



Updated: October 24, 2008

ARTICULATION AGREEMENT

Offered collaboratively by

MONTANA STATE UNIVERSITY-NORTHERN

and

BLUE MOUNTAIN COMMUNITY COLLEGE
(Associate of Applied Science Degree –Diesel Technology)

For

BACHELOR OF SCIENCE DEGREE IN DIESEL TECHNOLOGY

I. SCOPE OF THE PROGRAM

Montana State University - Northern (MSUN) and Blue Mountain Community College (BMCC) hereby establish an articulation agreement leading to a Bachelor of Science Degree in Diesel Technology. The degree will be conferred by MSUN.

II. LENGTH OF AGREEMENT

This agreement will begin fall semester 2008. The parties commit to a review every other year. The next review will be spring semester 2010.

III. COURSE ARTICULATION

Students completing the **Associate of Applied Science Degree in Diesel Technology** at BMCC will be granted 56.02 semester credits toward a Bachelor of Science degree in Diesel Technology at MSUN. 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 MSUN 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	Auto/Diesel Electrical/Electronic Systems III	4
ATDI 400	Shop Procedures	2
DIES 314	Hydraulics & Pneumatics II	4
DIES 420	Diesel Shop Management	2
DIES 434	Current Model Year Technology (Capstone Course)	3
DIES 440	Advanced Fuel Systems	4
DIES 450	Diagnosis of Power Shifts and Heavy Duty Automatics	4
DIES 479	Cooperative Education	12
ENGL 366	Technical Writing and Editing (Meets CAT I General Education Requirements)	(3)*
METL 155	Machine Processes	3
TSCI 304	Fuels and Lubricants (Meets CAT III General Education Requirements)	(3)*
	Technical requirements to be taken at MSUN	38
	General Education to be taken at MSUN	26
	Transferred Technical Courses	48.68
	Transferred General Education	7.34

* () Credits counted in General Education area.



EXHIBIT B (*MSUN General Education Requirements)

Category I	Communication (6 credits) ENGL 112 and SPCH 141 or SPCH 142 or ENGL 366
Category II	Mathematics (3 credits) Math 110 or higher
Category III	Natural Science with 1 lab course (6 credits) AG 204, BIOL, CHEM, ESCI, GSCI, NSCI, PHYS, TSCI 110, TSCI 230, TSCI 304, TSCI 320
Category IV	Social Science/History (6 credits) CMSV 101, ECON 241, 242, 346, POL 134, 235, 303, HIST 131, 132, 141, 142, 216, 374, PSYC 101, 205, 315, SOC 101, 240, SOSC 201
Category V	Cultural Diversity (3 credits) NAS 105, 106, 220, 310, 330, 331, 350, 364, NURS 331, SOC 315, SPAN 105, 106
Category VI	Fine Arts/Humanities (6 credits) ART 100, 115, 120, 150, 151, 204, 353, 361, 362, DRMA 109, ENGL 114, 201, 202, 214, 221, 222, 309, 310, 311, 330, 385, GDSN 270, HUM 201, MUS 101, 110, PHIL 200, 210
Category VII	Technology (3 credits) AOT 301, CIS 110, CIS 320, 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+ level)	

- Refer to the current MSUN transfer equivalency guide, or contact the MSUN Advising Center for general education equivalencies.
- https://atlas.montana.edu:9002/pls/hvagent/hwzkxfer.p_selstate



MONTANA STATE UNIVERSITY NORTHERN

EXHIBIT C (Overview of Equivalencies)

Program Tech Requirements	BMCC Equivalencies	
ATDI 134 Electrical/Electronic Systems I	DSL 191 & 192 Electrical Systems I & II	5.34
ATDI 257 Automatics	DSL 153 Manual Drive Trains II	2
ATDI 264 Electrical/Electronic Systems II	DSL 193 Electrical Systems III & DSL 196 Electronics Diagnosis	4.67
ATDI 265 Heating & Air Conditioning	DSL 176 Mobile Air-Conditioning & Heating	2
ATDI 384 Electronic Applications	<i>To be taken at MSUN</i>	
ATDI 400 Shop Procedures	<i>To be taken at MSUN</i>	
DIES 104 Intro to Diesel Engines	DSL 161 Diesel Engines	2
DIES 114 Intro to Diesel Engines Lab	DSL 162 Engine Repair I	2
DIES 115 Intro to Diesel Fuel Systems	DSL 262 Engine Repair II	2
DIES 204 Intro to Hydraulics & Pneumatics	DSL 184 Applied Fluid Mechanics	1.33
DIES 214 Hydraulics & Pneumatics Lab	DSL 184 Applied Fluid Mechanics	1.34
DIES 216 Heavy Duty Power Trains	DSL 152 Manual Drive Trains I	2
DIES 219 Heavy Duty Chassis	DSL 151 & 251 Heavy Duty Brakes I & II	4
DIES 262 Diesel Engine Diagnosis & Repair	DSL 175 Heavy Duty Equipment	2
DIES 272 Diagnosis & Repair Lab	DSL 141 HD Steering & Suspension Diag.	2
DIES 273 Diesel Shop Practices	DSL 181 Shop Practices	2
DIES 314 Hydraulics & Pneumatics II	<i>To be taken at MSUN</i>	
DIES 420 Diesel Shop Management	<i>To be taken at MSUN</i>	
DIES 434 Current Model Year Technology	<i>To be taken at MSUN</i>	
DIES 440 Advanced Fuel Systems	<i>To be taken at MSUN</i>	
DIES 450 Diagnosis of Power Shifts & HD Automatics	<i>To be taken at MSUN</i>	
DIES 479 Cooperative Education	DSL 280 CWE-Cooperative Work Experience	4
ENGL 366 Technical Writing & Editing	<i>To be taken at MSUN</i>	
METL 140 Intro to Welding & Cutting	WLD 111 Basic Gas/Arc Welding & WLD 112 Advanced Arc Welding	4
METL 155 Machine Processes	<i>To be taken at MSUN</i>	
METL 260 Repair & Maintenance Welding	DSL 241 Frames, Couplings & Trailers	2
TSCI 304 (meets Gen. Ed. Cat III) Fuels & Lubricants	<i>To be taken at MSUN</i>	
Electives Accepted by Program	HD 100 College Survival	2
	SP 100 Communication or SP 111 Fundamental of Speech	2
Program Gen. Ed. Requirements <i>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</i>	
Cat II – Mathematics (3 credits)	MTH 105 or higher	2.67
Cat III – Natural Sciences (6 credits)	<i>Please see the Transfer Guide online for courses to fulfill this area</i>	
Cat IV – Social Sciences/History (6 credits)	Social Science requirements	2
Cat V – Cultural Diversity (3 credits)	<i>Please see the Transfer Guide online for courses to fulfill this area</i>	
Cat VI – Fine Arts/Humanities (6 credits)	<i>Please see the Transfer Guide online for courses to fulfill this area</i>	
Cat VII – Technology (3 credits)	CS 120 Concepts of Computing or BA 131 Introduction to Business Computing	2.67



MONTANA STATE UNIVERSITY **NORTHERN**

IV. TUITION AND FEES

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

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 two-year and four-year college programs at a reduced tuition level: 150 percent of the institution's regular resident tuition. WUE tuition is considerably less than nonresident tuition. All Degree Programs at MSU-N 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 grade point average in at least 15 credits per semester of continuous enrollment during the fall and spring semesters.

Application and admission information:

Submit WUE Scholarship application and Admission application to:

Montana State University-Northern

Admissions Office

P.O. Box 7751

Havre, MT 59501

(800) 662-6132

V. ADMISSIONS POLICY AND REQUIREMENTS

Admission requirements for MSUN are as follows:

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



MONTANA STATE UNIVERSITY NORTHERN

VII. CONTACT INFORMATION

Admissions: 1-800-662-6132 ext. 3704

Advising: 1-800-662-6132 ext. 3760

Registrar: 1-800-662-6132 ext. 3703

Financial Aid: 1-800-662-6132 ext. 3787

College of Technical Sciences: 1-800-662-6132 ext. 3740

Lynn Stilger ~ Diesel Instructor

1-800-662-6132 ext. 4158, stilger@msun.edu

Greg Clouse ~ Diesel Instructor

1-800-662-6132 ext. 4187, clouseg@msun.edu

Larry Strizich ~ Chair, COTS

1-800-662-6132 ext. 3724, strizich@msun.edu

Greg Kegel ~ Dean, COTS

1-800-662-6132 ext. 4157, kegel@msun.edu



MONTANA STATE UNIVERSITY NORTHERN

ARTICULATION AGREEMENT APPROVAL COVER SHEET

Participating institution(s) **BLUE MOUNTAIN COMMUNITY COLLEGE
(Associate of Applied Science Degree in Diesel
Technology)**

Articulated Program **DIESEL TECHNOLOGY**

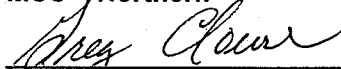
Degree/Credential **BACHELOR OF SCIENCE**

Effective Dates **Start: Fall Semester 2008 Renew: Spring Semester 2010**

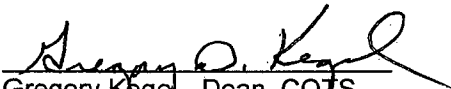
New Agreement Renewal/Revised

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

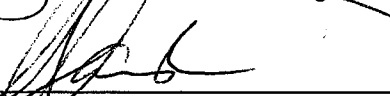
MSU - Northern


Greg Clouse - Program Instructor


Larry Strizich - Chair, COTS


Gregory Kege - Dean, COTS

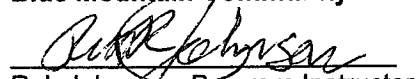

Shaun Albrecht - Advising


Steve Jamruszka - Registrar

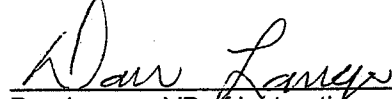

Dr. Joseph P. Callahan - Provost

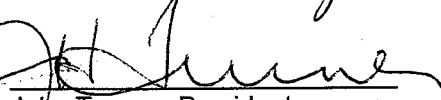

Dr. Rolf Groseth - Chancellor

Blue Mountain Community College


Rob Johnson - Program Instructor


Kevin McCarthy - Associate VP of Instruction


Dan Lange - VP of Instruction


John Turner - President