



ARTICULATION AGREEMENT

Offered collaboratively by

MONTANA STATE UNIVERSITY-NORTHERN

and

**Portland Community College
(A.A.S. Diesel Service Technology)**

For

**BACHELOR OF SCIENCE DEGREE
IN DIESEL TECHNOLOGY**



CONTENTS:

I. SCOPE OF PROGRAM	Pg 3
II. LENGTH OF AGREEMENT	Pg 3
III. COURSE ARTICULATION	Pg 3
EXHIBIT A: REQUIRED TECHNICAL COURSES	Pg 4
EXHIBIT B: GENERAL EDUCATION REQUIREMENTS	Pg 5
EXHIBIT C: OVERVIEW OF EQUIVALENCIES	Pg 6
IV. TUITION & FEES	Pg 7
V. ADMISSIONS POLICY AND REQUIREMENTS	Pg 7
VI. FINANCIAL AID	Pg 7
VII. Merger	Pg 8
VIII. CONTACT INFORMATION	Pg 8
ARTICULATION AGREEMENT APPROVAL SIGNATURE SHEET	Pg 9

I. SCOPE OF THE PROGRAM

Montana State University Northern (MSUN) and Portland Community College (PCC), Oregon, hereby establish an articulation agreement leading to a Bachelor of Science Degree in Diesel Technology. The degree will be conferred by MSU Northern.

II. LENGTH OF AGREEMENT

This agreement will begin fall semester 2015. The parties commit to a review of Exhibit A, Exhibit B, and Exhibit C each academic year. MSUN commits to reviewing these exhibits and sending an updated version of each exhibit to the PCC Dean of Academic Affairs, no later than August 1 of each year. PCC commits to reviewing the updated exhibits and returning them with any changes to the MSUN to the Chair of the College of Technical Sciences no later than September 1 of each year. The updated exhibits will be dated with the appropriate calendar year, signed by the PCC Dean of Academic Affairs and [MSUN position] and incorporated into the agreement no later than September 15 of each year.

Either party may terminate or suspend this Agreement for convenience upon sixty (60) days written notice; provided, however, that the parties shall discuss and reasonably attempt to resolve the issues that led to the notice of termination or suspension during the sixty (60) day period. Notwithstanding the termination of this Agreement, any students who have applied for transfer from PCC to MSUN prior to or during the sixty (60) day period shall be treated as if this Agreement continues to be in effect.

III. COURSE ARTICULATION

Students completing the **A.A.S. Diesel Service Technology** will be granted 50 semester credits toward a Bachelor of Science degree in Diesel Technology at MSU Northern. 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.

In addition, general education courses listed on the MSUN transfer equivalency guide will be accepted to meet part of the 33 credit general education core, assuming a grade of C or P or better has been achieved. Grades of D will not be accepted.

Students who seek to exercise this articulation agreement should contact MSUN Admissions as soon as possible in order to identify the catalog year applicable to their degree completion.

EXHIBIT A
Required technical courses

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	13
	Total technical requirements	37
	General Education	33 (minimum)
	Transferred Block (Technical courses)	50 (Exhibit C)
	Total for degree completion	120

EXHIBIT B General Education Requirements

	MSUN Courses*
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, NRSRG 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 for PCC, 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 (in Semester Credits)		
ATDI 134 Auto/Diesel Electrical/Electronic Systems I	6	DS 104 Fundamentals of Electricity & Electronics DS 106 PMI and Detroit Diesel Electronic Control	4 2
ATDI 257 Automatics	4	DS 102 Truck Power Train	4
ATDI 264 Auto/Diesel Electrical/Electronic Syst. II	6	DS 204 Diesel Starting, Charging and Electronic Control Systems	4
ATDI 265 Heating & Air Conditioning	4	DS 105 Fundamentals of Hydraulics/AC Systems	4
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	DS 101 Diesel Engine Rebuild and Lab Procedures	3
DST 114 Intro to Diesel Engines Lab	3	DS 101 Diesel Engine Rebuild and Lab Procedures	3
DST 115 Intro to Diesel Fuel Systems	5	DS 103 Fuel Injection Systems	4
DST 204 Intro to Hydraulics & Pneumatics	2	DS 205 Mobile & Hydrostatic Hydraulics	2
DST 214 Intro to Hydraulics & Pneumatics Lab	2	DS 205 Mobile & Hydrostatic Hydraulics	2
DST 216 Heavy Duty Power Trains	4	DS 202 Heavy Duty Power Trains	4
DST 219 Heavy Duty Chassis	4	DS 206 Med/Heavy Duty Brakes, Suspension & Steering Systems	6
DST 264 Diesel Engine Diagnosis & Repair	3	DS 203 Fuel Injection System Diagnosis and Caterpillar Electronic Engine Controls	3
DST 274 Diag. Diesel Engine Repair Lab	3	DS 203 Fuel Injection System Diagnosis and Caterpillar Electronic Engine Controls DS 101 Diesel Engine Rebuild and Lab Procedures	1 2
DST 273 Diesel Shop Practices	4	Waived	
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	13	To be taken at MSU Northern	
MCH 200 Machining	3	Waived	
WLDG 110 Welding Theory I	2	WLD 217 Diesel Welding	1
WLDG 111 Welding Theory I Practical	2	WLD 217 Diesel Welding	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)</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 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 Northern's prevailing cost-per-credit rate for all courses.

Western Undergraduate Exchange:

The Western Undergraduate Exchange (WUE) is a program of the Western Interstate Commission for Higher Education (WICHE). Through WUE, students in qualifying states may enroll in many 2-year and 4-year college programs at a reduced tuition level: approximately 150 percent of the institution's regular resident tuition. All degree programs at MSU Northern are open to WUE students.

WUE scholarship applicants must have a complete Admission file for award consideration.

Conditions for enrollment under WUE:

- Maintain a 2.5 GPA
- Minimum of 15 credits per semester of continuous enrollment during fall & spring semesters

Application and admission information:

Refer to the Admissions Office 1-800.622.6132 X3704 or email admissions@msun.edu.

V. ADMISSIONS POLICY AND REQUIREMENTS

Admission requirements for MSU Northern are as follows:

- 1) Completed MSU Northern 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 Northern 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 Northern. Each student's situation will be evaluated on an individual basis. Students must apply for financial assistance through MSU Northern's Financial Aid Office.

VII. MERGER

THIS AGREEMENT CONSTITUTES THE ENTIRE AGREEMENT BETWEEN THE PARTIES. NO WAIVER, CONSENT, MODIFICATION, OR CHANGE OF TERMS OF THIS AGREEMENT SHALL BIND EITHER PARTY UNLESS IN WRITING AND SIGNED BY BOTH PARTIES. SUCH WAIVER, CONSENT, MODIFICATION, OR CHANGE, IF MADE, SHALL BE EFFECTIVE ONLY IN THE SPECIFIC INSTANCE AND FOR THE SPECIFIC PURPOSE GIVEN. THERE ARE NO UNDERSTANDINGS, AGREEMENTS, OR REPRESENTATIONS, ORAL OR WRITTEN, NOT SPECIFIED HEREIN REGARDING THIS AGREEMENT.

VIII. 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

Portland Community College:

Tyler Phillis
Diesel Instructor (971) 722-7487
trace.phillis@pcc.edu

Russ Dunnington
Chair (971) 422-7488
rdunning@pcc.edu

Dr. Kendra Cawley
Dean of Academic Affairs (971) 722-4481
kawley@pcc.edu

ARTICULATION AGREEMENT APPROVAL SIGNATURE SHEET

Participating institution: **Portland Community College**

Articulated Program: **A.A.S. Diesel Service Technology**

Degree/Credential: **BACHELOR OF SCIENCE Diesel Technology**

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

Portland Community College



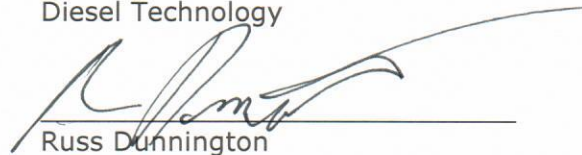
Greg Clouse - Professor
Diesel Technology



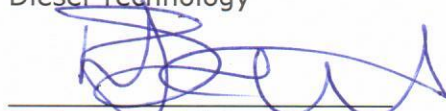
Tyler Phillis - Instructor
Diesel Technology



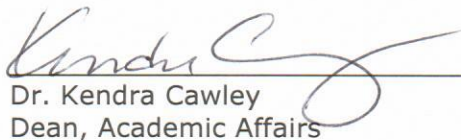
Steven Don - Chair,
College of Technical Sciences
Associate Professor
Diesel Technology



Russ Dunnington
Chair, Diesel Service Department



Dr. Larry Strizich - Dean,
College of Technical Sciences



Dr. Kendra Cawley
Dean, Academic Affairs



Alisha Schroeder - Registrar



Dr. Christine Chairsell
Vice-President, Academic & Student
Affairs



Dr. William Rugg - Provost and Vice-
Chancellor for Academic Affairs