



ARTICULATION AGREEMENT

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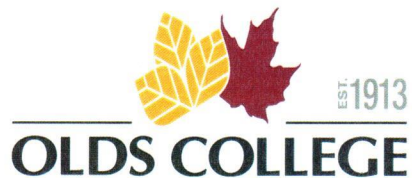
MONTANA STATE UNIVERSITY-NORTHERN

and

**OLDS COLLEGE (School of Trades), Olds, Alberta, Canada
(Agricultural & Heavy Equipment diploma)**

For

**BACHELOR OF SCIENCE DEGREE
IN DIESEL TECHNOLOGY**



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I. SCOPE OF THE PROGRAM

Montana State University - Northern (MSU-N) and Olds College (School of Trades), Olds, Alberta, 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 **(Agricultural & Heavy Equipment diploma)** will be granted 56 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.

EXHIBIT A
Required technical courses

Technical Courses to be completed at Northern		Credits
ATDI 384	AT/DI Electrical/Electronic Systems III	4
ATDI 400	Shop Procedures	3
DST 314	Hydraulics & Pneumatics II	4
DST420	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	7
	Total technical requirements	31
	General Education	33 (minimum)
	Transferred Block	56 (Exhibit C)
	Total for degree completion	120

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, NASL 331, NASX 105, NASX 304, NASX 232, NASX 235, NASX 310, NASX 340, NASX 450, NRSO 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
<p>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)</p>	

- 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

EXHIBIT C Overview of Equivalencies

Program Technical Requirements & Credits		Transferred Courses & Credits	
ATDI 134 Auto/Diesel Electrical/Electronic Systems I	6	TEC 1522 (3cr), TEC 1100 (3cr)	6
ATDI 265 Heating & Air Conditioning	4	TEC 2338 (2cr), MGT 1510 (1cr)	3
ATDI 264 Auto/Diesel Electrical/Electronic Syst. II	6	TEC 2722 (3cr) TEC 1604 (1cr) TEC 1026 (1cr)	5
ATDI 257 Automatics	4	TEC 2126 (4cr)	4
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	TEC 1404 (3cr)	3
DST 114 Intro to Diesel Engines Lab	3	TEC 1504 (3cr)	3
DST 115 Intro to Diesel Fuel Systems	5	TEC 1604 (2cr), TEC 2733 (3cr)	5
DST 204 Intro to Hydraulics & Pneumatics	2	TEC 2305 (3cr)	3
DST 214 Intro to Hydraulics & Pneumatics Lab	2	TEC 2703 (3cr)	3
DST 216 Heavy Duty Power Trains	4	TEC 2436 (3cr), MGT 1510 (1cr)	4
DST 219 Heavy Duty Chassis	4	TEC 1026 (2cr), TEC 2218 (3cr)	5
DST 264 Diesel Engine Diagnosis & Repair	3	TEC 1000 (3cr)	3
DST 274 Diag. Diesel Engine Repair Lab	3	TEC 2226 (3cr)	3
DST 273 Diesel Shop Practices	4	TEC 2749 (3cr), MGT 1510 (1cr)	3
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	7	To be taken at MSU-N	
MCH 200 Machining	3	Waived	
WLDG 110 Welding Theory I	2	WLD 1167 (2cr)	2
WLDG 111 Welding Theory I Practical	2	WLD 1167 (1cr)	1
WLDG 260 Repair & Maintenance Welding	3	Waived	
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) M145 or higher</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	6
<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 Appreciation/Creative Arts (6 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	6
<i>Cat VII- Technology (3 credits)</i>		Please see the Transfer Guide online for courses to fulfill this area	3

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
Dean, College of Technical Sciences 1.800.662.6132 ext. 3724
strizich@msun.edu

Steven Don
Chair, College of Technical Sciences 1.800.662.6132 ext. 4185
Associate Professor, Diesel Technology
sdon@msun.edu

Greg Clouse
Professor, Diesel Technology 1.800.662.6132 ext.4187
clouseg@msun.edu

Olds College (School of Trades):

Dan Daley
Dean, School of Trades 403.556.8272
ddaley@oldscollege.ca

Keith Smyth
Program Coordinator, School of Trades 403.507.7938
ksmyth@oldscollege.ca

ARTICULATION AGREEMENT APPROVAL SIGNATURE SHEET

Participating institution: **Olds College (School of Trades), Olds, Alberta**

Articulated Program: **Agricultural & Heavy Equipment diploma**


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
College of Technical Sciences
Associate Professor
Diesel Technology

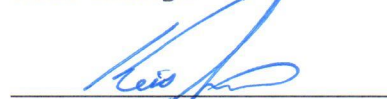


Dr. Larry Strizich – Dean
College of Technical Sciences

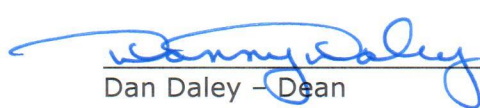


Alisha Schroeder
Registrar

Olds College



Keith Smyth - Program Coordinator
School of Trades



Dan Daley – Dean
School of Trades



Dr. Jason Dewling
Vice-President Academic & Research