



MONTANA STATE UNIVERSITY BILLINGS

**AUTOMOTIVE TECHNOLOGY
CERTIFICATE 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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Required Preparatory courses

General Education Requirements

COMX	106	Communicating in a Dynamic Workplace	3			
M	111	Technical Mathematics	3			
WRIT	104	Workplace Communications	3			

Required Courses

AST	106	Auto Manual Drive Train/Axles	2			
AST	107	Auto Man 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 Diagnosis Lab	3			
AST	175	Engine Rebuild Lab	5			
TRID	170	Engine Theory	4			
TRID	180	Electrical Systems	4			

Optional courses

CAPP	120	Introduction to Computers	3			
TRID	150	Environmental and Shop Practices	2			

TOTAL MINIMUM CREDITS REQUIRED 36

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
M 111	3	AST 175	5
COMX 106	3	AST 162	3
TRID 170	4	AST 163	3
TRID 180	4	WRIT 104	3
TOTAL	18	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 Certificate 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
Optional: CAP 120					F, F#, S, S#, X, X#
COMX 106					F, F#, S, S#, X, X#
M 111	M 065 or appropriate placement scores				F, S, X
Optional: TRID 150					F, S
TRID 170					F
TRID 180					F, S
WRIT 104					F, 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.



MSUBILLINGS

City College

2013-2014 Automotive Technology CAS 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	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: _____