5. Students will receive a letter of acceptance to the college after all pre-acceptance requirements are complete. You will then be notified as to the date of orientation and registration for classes.

## CHRYSLER/DES MOINES AREA COMMUNITY COLLEGE CAREER AUTOMOTIVE PROGRAM

The MOPAR Career Automotive Program (CAP) is a six-semester automotive program designed to educate and train individuals for careers as Stellantis automotive service technicians. The curriculum leads to an Associate in Applied Science degree. The program involves attending classroom lectures and participating in laboratory activities using Stellantis products at Des Moines Area Community College (DMACC). In addition, the student will assume a position as an entry-level dealer service technician intern in a Stellantis dealership.

DMACC is located 7 miles north of Des Moines, 2 miles west of I-35 (Exit 90), and 1 mile south of Ankeny on US 69 (see map on page 24).

### Program Schedule

The program lasts six semesters. Half of the time is spent attending classes at DMACC, the remaining time is spent as an intern in the employing Stellantis dealership. Each specialized subject is taught in DMACC classrooms and laboratories for a specific number of weeks. This academic training is then followed by related, supervised work experience with a dealership. A list of tasks related closely to the course work completed at DMACC is used at the dealership to identify needed work experience.

### Dealer/Employer

Since considerable time is spent at the dealership, it is a requirement of the program that each student be employed by a Stellantis dealership. **It is the prospective student's responsibility to locate their own Stellantis dealer/employer.** If necessary, students will receive assistance in locating a dealer. The dealership will provide training-related employment for the student during his/her work experience periods. Since students earn while they learn, a considerable portion of the cost involved in the program is offset by the income earned during the internships.

### Program Costs

All tuition, fees and textbook costs are the responsibility of the MOPAR CAP student. The two-year program costs are **approximately** \$13,505 for tuition/fees and \$850 for books. Non-resident tuition is approximately \$27,010. However, non-resident students should see the MOPAR CAP Program Chairperson on eligibility for a non-resident tuition waiver.

In addition to the tuition, fees and textbook costs, students are also responsible for a prescribed basic hand tool set (see page 20). These tools will be needed by the first week of classes. The **approximate initial cost** of the tool set is \$3,000\*\* with an additional minimum cost of \$500 required to upgrade the set throughout the program. Students can select any brand of tools or use their own existing set if it meets MOPAR CAP requirements. DMACC staff members will assist students in obtaining an educational discount for most popular tool brands. The total cost of the two-year program including tuition, fees, books and tools is **approximately** \$17,855; for out of state residents it is **approximately** \$31,360.

\* *Tuition rate is an estimate only, and is subject to Board approval.*

\*\**Prices vary depending on brand and upgrade options, and does not include the cost of a tool box.*

### Program Benefits

Unlike conventional programs where the student goes to college and then secures a job, at DMACC, the MOPAR CAP student secures an employer before starting the program. This program requires some effort on the part of the student. However, the benefits are worth the effort.

MOPAR CAP students learn the skills necessary for entry into a highly skilled profession along with the opportunity to practice and develop these skills with a considerable amount of on-the-job training. MOPAR CAP helps to develop the diagnostic skills needed to work on today's automobile and start a career as a Stellantis dealer service technician.

MOPAR CAP students build a Stellantis training history as they attend classes at DMACC. Many of the service training standards required of the Stellantis dealers can be met by employing MOPAR CAP students and retaining them after graduation.

### Student Wages

One of the most frequently asked questions by dealers is what to pay their MOPAR CAP students. Pay rates are negotiated between the students and their dealerships. As a guide, rates for students on internship have run between \$15.00 per hour up to \$18.00 per hour. In some cases, dealers are also helping the student with school expenses.

If you would like additional information on these topics, please feel free to contact us.

Curt Cornelius, Program Chairperson & Instructor  
MOPAR CAP Program  
515-964-6370  
Email: [cacornelius@dmacc.edu](mailto:cacornelius@dmacc.edu)

Mark Armbrecht, Instructor  
MOPAR CAP Program  
515-965-7166  
Email: [maarmbrecht@dmacc.edu](mailto:maarmbrecht@dmacc.edu)

## **EXPECTED RESPONSIBILITIES OF PARTICIPANTS**

### **DES MOINES AREA COMMUNITY COLLEGE**

- Appoint a person with administrative responsibility for all aspects of MOPAR CAP at the college (MOPAR CAP Coordinator).
- Assist dealers with student selection process and recruiting.
- Furnish program information on request.
- Provide on-campus instruction in accordance with the approved MOPAR CAP curriculum.
- Maintain student scholastic records.
- Provide academic advisement.
- Keep dealers and Stellantis informed regarding students' academic progress and/or potential problems.
- Advise the Regional College Coordinator at end of each semester.
- Identify competencies to be gained during work experience at dealership.
- Work with dealership MOPAR CAP contact person to assure attainment of work experience competencies.
- Provide MOPAR CAP instructors with professional leave to attend Stellantis classes to meet MOPAR CAP Instructor Standards.
- Furnish enrollment information to Stellantis.
- Devise and implement a promotional plan.

### **STELLANTIS CHRYSLER CAP STUDENT**

- Obtain and maintain Stellantis dealer employment.
- Provide employer (Stellantis dealer) with responsible and productive employment.
- Maintain a 2.0 GPA.
- Adhere to attendance policy as established by DMACC Automotive Department.
- Participate in all learning activities at the scheduled times.
- Be responsible for program costs: tuition, fees, books, tools, safety glasses, housing, and complete a DMACC Student Personal Health History form.
- Wear appropriate work uniforms during campus and dealership training.
- Participate in dealership service meetings during internships and any other training provided by the dealership.

### **STELLANTIS DEALER**

- Appoint a dealership contact person to guide students in their work experiences and maintain close communication with DMACC.
- Interview and select prospective student(s).
- Agree to provide "dealership coordinated work experience" in accordance with the program schedule for the duration of the curriculum.
- Agree to pay MOPAR CAP student(s) during periods of dealership-coordinated work experience based on the trainee's experience and ability.
- Agree to provide student with incentive pay raises each internship based on the trainee's ability and performance.
- Provide related work experience that supplements the trainee's most recent instruction (to the extent possible.)
- Provide consideration consistent with other dealership employees, such as uniforms, etc.
- Attend MOPAR CAP Advisory Committee meetings.

**STELLANTIS CHRYSLER CORPORATION**

- Provide Stellantis training to involved college instructors.
- Furnish college with Stellantis vehicles, special tools, and components to be used in MOPAR CAP instruction.
- Provide college with essential training materials, including Stellantis Training Center service manuals and specialized class materials.
- Monitor and participate in student selection procedures.
- Monitor all phases of the program to assure success.
- Participate in the MOPAR CAP promotional plan.
- Identify dealers interested in employing a MOPAR CAP student so that those dealership names can be made available to prospective students.

## **MOPAR CAP ADMINISTRATION**

The STELLANTIS MOPAR CAP Program at DMACC is administered through the Automotive Technology Program within the Industry and Technology Division.

Jenny Foster, Dean of Industry and Technology, and Curt Cornelius, MOPAR CAP Program Chairperson, perform the duties of coordinating the MOPAR CAP program.

The MOPAR CAP Coordinator's duties are to:

1. Prepare and implement the MOPAR CAP Business Plan which includes:
  - a. Linkages with Stellantis, the Dean's office, counseling services, and the Office of Grants and Contracts.
  - b. Information regarding general education requirements, student selection, and the MOPAR CAP curriculum.
2. Provide operational decision-making and problem-solving pertaining to students, dealers, and MOPAR CAP resources.
3. Provide MOPAR CAP instructors with leave time for Stellantis instructor technical training.
4. Attend Regional and National MOPAR CAP meetings.

### **STELLANTIS MOPAR CAP Instructors**

MOPAR CAP instructors will be fully trained by Stellantis LLC and other affiliated organizations. DMACC will provide MOPAR CAP instructors with a minimum of three weeks per year of professional leave to attend Stellantis classes to ensure that the instructors are fully trained in appropriate subject areas. Some MOPAR CAP instructors will be cross-trained in subjects outside of their assigned teaching area(s).

MOPAR CAP instructors will be trained by attending various Stellantis or product seminars. Some of this training will be in the form of:

1. Stellantis Training Center classes
2. MOPAR CAP Instructor Training classes
3. Equipment Manufacturer classes



### **WORK EXPERIENCE/INTERNSHIP COORDINATOR**

The MOPAR CAP instructors also serve as internship coordinators. This arrangement will provide the instructor immediate feedback on the effectiveness of the instruction and permits the in-dealership coordinator to work closely with the MOPAR CAP student's college instructors. This direct communication will result in the best possible application of college instruction being put to use in the dealership.

The MOPAR CAP internship coordinator will have contact with the student at least monthly. The MOPAR CAP student will log their work experience daily and submit these reports on a weekly basis to the MOPAR CAP Coordinator. During each internship the MOPAR CAP internship coordinator, the in-dealership coordinator, and the MOPAR CAP student shall have at least one formal conference. A Dealership Questionnaire and Student Report will be completed by the MOPAR CAP internship coordinator at each visitation.

### **MOPAR CAP INTERNSHIP**

The internship is vital to the dealership and the MOPAR CAP student. The dealer's investment will be greatly enhanced by providing work experience that compliments the previous semester's course work. Each student and dealer coordinator will be given an internship outline and task list. It is the responsibility of the student to check off each task as it is completed. It is the responsibility of the dealer coordinator to provide work in those areas the student has just completed classroom instruction. Through this cooperation, the skills taught in class can be fully developed and the dealership will profit from the student's growth.

**DES MOINES AREA COMMUNITY COLLEGE  
MOPAR CAREER AUTOMOTIVE PROGRAM (CAP)**

**Contact Persons**

**Curt Cornelius, Chairperson**

MOPAR CAP Program  
DMACC  
2006 S. Ankeny Blvd., Bldg. 13  
Ankeny, IA 50023  
515-964-6370  
[cacornelius@dmacc.edu](mailto:cacornelius@dmacc.edu)

**Jenny Foster, Dean**

Industry & Technology Programs  
DMACC  
2006 S. Ankeny Blvd., Bldg. 3W  
Ankeny, IA 50023  
515-964-6692  
FAX: 515-964-6203  
[jlfoster1@dmacc.edu](mailto:jlfoster1@dmacc.edu)

**Mark Armbrecht, Instructor**

MOPAR CAP Program  
DMACC  
2006 S. Ankeny Blvd., Bldg. 13  
Ankeny, IA 50023  
515-965-7166  
[maarmbrecht@dmacc.edu](mailto:maarmbrecht@dmacc.edu)

**Matt Schneiderman, Pathway Navigator**

Transport/Industry & Technology, DMACC  
2006 S. Ankeny Blvd., Bldg. 13  
Ankeny, IA 50023  
515-965-6024 office  
515-229-4951 cell (preferred)  
[mjschneiderman@dmacc.edu](mailto:mjschneiderman@dmacc.edu)

**Michael Hughart, Admin Asst.**

Automotive Department  
DMACC  
2006 S. Ankeny Blvd., Bldg 13  
Ankeny, IA 50023  
515-964-6232  
[mrhughart@dmacc.edu](mailto:mrhughart@dmacc.edu)

**The primary MOPAR CAP information contact is John Russell.**

**DMACC – INDUSTRY & TECHNOLOGY/AUTOMOTIVE TECHNOLOGY  
CAP ADVISORY COMMITTEE**

The main purpose of the MOPAR CAP Advisory Committee is to further the quality of technician education both at the dealer level and at school.

The MOPAR CAP Advisory Committee is made up of the following people: Stellantis dealership representatives, college representatives, Stellantis Corporation representatives, and one present or graduate student representative. Each dealer who sponsors a MOPAR CAP student will be asked to provide one person to attend the Advisory Committee meetings, and one person to provide technical expertise for curriculum issues.

For more information on Advisory Committee members or responsibilities, contact Curt Cornelius, MOPAR CAP Program Chairperson, at 515-964-6370, or [cacornelius@dmacc.edu](mailto:cacornelius@dmacc.edu).

**MOPAR CAP INSTRUCTIONAL STAFF****CURT CORNELIUS**

3 years DMACC instructor  
ASE Certified- Master Auto Technician  
ASE Certified- L1 Advanced Engine Performance  
A.A.S. Des Moines Area Community College, Ankeny, Iowa

**MARK ARMBRECHT**

29 years DMACC instructor  
5 years Stellantis dealership experience  
33 years of ongoing Stellantis training  
ASE Certified – Master Auto Technician  
ASE Certified – L1 Advanced Engine Performance  
ASE Certified – L3 Light Duty Hybrid/Electric Vehicle  
ASE Certified – L4 Advanced Driver Assistance Systems  
ASE Certified – Alternative Fuels  
ASE – Light Vehicle Diesel Engines  
ASE Certified – L2 Electronic Diesel Engine Diagnosis  
ASE Certified – Medium/Heavy Duty Truck – Diesel Engine, Gas Engine and Electrical Systems  
ASE Certified – Collision Repair – Electrical and Mechanical  
A.A.S., Hawkeye Community College, Waterloo, IA

## TUITION AND FEES

---

### Tuition

Tuition for credit offerings (resident students):

Full- or part-time enrollment (per credit) ..... \$ 185.00\*

Non-resident students need to see the MOPAR CAP Program Chairperson on eligibility for non-resident tuition waiver.

\* Tuition and fee rate is an estimate only. DMACC reserves the right to change tuition and fees.

\* All fees are non-refundable.

---

### Financial Aid

All financial assistance available to DMACC students, is administered by, the Ankeny Campus Financial Aid Office. Students may receive assistance in the form of scholarships, grants, loans, and/or part-time employment, depending on eligibility.

How to apply: The Free Application for Federal Student Aid (FAFSA) is available online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov) as of October 1<sup>st</sup> of each year.

When to apply: Apply for financial aid as soon as you can, it can take several months for these applications to be processed. It is necessary to reapply each year.

*Contact the DMACC Financial Aid Office for additional information  
515-964-6283*

## STUDENT FINANCIAL PLANNING GUIDE

	2024 Fall Semester	2025 Spring Semester	2025 Summer Semester	2025 Fall Semester	2026 Spring Semester	2026 Summer Semester	Total Cost
Tuition & Fees**	\$ 2,220	\$ 2,590	\$ 1,850	\$ 2,405	\$ 2,775	\$ 1,665	\$13,505*
Tools***	\$ 3,000	\$ 100	\$ 100	\$ 100	\$ 100	\$ 100	\$ 3,500*
Books*	\$ 450	\$ 150	\$ 250	\$ 0	\$ 0	\$ 0	\$ 850*
Total*	\$ 5,670	\$ 2,840	\$ 2,200	\$ 2,505	\$ 2,875	\$ 1,765	\$17,855*

\* Costs are approximate figures.

\*\* For out-of-state costs -- see Tuition and Fees, see previous page.  
Des Moines Area Community College reserves the right to change tuition and fees.

\*\*\* Tool cost includes substantial initial discounts. Your investment may vary from these cost estimates depending on brand purchased.

## HOUSING –

Des Moines Area Community College does not provide dormitories. See below for various housing options.

- Campus View Apartments, located on the northwest part of the Ankeny campus, and managed through Houser Enterprises, offer DMACC students furnished apartments with a number of amenities. For more information, please contact Mariah Mullens, Campus View Property Manager, at 515-964-7474, or send an email to [mariah@thevillaslife.com](mailto:mariah@thevillaslife.com).
- Prairie Pointe Student Living, located next to the Ankeny DMACC Campus, just a short walk away from class, offers 3 and 4 bedroom furnished apartments. The clubhouse hangout includes a coffee bar, theater room, tanning booth, and fitness center—all included in your monthly rent. For more information on Prairie Pointe, contact Jacob Bruxvoort, Community Manager, at 515-422-9882, or visit [www.info@prairiepointeliving.com](http://www.info@prairiepointeliving.com)
- Campus Town Student Housing, located south of Ankeny DMACC campus, just across the street, offers 1, 2, and 3 bedroom furnished apartments with individual leases, roommate matching, and one easy monthly rent payment that includes all utilities and internet. For more information on Campus Town, call Ariel Carter, 515-289-0700, or send an email to [ariel@thevillaslife.com](mailto:ariel@thevillaslife.com).
- There is also other off-campus housing through various sources. For more information on housing opportunities, contact the DMACC Housing Office at 515-964-6200, or visit the DMACC website at [go.dmacc.edu/housing](http://go.dmacc.edu/housing)

**MOPAR COLLEGE AUTOMOTIVE PROGRAM  
(CAP) SCHEDULE 2024-2026**

COURSES	CREDITS	AT DMACC	AT DEALERS
<u>FALL 2024</u>			
AUT 114 Shop Fund/Minor Service	4	8/21/24 – 12/12/24	
SDV 108 The College Experience	1		
AUT 615 Auto Electricity/Electronics	4		
MAT 772 Applied Math	3		
	Total 12		
<u>SPRING 2025</u>			
AUT 524 Auto Brake Systems & Serv.	4	1/6/25 – 3/05/25**	3/05/25 – 5/02/25** (Technical Internship 1)
AUT 404 Basic Suspension & Steering	4		
PHY 710 Technical Physics	3		
ATC 320 Technical Internship I	3		
	Total 14		
<u>SUMMER 2025</u>			
AUT 163 Automotive Engine Repair	3	5/19/25 – 6/26/25**	6/27/25 – 8/01/25** (Technical Internship 2)
AUT 704 Auto Heating & AC	4		
ATC 330 Technical Internship II	3		
	Total 10		
<u>FALL 2025</u>			
AUT 652 Adv. Automotive Electricity	3	8/21/25 – 10/15/25**	10/17/25 – 12/12/25** (Technical Internship 3)
AUT 834 Automotive Fuel Systems	4		
COM 703 Communication Skills	3		
ATC 340 Technical Internship III	3		
	Total 13		
<u>SPRING 2026</u>			
AUT 254 Basic Automotive Power Train	5	1/05/26 – 5/04/26**	
AUT 842 Auto Computerized Eng Controls	4		
AUT 255 Advanced Powertrains	6		
	Total 16		
<u>SUMMER 2026</u>			
ATC 350 Technical Internship IV	3	6/26/26 – 8/06/26**	5/05/26 – 6/25/26** (Technical Internship 4)
AUT 847 Electrical Systems Diagnosis	3		
PSY 102 Human Work Relations	3		
	Total 9		
GRADUATION August 6, 2026**		Total Credits: 73	

**\*\*These dates are estimates only. DMACC reserves the right to change dates and/or the sequence of courses as needed.**

**MOPAR CAP CURRICULUM****AUT 114      Shop Fundamentals & Minor Service      Credits: 4**

Course description: Study of the organizational structure in a dealership/repair facility as it relates to the technician. Students use service manuals, electronic troubleshooting manuals and service bulletins. The course will also develop competencies in entry-level tasks required when working in a dealership or repair facility.

**AUT 163      Automotive Engine Repair      Credits: 3**

Course description: Course will provide instruction in the theory and operation of the 4-stroke cycle engines. Emphasis will be placed on both design and proper disassembly/reassembly procedures.  
Prerequisite(s) – AUT 114

**AUT 254      Basic Automotive Powertrain      Credits: 5**

Course description: Principles of operation and construction of automotive power trains. Includes instruction in the theory of hydraulic and planetary systems in automatic transmissions.  
Prerequisite(s) – none

**AUT 255      Advanced Automotive Powertrain      Credits: 6**

Course description: Instruction on powertrain and drive line systems. Proper diagnosis procedures, service and repair will be emphasized through hands-on experience.  
Prerequisite(s) – AUT 242

**AUT 404      Automotive Steering & Suspension      Credits: 4**

Course description: Instruction in the theory of operation and service procedures used in the maintenance and repair of automotive steering and suspension systems.  
Prerequisite(s) – none

**AUT 524      Automotive Brake Systems & Service      Credits: 4**

Course description: Instruction in the theory of operation and service procedures of automotive brakes.  
Prerequisite(s) – none

**AUT 615      Auto Electricity/Electronics      Credits: 4**

Course description: Provides instruction in theory and operation of automotive electrical circuits. Safety, meters and service information will be emphasized.  
Prerequisite(s) – none

**AUT 652      Advanced Automotive Electricity      Credits: 3**

Course description: Provides instruction in the diagnosis, repair and service of electrical and electronic components found on current vehicles.  
Prerequisite(s) – AUT 615

**AUT 709      Automotive Heating and Air Conditioning      Credits: 4**

Course description: Provides instruction in the theory of operation of auto air conditioning and heating systems as well as diagnosing and servicing auto air conditioning and heating systems.



**AUT 834      Automotive Fuel Systems      Credits: 4**

Course description: A course designed to acquaint the student with basic fuel system principles. Instruction will be offered in the theory, cleaning, repair, and adjustment of automotive fuel systems.

Prerequisite(s) – none

**AUT 842      Auto Computerized Engine Controls      Credits: 4**

Course description: This course builds upon the knowledge and skills learned in previous automotive courses to prepare the student to service On-Board Diagnosis 2 computer controlled vehicles. The theory and operating principles of automotive computers, sensors, and control devices will be emphasized. Lab instruction on late model cars will be included.

Prerequisite(s) – AUT 834

**AUT 847      Electrical Systems Diagnosis      Credits: 3**

Course description: Instruction in techniques and procedures required to diagnose and service microprocessor-controlled body electrical systems.

Prerequisite – AUT 615, AUT 652

**ATC 320      Technical Internship I\*      Credits: 3**

Course description: The technician will work in a participating dealership. The work will be full time, approximately 40 hours per week. The tasks will be consistent with the technician's ability and previous course work. A task list will be issued to each dealer.

Prerequisite(s) – AUT 114, AUT 404, AUT 524, AUT 615

**ATC 330      Technical Internship II\*      Credits: 3**

Course description: Work experience at a participating dealership. The tasks will be consistent with the technician's ability and previous course work.

Prerequisite(s) – AUT 114, AUT 404, AUT 524, AUT 615

**ATC 340      Technical Internship III\*      Credits: 3**

Course description: Work experience at a sponsoring dealership. The tasks will be consistent with the technician's ability and previous course work.

Prerequisite(s) – AUT 163, AUT 652, AUT 704, AUT 834

**ATC 350      Technical Internship IV\*      Credits: 3**

Course description: Work experience at a participating dealership. Tasks will be consistent with the technician's ability and previous course work.

Prerequisite(s) – ATC 328, ATC 340

*\* The students will be working full - time for a minimum of 1/2 semester. The internships may be longer since the students will work during college breaks*

**RELATED COURSES:**

**COM 703 - Communication Skills\*\*** Credits: 3

Emphasis on reading and evaluating industry-related literature and on applying the principles of clearness, conciseness, and correctness in written and oral communication.

**MAT 772 – Applied Math\*\*** Credits: 3

A course in elementary mathematical skills for technicians. Topics covered include fundamental operations with whole numbers, fractions, decimals, and signed numbers; percents; geometric figures and basic constructions; area and volume formulas; English/metric systems; measurements; and the interpretation of graphs and charts.

**PHY 710 – Technical Physics\*\*** Credits: 3

A physics course for students of technology. Topics include: forces, work, energy, materials, heat, electricity, and magnetism, with a strong emphasis on practical applications.

**PSY 102 – Human and Work Relations** Credits: 3

Emphasizes an awareness of the factors inherent in human relationships and psychological adjustment patterns of individuals and groups. Effort is made to develop the techniques of interpersonal relations and coping.

\*\* These related courses meet minimum standards required for a MOPAR CAP AAS degree. These classes may not transfer to a four-year university. If you are planning to transfer at a later date, see the MOPAR CAP Chairperson for substitute courses.

### STELLANTIS TRAINING CENTER EMBEDDED COURSES IN MOPAR CAP COURSE OF STUDY

An added benefit to Stellantis dealers employing a MOPAR CAP student is the training record these students will earn. The MOPAR CAP Program includes approximately 40 Stellantis courses embedded into the curriculum. Students will receive credit for these courses and begin to build a substantial training record. **Upon graduation** the Stellantis dealer will receive credit for the student's training. MOPAR CAP graduation also fulfills prerequisites for many advanced Stellantis courses. The embedded courses are updated yearly to reflect changes in service training standards. For a copy of this years' embedded course list, please contact Curt Cornelius at 515-964-6370 or [cacornelius@dmacc.edu](mailto:cacornelius@dmacc.edu).

## PROPOSED MOPAR CAP PAY PLAN...A GUIDE FOR DEALERS

Purpose: To provide direction to Stellantis, Stellantis Dealers in the development of a pay plan for their MOPAR CAP students that will address the following issues:

1. Provide a fair and competitive wage.
2. Develop an incentive plan that will reward the MOPAR CAP intern for academic performance and dealership productivity.
3. Provide regular salary increases as knowledge and skills increase.
4. **Encourage the MOPAR CAP intern to remain at the dealership after graduation.**

Important points to remember about a MOPAR CAP intern:

1. The intern is a **trainee** - not a line technician.
2. The intern should be assigned to work with an experienced line technician who will function as a “training technician.”
3. The intern is paid a salary. Staff efficiency is not charged against the intern.
4. Staff efficiency may be **tracked**.
5. The hours “flagged” by the intern are paid to the “training technician.”
6. **MOPAR CAP interns gauge their value to the dealership by how they feel they are treated and how they are paid.**

### Remember:

- Treat the intern as a valuable employee.
- Provide the related training the intern is paying for.
- Pay a fair wage.
- Provide an incentive program that allows the intern a regular increase in wages based on performance.

## DMACC MOPAR CAP PROGRAM REQUIRED TOOL AND SUPPLY LIST

*These tools should be of professional quality and should meet the standards of the automotive industry. Students must have their tools at school when they are attending classes at the college. The tools will be needed by the first week of classes. It is suggested that students insure their tools. DMACC does not insure student tools.*

1. Tool box (**must be a roller cart or roller cabinet, not to exceed 24" x 40"**)
2. 1/2" drive socket/ratchet set to include:
  - 12mm through 36mm metric sockets
  - breaker bar
  - extensions
3. 3/8" drive socket/ratchet set to include:
  - 8mm through 19mm metric sockets
  - 9/16" spark plug socket
  - 5/8" spark plug socket
  - 14mm spark plug socket
  - extensions
  - universal joint
4. 1/4" drive socket/ratchet set to include:
  - 4 mm through 15mm metric sockets
  - nut driver handle
  - extensions
  - universal joint
5. Wrenches to include:
  - 7mm through 24mm combination, metric
  - 10mm through 18mm line, metric
6. Standard screwdriver set
7. Phillips screwdriver set
8. 24" Pry bar
9. Torx bits/drivers to include:
  - T8 through T60 drive torx bits
10. Chisel & punch set to include 8" brass drift punch
11. Pliers to include:
  - 7" to 8" needle nose
  - 9-1/4" water pump (slip joint)
  - 7" to 8" diagonal
  - 10" locking pliers
  - 7-1/4" pliers

12. Snap ring locking pliers
  - 10" length opens to 1-1/4"
  - inside and outside True Arc
13. Hammers
  - 24 or 32oz. dead blow
  - 24 oz. ball peen
  - Brass hammer
14. Brake tools
  - Brake adjusting tool – 8"
  - Brake retainer washer tool, large and small cup
  - Brake spring pliers, remove and replace and stretching
15. Tire crayon
  - Tire pressure gauge, 0 – 100 psi, digital
  - Tire tread depth gauge, 1/32" increments
16. Hex socket set
  - 1.5mm through 10mm
17. Feeler gauge
  - .0015" – .080"
18. Spark plug gap gauge
  - .035" – .080"
19. 1-1/2" x 3-3/8" heavy duty gasket scraper
20. Plastic scraper
21. 6" wire stripper/crimping tool, 10 to 20 gauge
22. 12-volt test light (incandescent bulb – NO LED – High Impedance)
23. Blow gun
24. Air chuck
25. 6" pocket steel ruler
26. Outside Micrometer
  - 0" – 1" (with vernier scale .0001) OR
  - 0mm – 25mm
27. 0" to 1" dial indicator with magnetic base and clamp set with adaptors up to 6"
28. 0" to 6" dial caliper
29. Hacksaw frame with blades listed below
  - 4 – 18TPI blades
  - 4 – 24TPI blades
30. 10" Flat hand file with handle

31. Flash light with batteries (or rechargeable)
32. Oil filter wrenches (should fit small and large filters)
33. Universal terminal release tool (pick set)
34. HEI Spark Tester
35. Terminal test probe adapter set

**Examples** *(the below kit meets the minimum requirements, others may be purchased)*

- 18001.10-Kit [www.jumperkits.com](http://www.jumperkits.com)

36. Digital Multimeter Fluke 87 is the “recommended” meter. Others meeting the specs listed below will be allowed:

**Specs**

- AC/DC voltage up to 600 V minimum
- AC/DC 10A (amps) capable
- Auto ranging preferred
- Volt meter impedance 10 mega ohms minimum

**Examples** *(the below meters meet the minimum requirements others may be purchased)*

- EM700 [www.mactools.com](http://www.mactools.com)
- MDTECH or DM115 [www.matctools.com](http://www.matctools.com)
- EEDM504D [www.snapon.com](http://www.snapon.com)

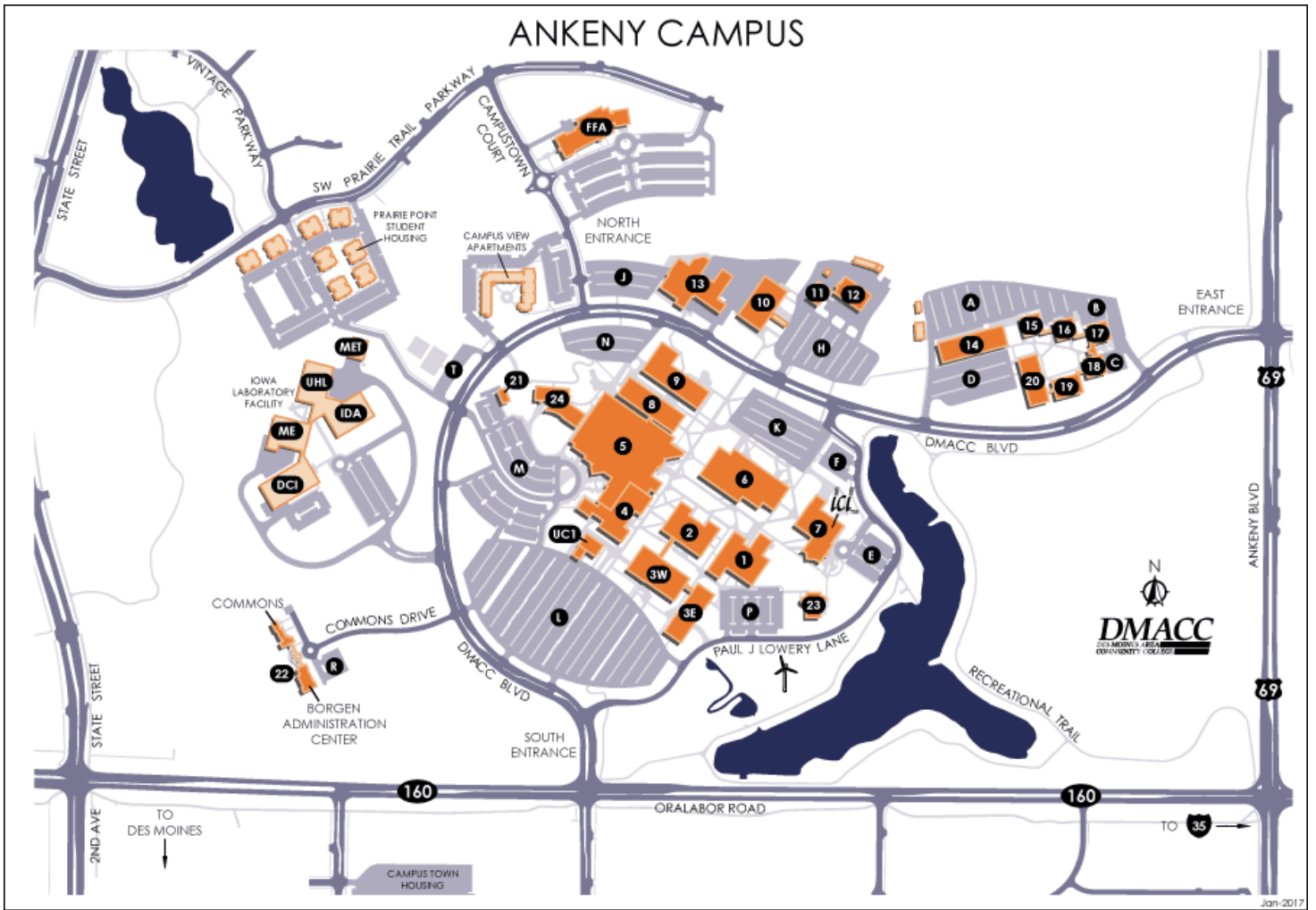
37. Thread pitch gauge
  - Standard and metric
38. Quick disconnect tools
39. Magnetic pick up tool
40. Inspection mirror
41. 12-foot (minimum) steel measuring tape (Inch and MM scales)
42. Safety glasses (not goggles, not tinted, and meets ANSIZ87.1 safety standard)
43. Magnetic parts tray
44. Pick Set
45. Plastic trim tool set
46. School supplies
  - 4 – 1-1/2” 3-ring binders
  - 12 – #2 pencils
  - 12 – Blue or black ink pens
  - 1 – Highlighter
  - 1 – Clipboard

***Optional / Recommended - Optional tools may be purchased as needed.***

1. 1/2" drive socket/ratchet set to include:
  - 7/16" through 1-1/8" SAE sockets
2. 3/8" drive socket/ratchet set to include:
  - 1/4" through 3/4" SAE sockets
  - 5/8" deep plug sockets
  - 13/16" spark plug socket
3. 1/4" drive socket/ratchet set to include:
  - 3/16" through 1/2" SAE sockets
4. Wrenches to include:
  - 1/4" through 1" combination, SAE
  - 3/8" through 5/8" line, SAE
5. Torx bits/drivers to include:
  - T8 through T30 screwdriver
6. Hex socket set
  - 1/16" through 3/8" hex
7. Universal terminal release tool (pick set)

Rev'd 05/13/21





DMACC, Des Moines Area Community College

## MOPAR CAP CANDIDATE EMPLOYMENT AGREEMENT FORM

CANDIDATE NAME: \_\_\_\_\_

ADDRESS: \_\_\_\_\_

PHONE NUMBER: \_\_\_\_\_

DEALER APPROVAL: I agree to employ this student for the Stellantis Chrysler CAP Program. I have discussed with the student policies that will benefit both parties. We understand our responsibilities and will uphold them to the best of our ability.

	Dealer Initial	The Stellantis Chrysler dealership will:																		
		1. Attend dealer orientation meeting at DMACC (held prior to beginning of first internship).																		
		2. Assign a knowledgeable technician to oversee CAP student intern during each internship period.																		
		3. Distribute task list to appropriate dealership personnel at the beginning of each internship.																		
		4. Provide work to insure task competencies for each internship.																		
		5. Meet with the CAP student intern weekly and discuss concerns of both parties.																		
		6. At the end of each internship meet with the CAP student intern and complete his/her evaluation form.																		
		7. Pay the Stellantis Chrysler student a fair wage with incentive increases: _____ 30 – 60 days before school starts (if possible) _____ Internship I _____ Internship II _____ Internship III (refer to suggested pay plan on Page 19) _____ Internship IV _____ After Graduation																		
		8. Supply uniforms in accordance with dealer policy (student interns are required to wear complete uniform during all school activities). _____ dealer cost                      _____ student intern cost																		
	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">_____</td> <td style="width: 50%; border: none;">_____</td> </tr> <tr> <td style="border: none;">Dealership Name</td> <td style="border: none;">Date</td> </tr> <tr> <td style="border: none;">_____</td> <td style="border: none;">_____</td> </tr> <tr> <td style="border: none;">Service Manager (Please print)</td> <td style="border: none;">Area Code – Phone Number</td> </tr> <tr> <td style="border: none;">_____</td> <td style="border: none;">_____</td> </tr> <tr> <td style="border: none;">Address</td> <td style="border: none;">Email Address</td> </tr> <tr> <td style="border: none;">_____</td> <td style="border: none;">_____</td> </tr> <tr> <td style="border: none;">City/State/Zip</td> <td style="border: none;">Dealer Code</td> </tr> <tr> <td colspan="2" style="border: none;">Comments: _____</td> </tr> </table>		_____	_____	Dealership Name	Date	_____	_____	Service Manager (Please print)	Area Code – Phone Number	_____	_____	Address	Email Address	_____	_____	City/State/Zip	Dealer Code	Comments: _____	
_____	_____																			
Dealership Name	Date																			
_____	_____																			
Service Manager (Please print)	Area Code – Phone Number																			
_____	_____																			
Address	Email Address																			
_____	_____																			
City/State/Zip	Dealer Code																			
Comments: _____																				
	<p>We have discussed the terms above and agree to them.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%; border: none;">_____</td> <td style="width: 50%; border: none;">Dealer Principal</td> </tr> <tr> <td style="border: none;">_____</td> <td style="border: none;">Service Director/Manager</td> </tr> <tr> <td style="border: none;">_____</td> <td style="border: none;">CAP Student Intern</td> </tr> </table>		_____	Dealer Principal	_____	Service Director/Manager	_____	CAP Student Intern												
_____	Dealer Principal																			
_____	Service Director/Manager																			
_____	CAP Student Intern																			

**MOPAR CAP / DES MOINES AREA COMMUNITY COLLEGE**  
**CANDIDATE INFORMATION FORM**

**Please print or type information.**

List any reasons you would not be insurable by a dealer's automotive insurance company.

---

---

Any prior dealer contacts regarding CAP?      \_\_\_\_\_ Yes      \_\_\_\_\_ No

If yes: \_\_\_\_\_  
Name of Dealership

\_\_\_\_\_  
Address/City/State/Zip

\_\_\_\_\_  
Contact Person and Approximate Date

Dealer you are presently contacting:

\_\_\_\_\_  
Name of Dealership

\_\_\_\_\_  
Address/City/State/Zip

Dealer/authorized representative: \_\_\_\_\_

Date of Contact: \_\_\_\_\_

Career interest: (In the space provided below, write a clear, definitive statement of your future goals.)

---

---

---

**RELEASE OF INFORMATION**

I hereby grant permission to Des Moines Area Community College to share all records concerning the Mopar CAP Program with a Mopar CAP dealer.

---

Applicant Signature

Date

**STUDENT INFORMATION AND ASSESSMENT RESULTS**

Name: \_\_\_\_\_ Student ID: \_\_\_\_\_

Driver's License Number: \_\_\_\_\_ State of Issue: \_\_\_\_\_ Exp. Date: \_\_\_\_\_

Address: \_\_\_\_\_ Home Phone: \_\_\_\_\_

City: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

State: \_\_\_\_\_ Zip: \_\_\_\_\_ Email: \_\_\_\_\_

**STUDENT CONSENT TO RELEASE INFORMATION**

The Family Educational Rights and Privacy Act (FERPA) (20 U.S.C. § 1232g, et. seq.) requires written consent to disseminate personally identifiable education records of any student.

**By my signature below, I give permission for DMACC to release the information selected on this form to MOPAR CAP and STELLANTIS Dealer(s).**

This authorization shall remain in effect for five (5) years or until the date of my DMACC graduation, as well as rescinded by me. I understand that I may rescind this authorization by submitting a second form and selecting the "Cancel Release To:" option or by submitting another form of revocation in writing with my signature.

**RELEASE OF INFORMATION**

I hereby grant permission to Des Moines Area Community College to share all records concerning the MOPAR CAP Program with Stellantis dealers.

I understand that (1) I have the right not to consent to the release of my education records; (2) I have the right to obtain a copy of such records upon request; (3) and that this consent shall remain in effect until revoked by me, in writing, and delivered to Des Moines Area Community College, Academic Records/Registrar's Office, but that such a revocation shall not affect disclosures previously made by Des Moines Area Community College prior to the receipt of any such written revocation.

\_\_\_\_\_  
Applicant Signature

\_\_\_\_\_  
Date

# MOPAR CAP STUDENT RESPONSIBILITIES REQUIREMENTS

## Program Overview

The MOPAR CAP process streamlines the path to becoming a certified service technician to only two years. Students alternate between formal classroom training and hands-on work experience at a Stellantis/Chrysler/Dodge/Jeep/Ram dealership. Instructors are trained on the latest Stellantis automotive technology. Students learn to identify, analyze and solve problems. Theory and practical application come together as students spend time working on current vehicles.

- The MOPAR CAP program teaches on current Stellantis products.
- The program allows students to alternate between attending college/university and working at a sponsoring Chrysler dealership for approximately two years.
- All Mopar CAP Colleges/Universities are Automotive Service Excellence Education Foundation (ASEEF) Certified, ensuring that training meets or exceeds industry standards.
- STELLANTIS provides instructor training on the latest technology.
- STELLANTIS provides new vehicles, training components, and training aids for students to work on and learn from in a closely supervised and structured environment.
- General theory and basic information are applied. Students learn how to identify, analyze and solve problems. Theory and practical application come together as students spend time working on current model year vehicles.

## Benefits

Students are employees of the dealership or service center giving them the opportunity to earn while they learn. In addition, there is a special discount with most major professional tool vendors, exclusive to MOPAR CAP students.

## Student Responsibilities

- Students must meet all college/university eligibility requirements into the degree program and intend to complete all academic and technical courses as required.
- Students must have and maintain a Stellantis dealership by the first Internship and throughout the program (the college can assist students in securing sponsors).
- Students may temporarily participate in non-paid internships in unique circumstances to prevent being dropped from the program.
- Students are required to meet personal protective equipment requirements of the school.
- Students must meet employment requirements for the company they will work for, including valid driver's license and drug testing where required.
- Students are responsible for all program costs, including tuition, fees, books and tools.
- Students understand that once accepted into the MOPAR CAP program, it is required that progress toward earning a degree be maintained in a timely manner.

The prospective MOPAR CAP Candidate has read this document and agrees to adhere to all responsibilities to ensure success as a graduate of the MOPAR CAP program.

\_\_\_\_\_  
Student Signature

\_\_\_\_\_  
Date

\_\_\_\_\_  
MOPAR CAP Coordinator Signature

\_\_\_\_\_  
Date