

**Automotive Service Technology (AUM)**  
**Associate in Applied Science**  
**M.A.P.**

Semester	Suggested Courses	Semester(s) Offered*	Credit Hrs.
<b>Semester 1</b> 14 credit hours	AUM 101      Fundamentals of Automotive Technology	Fall	3
	AUM 112      Electrical Fundamentals	Fall	3
	AUM 124      Automotive Engines	Fall	3
	MTH 100 <i>or</i> Intermediate College Algebra <i>or</i> MTH 116      Mathematical Applications	Fall, Spring, Summer	3
	ORI 101      Orientation to College	Fall, Spring, Summer	2
<b>Semester 2</b> 12 credit hours	AUM 121      Braking Systems	Spring	3
	AUM 162      Electrical and Electronics Systems	Spring	3
	AUM 239      Engine Performance I	Spring	3
	ENG 101      English Composition I	Fall, Spring, Summer	3
<b>Semester 3</b> 6 credit hours	AUM 122      Steering and Suspension	Summer	3
	AUM 133      Motor Vehicle Air Conditioning	Summer	3
<b>Semester 4</b> 12 credit hours	AUM 212      Advanced Electrical and Electronic Systems	Fall	3
	AUM 244      Engine Performance and Diagnostics	Fall	3
	Area IV      History or Social/Behavioral Science	Fall, Spring, Summer	3
	SPH 106 <i>or</i> Fundamentals of Oral Communication <i>or</i> SPH 107      Fundamentals of Public Speaking	Fall, Spring, Summer	3
<b>Semester 5</b> 12-13 credit hours <i>AUM STC Achieved</i>	AUM 130      Drive Train and Axles	Spring	3
	AUM 220      Advanced Automotive Engines	Spring	3
	Area II      Fine Art or Humanities	Fall, Spring, Summer	3
	Area III      Math or Natural Science Elective	Fall, Spring, Summer	3-4
<b>Semester 6</b> 6 credit hours <i>AUM AAS Degree Achieved</i>	AUM 224      Manual Transmission and Transaxle	Summer	3
	AUM 230      Auto Transmission and Transaxle	Summer	3
<b>Total Hours</b>			<b>62-63</b>

\*Course(s) may be offered in additional semesters but are only assured to run in the semester(s) indicated. It is **highly** recommended for the course(s) to be completed in the semester(s) indicated.

Part-time students and full-time students desiring to begin the AUM program of study during a spring or summer semester should consult with an academic advisor to establish an alternate degree completion pathway.

**Area II – Area IV Options**

Area II	
<b><u>Humanities and Fine Arts</u></b>	
Art 100	Art Appreciation
ART 203	Art History I
ART 204	Art History II
ENG 251	American Literature I
ENG 252	American Literature II
ENG 261	English Literature I
ENG 262	English Literature II
ENG 271	World Literature I
ENG 272	World Literature II
HUM 298	Directed Studies in Humanities
MUS 101	Music Appreciation
PHL 206	Ethics and Society
REL 100	History of World Religions
REL 151	Survey of Old Testament
REL 152	Survey of New Testament
SPA 101	Introduction to Spanish I
SPA 102	Introduction to Spanish II
THR 120	Theatre Appreciation

Area III	
<b><u>Math or Natural Science</u></b>	
AST 220	Introduction to Astronomy
BIO 101 or	Introduction to Biology I or
BIO 103	Principles of Biology I
BIO 102 or	Introduction to Biology II or
BIO 104	Principles of Biology II
CHM 104 or	Introduction to Inorganic Chemistry or
CHM 111	College Chemistry I
CHM 105 or	Introduction to Organic Chemistry or
CHM 112	College Chemistry II
CHM 221	Organic Chemistry I
CHM 222	Organic Chemistry II
GEO 101	Principles of Physical Geography I
GEO 102	Principles of Physical Geography II
MTH 100	Intermediate College Algebra
MTH 110	Finite Mathematics
MTH 112	Precalculus Algebra
MTH 113	Precalculus Trigonometry
MTH 115	Precalculus Algebra & Trigonometry
MTH 120	Calculus and Its Applications
MTH 125	Calculus I
MTH 126	Calculus II
MTH 227	Calculus III
MTH 237	Linear Algebra
MTH 238	Applied Differential Equations I
MTH 265	Elementary Statistics
PHS 111	Physical Science I
PHS 112	Physical Science II
PHY 201	General Physics I -Trig Based
PHY 202	General Physics II-Trig Based
PHY 213	General Physics with Calculus I
PHY 214	General Physics with Calculus II

Area IV	
<b><u>History, Social, and Behavioral Sciences</u></b>	
ANT 200	Introduction to Anthropology
ANT 220	Cultural Anthropology
ECO 231	Principles of Macroeconomics
ECO 232	Principles of Microeconomics
GEO 100	World Regional Geography
HIS 101	Western Civilization I
HIS 102	Western Civilization II
HIS 201	United States History I
HIS 202	United States History II
POL 200	Introduction to Political Science
POL 211	American National Government
PSY 200	General Psychology
PSY 210	Human Growth & Development
SOC 200	Introduction to Sociology
SOC 210	Social Problems