MONTANA STATE UNIVERSITY NORTHERN

ARTICULATION AGREEMENT

Offered collaboratively by

MONTANA STATE UNIVERSITY-NORTHERN

and

Southern Alberta Institute of Technology (SAIT)
(1-year Certificate – Diesel Equipment Technician)

For

BACHELOR OF SCIENCE DEGREE

IN DIESEL TECHNOLOGY

SAIT POLYTECHNIC

CONTENTS:

I. SCOPE OF THE PROGRAM

Montana State University - Northern (MSU-N) and Southern Alberta Institute of Technology (SAIT) hereby establish an articulation agreement leading to a Bachelor of Science Degree in Diesel Technology. The degree will be conferred by MSU-N.

II. LENGTH OF AGREEMENT

This agreement will begin fall semester 2015, the next review will be fall semester 2017. The parties commit to a review every other year after the 2017 review.

III. COURSE ARTICULATION

Students completing the **(1-year Certificate – Diesel Equipment Technician)** will be granted 36 semester credits toward a Bachelor of Science degree in Diesel Technology at MSU-N. Students must have 39 credits at the upper division (300/400) level to complete the degree program. Upon completion of the following technical courses as shown in **Exhibit A** and the meeting of all graduation requirements including the general education requirements as shown in **Exhibit B**, a Bachelor of Science degree in Diesel Technology will be awarded. 120 semester credits are required. **Exhibit C** provides an overview of degree requirements.

General education courses listed on the MSU-N transfer equivalency guide will be accepted to meet part of the 33 credit general education core.

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EXHIBIT A
Required Technical Courses

Technical Courses to be completed at Northern		Credits
ATDI 257	Automatics	4
ATDI 265	Heating & Air Conditioning	4
ATDI 264	Electrical/Electronic Syst. II	6
ATDI 384	AT/DI Electrical/Electronic Systems III	4
ATDI 400	Shop Procedures	3
DST 264	Diesel Engine Diagnosis & Repair	3
DST 274	Diagnosis of Diesel Engine Repair Lab	3
DST 273	Diesel Shop Practices	4
DST 314	Hydraulics & Pneumatics II	4
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
WLDG 260	Repair & Maintenance Welding	3
	Total technical requirements	51
	General Education	33 (minimum)
	Transferred Block	36 (below)
	Total for degree completion	120

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EXHIBIT B
General Education Requirements

Category I (CAT I) Communication (6 credits)	WRIT 101 AND COMX 111 OR COMX 115 OR WRIT 350
Category II (CAT II) Mathematics	M 121, M 145, M 162, M 171, STAT 216, STAT 217
Category III (CAT III) Natural Sciences (6 credits) Students must take one science course that includes a lab. See course description to verify this requirement.	BIOB 101, BIOB 160, BIOE 110, BIOH 104, BIOH 201, BIOH 211, BIOM 250, BIOO 220, CHMY 121, CHMY 123, CHMY 141, ENSC 245, GEO 101, GEO 314, GPHY 111, PHSX 105, PHSX 205, TSCI 304
Category IV (CAT IV) Social Sciences/History (6 credits)	CMSV 101, ECNS 201, ECNS 202, HSTA 101, HSTA 102, HSTR 101, HSTR 102, HSTA 255, PSCI 210, PSYX 100, SOCI 101, SOSC 201
Category V (CAT V) Cultural Diversity (3 credits)	BGEN 360, NASL 120, NASX 105, NASX 304, NASX 232, NASX 310, NASX 235, NASX 340, NASL 331, NASX 450, NRSG 331, SPCH 245, SPNS 101
Category VI (CAT VI) Humanities Appreciation/Creative Arts (6 credits). It is recommended that baccalaureate candidates complete at least one course in each sub category, for a total of 6 credits.	ARTH 160, ARTH 330, ARTH 340, LSH 201, LIT 110, LIT 210, LIT 211, LIT 223, LIT 224, LIT 230, LIT 309, LIT 327, LIT 363, LIT 382, MUSI 201, PHIL 200, PHIL 210 ARTZ 105, ARTZ 106, ARTZ 231, ARTZ 284, ARTZ 363, CRWR 340, MUSI 103, THTR 105
Category VII (CAT VII) Technology (3 credits)	AOT 301, CAPP 120, CAPP 151, EDU 370, IT 100
Total General Education Credits 33 credits (In order to effectively meet the 39 credit upper division requirement, it is recommended 6 of the general education credits be at the 300 or 400 level)	

- Refer to the current MSU-N transfer equivalency guide, or contact the MSU-N registrar's office for general education equivalencies.
- https://atlas.montana.edu:9002/pls/hvagent/hwzkxfer.p_selstate

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EXHIBIT C
Overview of Equivalencies

Program Tech Requirements & Credits		***Transfer Course & Credits***	
ATDI 134 Auto/Diesel Electrical/Electronic Systems I	6	HDMC 207 (1.5cr), HDMC 208 (1.5cr), HDMC 240 (3cr)	6
ATDI 265 Heating & Air Conditioning	4	To be taken at MSU-N	
ATDI 264 Auto/Diesel Electrical/Electronic Syst. II	6	To be taken at MSU-N	
ATDI 257 Automatics	4	To be taken at MSU-N	
ATDI 384 Auto/Diesel Electrical/Electronic Syst. III	4	To be taken at MSU-N	
ATDI 400 Shop Procedures	3	To be taken at MSU-N	
DST 104 Intro to Diesel Engines	3	HDMC 255 (1.5cr) HDMC 241 (1.5cr)	3
DST 114 Intro to Diesel Engines Lab	3	HDMC 257 (3.0cr)	3
DST 115 Intro to Diesel Fuel Systems	5	HDMC 258 (3cr), HDMC 259 (3cr)	6
DST 204 Intro to Hydraulics & Pneumatics	2	HDMC 268 (1.5cr),	1.5
DST 214 Intro to Hydraulics & Pneumatics Lab	2	HDMC 269 (1.5cr)	1.5
DST 216 Heavy Duty Power Trains	4	HDMC 266 (1.5cr), HDMC 231 (1.5cr), HDMC 232 (1.5cr)	4.5
DST 219 Heavy Duty Chassis	4	HDMC 205 (3cr) HDMC 206 (3cr)	6
DST 264 Diesel Engine Diagnosis & Repair	3	To be taken at MSU-N	
DST 274 Diagnosis & Repair Lab	3	To be taken at MSU-N	
DST 273 Diesel Shop Practices	4	To be taken at MSU-N	
DST 314 Hydraulics & Pneumatics II	4	To be taken at MSU-N	
DST 420 Diesel Shop Management	2	To be taken at MSU-N	
DST 440 Advanced Fuel Systems	4	To be taken at MSU-N	
DST 434 Current Model Year Technology	3	To be taken at MSU-N	
DST 450 Diagnosis of Power Shifts & HD Auto	4	To be taken at MSU-N	
DST 498 Cooperative Education	2	To be taken at MSU-N	
WLDG 110 Welding Theory I	2	WEPR 207 (1.5 cr)	1.5
WLDG 111 Welding Theory I Practical	2	HDMC 200 (1.5cr) HDMC 204 (1.5cr)	3
MCH 200 Machining	3	Waived	
WLDG 260 Repair & Maintenance Welding	3	To be taken at MSU-N	

Program Gen. Ed. **Requirements** - See Exhibit B for eligible courses		
CAT I Communications	Please see the Transfer Guide online for courses to fulfill this area	
Cat II – Mathematics (3 credits)	Please see the Transfer Guide online for courses to fulfill this area	
Cat III – Natural Sciences (6 credits)	Please see the Transfer Guide online for courses to fulfill this area	
Cat IV – Social Sciences/History (6 credits)	Please see the Transfer Guide online for courses to fulfill this area	
Cat V – Cultural Diversity (3 credits)	Please see the Transfer Guide online for courses to fulfill this area	
Cat VI – Humanities Appreciation/Creative Arts (6 credits)	Please see the Transfer Guide online for courses to fulfill this area	
Cat VII- Technology (3 credits)	Please see the Transfer Guide online for courses to fulfill this area	

IV. TUITION AND FEES

Tuition will be billed to each student at MSU-N's prevailing cost-per-credit rate for all courses.

V. ADMISSIONS POLICY AND REQUIREMENTS

Admission requirements for MSU-N are as follows:

1) Completed MSU-N Application for Admission
2) $30 non-refundable "one-time" application fee
3) In order to be in compliance with Montana state law, all degree seeking students or students carrying more than seven (7) credits, who are born on or after January 1, 1957 must show proof of two vaccinations against measles and one against rubella; "or" show documentation from a physician with dates of illness of having contracted measles and rubella; "or" file a notarized medical or religious exemption.
4) An official academic transcript from ***all*** accredited universities, colleges, and vocational technical centers attended. (Official college transcripts must be sent to the Admissions Office in a sealed envelope directly from the institution.)
5) Students transferring to MSU-N must have a minimum cumulative transferable grade point average of 2.0 from all colleges or universities previously attended.

VI. FINANCIAL AID

All enrolled students are eligible to apply for financial aid at MSU-N. Each student's situation will be evaluated on an individual basis. Students must apply for financial assistance through MSU-N's Financial Aid Office.

VII. CONTACT INFORMATION

Montana State University-Northern:

Admissions: 1-800-662-6132 ext. 3704
Registrar: 1-800-662-6132 ext. 3703
Financial Aid: 1-800-662-6132 ext. 3787

Student Success Center:
Tracey Jette
Senior Director, 1.800.662.6132 ext. 3566
Tracey.jette@msun.edu

College of Technical Sciences: 1.800.662.6132 ext. 3740
Dr. Larry Strizich
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ARTICULATION AGREEMENT APPROVAL SIGNATURE SHEET

Participating institution: **Southern Alberta Institute of Technology**

Articulated Program: **1 year DIESEL EQUIPMENT TECHNICIAN certificate**

Degree/Credential: **BACHELOR OF SCIENCE**

Effective Dates: Start: Fall Semester 2015 Review: Fall Semester 2017

☒ New Agreement ☐ Review

The undersigned have read and concur with the applicable policies and procedures for the attached articulation agreement.

MSU – Northern

Greg Clouse – Professor
Diesel Technology

Steven Don– Chair
Collage of Technical Sciences

Dr. Larry Strizich – Dean
Collage of Technical Sciences

Alisha Schroeder
Registrar

Southern Alberta Institute of Technology

Brad Donaldson
Vice-President, Academic

Brian Moukperian - Dean
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Mike Steman - Academic Chair
Diesel Equipment Technician