

UNIVERSITY OF CENTRAL MISSOURI

State Fair Community College Associate of Applied Science in Automotive Technology to

UCM Bachelor of Science in Automotive Technology Management: Area 2

State Fair Community College Automotive Technology

UCM Equivalencies are in parenthesis. Courses marked ** fulfills a major requirement at UCM. All Auto course requirements must be completed with a grade of C or higher.

Degree Requirements

AUTO 100 Introduction to Automotive Technology (AUTO 1010)**	3
AUTO 103 Manual Trans, Drivelines and Axles (ATM 2140)**	*5
AUTO 105 Automatic Transmissions (ATM 3140)**	*5
AUTO 106 Power Train Management (ATM 2132)**	5
AUTO 108 Advanced Engine Performance (ATM 3130)**	6
AUTO 113 Steering, Suspension and Wheels (ATM 3120)**	5
AUTO 115 Automotive Brakers (ATM 2124)**	5
AUTO 116 Auto Electrical System Fundamentals (ET 1010)**	*3
AUTO 118 Advanced Automotive Electrical and Electronics (ATM 2130)**	*3
AUTO 119 Auto Heating and Air Conditioning (ATM 2150)**	*5
AUTO 121 Automotive Engines	6
ENGL 112 Technical Writing (CTE 3060)**	3
MATH 107 Technical Math I	3
MATH 108 Technical Math II	3
HIST 101 U.S. History Before 1877 (HIST 1350)	-or-
HIST 102 U.S. History Since 1877 (HIST 1351)	-or-
POLS 101 American/National Government (POLS 1510)	3
PHYS 125 Technical Science (PHYS 1101)	4
SS 120 Employment Strategies	1
Wellness	1

Choose 1 hour in above area from the SFCC AA Catalog

Minimum Hours Required for A.A.: 69

UCM General Education Requirements 42

UCM's General Education Requirements can be found in the 2016 course catalog on pages 49-52.

Foundational Skills Areas	11
Writing I Requirement - ENGL 1020 Composition I	3
<i>Can be taken at SFCC as ENGL 101 English Composition I</i>	
Writing II Requirement transfers from SFCC-ENGL 112 to UCM-CTE 3060	3
Managing Info. Requirement – CIS 1600 Business Info Man.	3
<i>Can be taken at SFCC as CAPP 125 Microcomputer App.</i>	
Communication requirement - COMM 1000 Public Speaking	3
<i>Can be taken at SFCC as COMM 101 Public Speaking</i>	
Knowledge Area I	9
Literature Requirement	3
Fine Arts Requirement	3
Additional designated courses in Knowledge Area I	3
Knowledge Area II	10
Science with a Lab Requirement transfers from SFCC-PHYS 125 to UCM-PHYS 1101	4
Mathematics Requirement - MATH 1111 College Algebra	3
<i>Can be taken at SFCC as MATH 114 College Algebra</i>	
CS 1030 Introduction to Computer Programming	3

Knowledge Area III 9

History Requirement transfers from SFCC-HIST 101 or HIST 102 to UCM-HIST 1350 or HIST 1351	3
Social/Behavioral Sciences Requirement - ECON 1010 Principles of Macroeconomics	3
<i>Can be taken at SFCC as ECON 101 Principles of Macroecon.</i>	
Additional designated courses in Knowledge Area III	3

Engagement 3

ECEL 2110 Diversity and Social Justice	-or-
COMM 3340 Intercultural Communication	3

UCM Automotive Tech: Area 2 Requirements *77-81

Technical Courses *23

ATM 2110 Engine Theory & Maintenance	4
ATM 3134 Advanced Powerplant Systems	3
ATM 3150 Diesel Technology	4
ATM 4032 Hydraulics & Pneumatics	3
ATM 4112 ATM Capstone Experience	3
ATM 4130 Comprehensive Vehicle Diagnostics	4
ATM 4134 Advanced Vehicle Systems	2

Management Courses *15

SOT 3022 Internship in Technology	3
INDM 4210 Industrial Management	-or-
MGT 3315 Management of Organizations	3
HRM 3920 Human Resource Management	-or-
MKT 3405 Marketing Policy	3
ACCT 2101 Principles of Financial Accounting	3
<i>Can be taken at SFCC as ACCT 101 Princ. of Financial Accounting</i>	
BLAW 2720 Legal Environment of Business	3
<i>Can be taken at SFCC as BADM 103 Legal Environment of Bus.</i>	

Area 2: Design Technology 6-9

CADD 1105 Basic Auto CAD	1 -and-
CADD 1110 Fundamentals of Drafting	3
<i>Can be taken at SFCC as CAD 111 Intro to Computer Drafting</i>	
CADD 1170 Intro to Computer-Aided Drafting	2
<i>Can be taken at SFCC as CAD 105 Print Reading</i>	

Electives from the following 3-4

ATM 4038 Advanced Hydraulics	3
CADD 2140 Computer-Aided Drafting & Design for Engineering Technology	3
CADD 4180 Industrial Design	3
CMGT 2020 Statics	3
ENGT 2040 Engineering Material Science	4
ENGT 4520 Robotics & Automation	3
ENGT 2530 Machine Tool Technology	3
<i>Can be taken at SFCC as MACH 101 Intro to Machining</i>	

* Exact hours may vary depending on transfer coursework

Duel Admission is recommended for students planning to transfer credits from SFCC to UCM for this program, as it will enable early advising from the assigned academic advisor in the College of Health, Science, and Technology at UCM.

This guide is based on the UCM 2016 Undergraduate Catalog and is subject to change.

Minimum Hours Required for B.S.: 120-124

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VALIDITY OF THIS TRANSFER GUIDE

This guide is based on the UCM 2016 Undergraduate Catalog and is subject to change. This guide is a recommendation only and your actual program may vary. Time to degree completion and course sequencing will depend on any credits transferred to UCM and on planned placement in math, reading, and writing. See the current UCM Undergraduate Catalog and SFCC Course Catalog for a complete listing of academic policies, curriculum, prerequisites, and course descriptions.

GENERAL EDUCATION REQUIREMENTS

Students who hold an Associate in Arts Degree from SFCC or have met the Missouri 42-hour General Education Core requirements are considered to have fulfilled all UCM General Education requirements, except specific general education classes required by this major. Lists of General Education Requirements can be found in the UCM Catalog.

For those students with an associate degree other than the Associate of Arts or who have not completed the A.A. degree, transfer courses are evaluated on a course-by-course basis.

REQUIREMENTS FOR THIS MAJOR

- Minimum of 120 hours
- Minimum of 30 hours of upper-level credit (3000/4000 level). Courses taken at a two-year college MAY be articulated for an upper-level course but WILL NOT count towards upper-level hour requirements.
- Minimum of 12 hours of upper-level credit (3000/4000 level) in major
- No minor is required for this degree.
- No modern language is required for this degree.

RESIDENCY REQUIREMENTS FOR A DEGREE AT UCM

A candidate for any bachelor's degree must have earned the following minimum hours at UCM:

- 30 hours overall
- 20 upper-level hours (3000/4000 level courses)
- 15 hours in the major
- 9 upper-level hours in the major
- 9 hours in minor (if applicable)
- 1 upper-level hour in minor (if applicable)
- The last 12 semester hours required for the degree

GPA REQUIRED FOR GRADUATION

Students must achieve a minimum GPA of 2.00 in all GPAs to qualify for graduation. This includes cumulative GPA, UCM GPA, major GPA, and minor GPA (if applicable). Some degrees have additional GPA requirements.

DUAL ADMISSION

Students are encouraged to apply for dual admission during their first semester at SFCC to coordinate associate degree completion with degree requirements at UCM. To learn more visit www.ucmo.edu/undergrad/dualadmissions.cfm.

GENERAL EDUCATION ASSESSMENT

All UCM students are required to pass a General Education Assessment (GEA). Students transferring in more than 45 hours are required to take the test during their first semester at UCM. Testing Services can be contacted by phone at (660) 543-4919 or by e-mail at testingservices@ucmo.edu. To learn more visit www.ucmo.edu/assessment/documents/gened_policy.pdf

CATALOGS

State Fair Community College catalog: <http://www.sfccmo.edu/pages/104.asp>
UCM catalog: www.ucmo.edu/catalogs

TRANSFER WORK

Arrange for all transfer work to be posted at UCM at the time of application. An official transcript must be received at UCM directly from each school attended. Individual transfer equivalencies can be found online at www.ucmo.edu/corequiv. Transcripts can be sent to: University of Central Missouri, Office of Admissions, Ward Edwards 1400, Warrensburg, MO 64093

UCM TRANSFER ADVISORS

UCM advisors for programs in the College of Health, Science, and Technology (CHST) are located in the CHST Advising Center located in Administration 105. Contact your advisor by calling (660)543-4554 or by email chstadvising@ucmo.edu.

UCM DEPARTMENT CONTACT

The School of Technology is located in the Grinstead Building, Room 009. To learn more visit www.ucmo.edu/technology.
