

Ozarks Technical Community College

Automotive Technology Certificate and AAS Degree Preferred Course Sequence

Semester I	Semester II	Semester III	Semester IV
Engine Repair AUM 110 4	Engine Diagnosis and Repair AUM 121 4	Manual Drive Train and Axles AUM 135 4	Automatic Transmissions and Trans Axle AUM 233 4
Electrical I AUM 171 4	Electrical II AUM 175 4	Engine Performance I AUM 221 4	Advanced Engine Performance AUM 222 4
Steering & Suspension AUM 215 4	Brakes AUM 210 4	Science Elective (B)* 4	Communications Elective (C)* 3
Math Elective (A)* 3	Composition I ENG 101 3	Heating & Air Conditioning AUM 185 4	Capstone/Co-op/ Internship AUM 290 3
Lifetime Wellness HLT 101 2	Social Science Elective (D)* 3	Occupational Seminar TEC 285 1	¹ Social Science Elective (D)* 3
17	18	17	17

Certificate
35 hours

AAS Degree
67-69 hours

Note: *(A), (B), (C), and (D) please see back for additional course information.

Certificate = Courses within bold border

¹ Must satisfy Missouri law to include instruction in Federal and State Constitution.

This block diagram is provided to aid in advising students and tracking course completion.

OTC reserves the right to modify course titles, sequences and content in accordance with college procedures.

Not all courses are offered every semester. Check with the departmental chair for additional information.

AUM

A: OTC COURSES THAT SATISFY THE MATH ELECTIVE REQUIREMENT:

MTH 105 Business Math (or any higher numbered math course)

B: OTC COURSES THAT SATISFY THE SCIENCE ELECTIVE REQUIREMENT:

BIO 100 Life Science

BIO 105 Environmental Science

BCS 120 Human Anatomy and Physiology

BCS 140 Human Anatomy

Any other 4-hour BIO, BCS, CHM or PHY course numbered 100 or above will fulfill this requirement; however the others have a prerequisite.

C: OTC COURSES THAT SATISFY THE COMMUNICATIONS REQUIREMENT:

COM 100 Intro to Communication

COM 105 Public Speaking

Any other COM course numbered 100 or above will fulfill this requirement; however the others have a prerequisite.

D: OTC COURSES THAT SATISFY THE SOCIAL SCIENCE REQUIREMENTS:

*****To satisfy Missouri law to include instruction in Federal and State Constitution one of the following options must be used to fulfill the social science requirement:***

Option 1: HST 120 and HST 130

Option 2: PLS 101 and ONE (1) other social science from the following:

AGR 100 Introduction to Agriculture

ANT 101 Introduction to Anthropology

ECO 270 Principles of Macroeconomics

GRY 101 World Geography I

GRY 230 World Economic Geography

HST 105 World History I

HST 106 World History II

HST 120 US History I: to 1865

HST 130 US History II: 1865 to the Present

PLS 250 The Politics of Environment

PLS 255 Environmental Laws and Regulations

PSY 110 Introduction to Psychology

SOC 101 Introduction to Sociology

Any other ECO, HST, PLS, PSY (may not include PSY 100) and SOC course will fulfill this requirement; however the others have a prerequisite.