

EXHIBIT A
Required technical courses
AMENDED – 9-18-2015

Technical Courses to be completed at MSU-Northern		Credits
ATDI 384	AT/DI Electrical/Electronic Systems III	4
ATDI 400	Shop Procedures	3
DST 314	Hydraulics & Pneumatics II	4
DST 420	Diesel Shop Management	2
DST 434	Current Model Year Technology (Capstone Course)	3
DST 440	Advanced Fuel Systems	4
DST 450	Diagnosis of Power Shifts/HD Automatics	4
DST 498	Cooperative Education	2
	Total technical requirements	26
	General Education	33 (minimum)
	Transferred Block (Technical courses)	61 (Exhibit C)
	Transferred General Education courses *	0
	Total for degree completion	120

***Note: General Education Transfer credits will vary by individual student. These courses will be evaluated by Gen. Ed. faculty at MSU-Northern as part of the transcript evaluation.**

EXHIBIT C - Overview of Equivalencies – **AMENDED 9-18-2015**

Program Technical Requirements	Transferred Courses		
ATDI 134 Auto/Diesel Electrical/Electronic Systems I	6	DIESL 100 Basic Electrical Systems DIESL 112 Electrical Systems Application	3.35 2.68
ATDI 257 Automatics	4	DIESL 117 Automated Manual Trans Service DIESL 119 Automatic Transmission Service	2 2
ATDI 264 Auto/Diesel Electrical/Electronic Syst. II	6	DIESL 205 Advanced Service Techniques DIESL 206 Advanced Service Applications	4 2
ATDI 265 Heating & Air Conditioning	4	DIESL 114 Mobile Air Conditioning Systems DIESL 206 Advanced Service Applications	2 2
ATDI 384 Auto/Diesel Electrical/Electronic Syst. III	4	To be taken at MSU-Northern	
ATDI 400 Shop Procedures	3	To be taken at MSU-Northern	
DST 104 Intro to Diesel Engines	3	DIESL 106 Engine Construction	3.35
DST 114 Intro to Diesel Engines Lab	3	DIESL 107 Engine Systems DIESL 108 Engine Reassembly	0.67 2.68
DST 115 Intro to Diesel Fuel Systems	5	DIESL 109 Fuel Systems DIESL 105 Introduction to Diesel Technology DIESL 151 Basic Vehicle Service	1.34 0.67 3.35
DST 204 Intro to Hydraulics & Pneumatics	2	DIESL 205 Advanced Service Techniques	2
DST 214 Intro to Hydraulics & Pneumatics Lab	2	DIESL 205 Advanced Service Techniques	2
DST 216 Heavy Duty Power Trains	4	DIESL 115 Introduction to Power Trains DIESL 118 Clutch Service DIESL 120 Driveline Service DIESL 121 Differentials/Final Drive DIESL 123 Servicing Manual Transmissions	0.67 2 0.67 2 2.68
DST 219 Heavy Duty Chassis	4	DIESL 110 Introduction to Air Brakes DIESL 122 Wheel End Service	1.34 0.67
DST 264 Diesel Engine Diagnosis & Repair	3	DIESL 113 Electronic Engine Systems	2
DST 274 Diag. Diesel Engine Repair Lab	3	DIESL 152 Basic Vehicle Service I	3.35
DST 273 Diesel Shop Practices	4	DIESL 153 Basic Vehicle Service II	3.35
DST 314 Hydraulics & Pneumatics II	4	To be taken at MSU-Northern	
DST 420 Diesel Shop Management	2	To be taken at MSU-Northern	
DST 440 Advanced Fuel Systems	4	To be taken at MSU-Northern	
DST 434 Current Model Year Technology	3	To be taken at MSU-Northern	
DST 450 Diagnosis of Power Shifts & HD Auto	4	To be taken at MSU-Northern	
DST 498 Cooperative Education	2	To be taken at MSU-Northern	
MCH 200 Machining	3	WAIVED	
WLDG 110 Welding Theory I	2	WBAS 101 Welding Basics	2
WLDG 111 Welding Theory I Practical	2	WBAS 101 Welding Basics	2
WLDG 260 Repair & Maintenance Welding	3	WBAS 101 Welding Basics	2.7
Program Gen. Ed. Requirements See Exhibit B for eligible courses			
<i>CAT I Communications (6 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	6
<i>Cat II - Mathematics (3 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	3
<i>Cat III - Natural Sciences (6 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	3
<i>Cat IV - Social Sciences/History (6 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	6
<i>Cat V - Cultural Diversity (3 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	3
<i>Cat VI - Humanities- Fine Arts (6 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	6

ARTICULATION AGREEMENT APPROVAL SIGNATURE SHEET

FOR AMENDMENT – 9-28-2015

MSU–Northern

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