

Automotive Systems Technology (A60160)

Degree Type

Associate in Applied Science

Credential Number

A60160

General Education Requirements

Communication

Take 2 groups

Group 1 - Take 3 credits from

Item #	Title	Credits
ENG 110	Freshman Composition	3
ENG 111	Writing and Inquiry	3

Group 2 - Take 3 credits from

Item #	Title	Credits
COM 110	Introduction to Communication	3
COM 120	Intro Interpersonal Com	3
COM 231	Public Speaking	3

Humanities/Fine Arts

Take 3 credits from

Item #	Title	Credits
ART 111	Art Appreciation	3
HUM 115	Critical Thinking	3
MUS 110	Music Appreciation	3
MUS 112	Introduction to Jazz	3
PHI 215	Philosophical Issues	3
PHI 240	Introduction to Ethics	3

Social/Behavioral Sciences

Take 3 credits from

Item #	Title	Credits
ECO 251	Prin of Microeconomics	3
ECO 252	Prin of Macroeconomics	3
HIS 111	World Civilizations I	3
HIS 112	World Civilizations II	3
HIS 131	American History I	3
HIS 132	American History II	3
POL 120	American Government	3
PSY 118	Interpersonal Psychology	3
PSY 150	General Psychology	3

Natural Sciences/Math

Take 3 credits from

Item #	Title	Credits
CHM 131	Introduction to Chemistry	3
CHM 131A	Intro to Chemistry Lab	1
CHM 151	General Chemistry I	4
MAT 110	Math Measurement & Literacy	3
MAT 121	Algebra/Trigonometry I	3
MAT 143	Quantitative Literacy ⁿ	3
MAT 152	Statistical Methods I	4
MAT 171	Precalculus Algebra	4
PHY 110	Conceptual Physics	3
PHY 110A	Conceptual Physics Lab	1
PHY 151	College Physics I	4

Major Requirements

Fundamental Transportation Skills

Take 2 credits from

Item #	Title	Credits
TRN 110	Intro to Transport Tech	2

Intermediate Transportation Skills

Take 5 credits from

Item #	Title	Credits
TRN 120	Basic Transp Electricity	5

Specialized Transportation Skills

Take 4 credits from

Item #	Title	Credits
TRN 140	Transp Climate Control	2
WLD 110	Cutting Processes	2

Automotive Systems Technology

Take 12 credits from

Item #	Title	Credits
AUT 116	Engine Repair	3
AUT 141	Suspension & Steering Sys	3
AUT 151	Brake Systems	3
AUT 181	Engine Performance I	3

Other Major Requirements

Take 31 credits from

Item #	Title	Credits
AUT 114	Safety and Emissions	2
AUT 116A	Engine Repair Lab	1
AUT 141A	Suspension & Steering Lab	1
AUT 151A	Brake Systems Lab	1
AUT 163	Adv Auto Electricity	3
AUT 181A	Engine Performance I	1
AUT 183	Engine Performance 2	4
AUT 213	Automotive Servicing 2	2
AUT 221	Auto Transm/Transaxles	3
AUT 221A	Auto Transm/Transax Lab	1
AUT 231	Man Trans/Axles/Drtrains	3
AUT 231A	Man Trans/Ax/Drtrains Lab	1
PTE 113	Pathway to Employ-Transport	3
TRN 130	Intro to Sustainable Transp	3
TRN 140A	Transp Climate Cont Lab	2

Course Sequencing

1st Semester (Fall)

Item #	Title	Credits
AUT 116	Engine Repair	3
AUT 116A	Engine Repair Lab	1
PTE 113	Pathway to Employ-Transport	3
TRN 110	Intro to Transport Tech	2
TRN 120	Basic Transp Electricity	5
WLD 110	Cutting Processes	2

2nd Semester (Spring)

Item #	Title	Credits
AUT 151	Brake Systems	3
AUT 151A	Brake Systems Lab	1
AUT 181	Engine Performance I	3
AUT 181A	Engine Performance I	1
MAT 110	Math Measurement & Literacy	3
TRN 140	Transp Climate Control	2
TRN 140A	Transp Climate Cont Lab	2

3rd Semester (Summer)

Item #	Title	Credits
AUT 141	Suspension & Steering Sys	3
AUT 141A	Suspension & Steering Lab	1
TRN 130	Intro to Sustainable Transp	3

4th Semester (Fall)

Item #	Title	Credits
AUT 114	Safety and Emissions	2
AUT 163	Adv Auto Electricity	3
AUT 183	Engine Performance 2	4
AUT 221	Auto Transm/Transaxles	3
AUT 221A	Auto Transm/Transax Lab	1
	Communication 1st Choice (A60160)	3

5th Semester (Spring)

Item #	Title	Credits
AUT 213	Automotive Servicing 2	2
AUT 231	Man Trans/Axles/Drtrains	3
AUT 231A	Man Trans/Ax/Drtrains Lab	1
	Communication 2nd Choice (A60160)	3
	Humanities/Fine Arts Choice (A60160)	3
	Social/Behavioral Sciences Choice (A60160)	3
	Total Credits	69