



MONTANA STATE UNIVERSITY BILLINGS

AUTOMOTIVE TECHNOLOGY
ASSOCIATE OF APPLIED SCIENCE

ADVISING WORKSHEET 2013-2014

City College
Jacket Student Central
Phone: 406-247-3019
Fax: 406-247-3095

Name _____

Student ID # _____

The required courses for this program begin in the fall semester.

Course	Credits	Grade	Semester	Equivalent
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Recommended Preparatory Courses

Required Preparatory Courses

General Education Requirements

CAPP	120	Introduction to Computers	3			
COMX	106	Communicating in a Dynamic Workplace	3			
WRIT or	122	Intro to Business Writing	3			
WRIT	121	Intro to Technical Writing				
M	114	Extended Technical Mathematics	3			

Required Courses

AST	106	Auto Manual Drive Train/Axles	2			
AST	107	Auto Manual Drive Train/Axles Lab	2			
AST	114	Automotive Brakes	2			
AST	115	Automotive Brakes Lab	2			
AST	162	Automotive Engine Diagnostics	3			
AST	163	Auto Engine Diagnostics Lab	3			
AST	175	Engine Rebuild Lab	5			
AST	220	Auto Steering and Suspension	2			
AST	221	Auto Steering and Suspension Lab	2			
AST	230	Electrical/Electronics System II	2			

AST	231	Electrical/Electronics Systems II Lab	2			
AST	260	Advanced Auto Diagnostics	3			
AST	261	Advanced Auto Diagnostics Lab	3			
AST	270	Auto Transmission and Transaxle	3			
AST	271	AutoTransmission and Transaxle Lab	3			
AST	285	ASE Exam Prep: Section One	1			
AST or AST	280 298	Applied Lab Exp/Light Repair Automotive Internship	4			
TRID	150	Environmental and Shop Practices	2			
TRID	151	Welding	2			
TRID	152	Vehicle Heating, Ventilation & Air Conditioning	3			
TRID	170	Engine Theory	4			
TRID	180	Electrical Systems	4			

Electives

TOTAL MINIMUM CREDITS REQUIRED 71

A grade of "C" or higher is mandatory in all required courses.

Suggested Plan of Study

First Semester	Credits	Second Semester	Credits
AST 106	2	AST 114	2
AST 107	2	AST 115	2
COMX 106	3	AST 175	5
TRID 170	4	AST 162	3
TRID 180	4	AST 163	3
CAPP 120	3	TRID 150	2
TOTAL	18	TOTAL	17

Third Semester	Credits	Fourth Semester	Credits
AST 285	1	AST 260	3
AST 220	2	AST 261	3
AST 221	2	AST 280/298	4
AST 230	2	AST 270	3
AST 231	2	AST 271	3
TRID 152	3	TRID 151	2
M 114	3	TOTAL	18
WRIT 121/122	3		
TOTAL	18		

Transcript evaluation (if applicable completed) by: _____ on __/__/____

Developing a Plan of Study

To facilitate course planning and scheduling, students should be aware that not all courses are offered every semester. Some courses require pre-requisites and preparatory courses to be successfully completed or co-requisites be taken simultaneously.

Selected Courses and Prerequisites

Key: F= Fall; S=Spring; X=Summer; # = online

Automotive Technology Associate of Applied Science Program Requirements:

Course	Required Pre-requisite	Recommended Pre-Requisite	Required Co-Requisite	Recommended Co-Requisite	Term Offered
AST 106			AST 107		F
AST 107			AST 106		F
AST 114			AST 115		S
AST 115			AST 114		S
AST 175	TRID 170				S
AST 162	TRID 170, 180		AST 163		S
AST 163	TRID 170, 180		AST 162		S
AST 285	TRID 150,170,180 AST 106,140,172,182				F
AST 220	M111 or equivalent		AST 221		F
AST 221	M111 or equivalent		AST 220		F
AST 230	TRID 180		AST 231		F
AST 231	TRID 180		AST 230		F
AST 222	TRID 170,180 AST 162, 220		AST 223		S
AST 223	TRID 170,180 AST 162, 220		AST 222		S
AST 280 or 296	TRID 150,152,170,180 AST 106,160,182,210,220				AST 280 S/ AST 298 F
AST 270	AST 106, TRID 180				S
AST 271	AST 106, TRID 180				S
CAPP 120					F, F#, S, S#, X, X#
COMX 106					F, F#, S, S#, X, X#
M 114	M 095, M 111 or appropriate placement score				F, F#, S, S#, X, X#
TRID 150					F,S
TRID 151					F,S
TRID 152					F,S
TRID 170					F
TRID 180					F,S
WRIT 122 or 121	WRIT 095, WRIT 104 or appropriate placement score				WRIT 122 F, F#, S, S#, X, X#/ WRIT 121 F, S, S#

Program Specific Information

Students should know the following information:

- 1.) This program is generally a fall start program. This program is generally an all-day program every day.
- 2.) Students must complete the AST courses in one semester to continue to the AST courses in the next semester.
- 3.) It is recommended that students take all of their courses in a block. This program is not conducive to part time attendance.
- 4.) Students can earn the certificate and continue on to the AAS degree option.
- 5.) Students that earn an AAS degree and want to further their education thus career; are able to go on for a Bachelor of Applied Science degree through the university campus MSUB. Students can work to complete General Education requirements and take upper division credits in areas of study which will complement their AAS credits already earned. There are a variety of options and thematic concentrations for completing the BAS degree. Please consult with an advisor for more information.
- 6.) A required tool list can be found online or in the Jacket Student Central office.



City College

2013-2014 Automotive Technology AAS Plan of Study

for _____

Date: _____

Semester (_____)

Semester (_____)

Course	Credits	Course	Credits
Total		Total	

Semester (_____)

Semester (_____)

Course	Credits	Course	Credits
AST 106	2	AST 114	2
AST 107	2	AST 115	2
TRID 170	4	AST 175	5
TRID 180	4	AST 162	3
Gen Ed:	3	AST 163	3
Gen Ed:	3	TRID 150	2
Total		Total	

Semester (_____)

Semester (_____)

Course	Credits	Course	Credits
AST 285	1	AST 222	3
AST 220	2	AST 223	3
AST 221	2	AST 280/296	4
AST 230	2	AST 270	3
AST 231	2	AST 271	3
TRID 152	3	TRID 151	2
Gen Ed:	3		
Gen Ed:	3		
Total		Total	

Number of earned credits that apply toward degree: _____

Number of credits left to earn for degree: _____

CERTIFICATION: The courses listed are **required** for the student's degree.

Advisor's Signature: _____

Date: _____

Student's Signature: _____

Date: _____