



ARTICULATION AGREEMENT

Offered collaboratively by

MONTANA STATE UNIVERSITY NORTHERN

and

Lane Community College

(Associate of Applied Science – Diesel Technology)

For

**BACHELOR OF SCIENCE DEGREE
IN DIESEL TECHNOLOGY**



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I. SCOPE OF THE PROGRAM

Montana State University Northern and Lane Community College, Eugene, 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 2016, the next review will be fall semester 2018. The agreement will remain in place unless terminated by either party. The parties commit to a yearly review after the 2018 review, any updates will be conducted via email. Any changes may be added as an Addendum to the original agreement.

III. COURSE ARTICULATION

Students completing the **Associate of Applied Science – Diesel Technology** will be granted 53 technical semester credits and 3 General Education 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.

General education courses listed on the MSU Northern 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 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	10
	Total technical requirements	34
	General Education	30 (minimum)
	Transferred Block (Technical courses)	53 (Exhibit C)
	Transferred Block (General Education)	3
	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, NRSB 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)

MSU Northern Program Technical Requirements	Lane Community College (converted to Semester credits)
ATDI 134 Auto/Diesel Electrical/Electronic Systems I	DS 257 Diesel Electrical Systems
ATDI 257 Automatics	DS 158 Heavy Equipment Chassis & Power Trains
ATDI 264 Auto/Diesel Electrical/Electronic Syst. II	DS 257 Diesel Electrical Systems DS 155 Heavy Equipment Hydraulics
ATDI 265 Heating & Air Conditioning	Waived
ATDI 384 Auto/Diesel Electrical/Electronic Syst. III	To be taken at MSU Northern
ATDI 400 Shop Procedures	To be taken at MSU Northern
DST 104 Intro to Diesel Engines	DS 256 Diesel & Auxiliary Fuel Systems
DST 114 Intro to Diesel Engines Lab	DS 259 Diesel Engines & Engine Overhaul
DST 115 Intro to Diesel Fuel Systems	DS 256 Diesel & Auxiliary Fuel Systems
DST 204 Intro to Hydraulics & Pneumatics	DS 155 Heavy Equipment Hydraulics
DST 214 Intro to Hydraulics & Pneumatics Lab	DS 155 Heavy Equipment Hydraulics
DST 216 Heavy Duty Power Trains	DS 158 Heavy Equipment Chassis & Power Trains
DST 219 Heavy Duty Chassis	DS 154 Heavy Duty Braking Systems
DST 264 Diesel Engine Diagnosis & Repair	DS 259 Diesel Engines & Engine Overhaul
DST 274 Diag. Diesel Engine Repair Lab	DS 259 Diesel Engines & Engine Overhaul
DST 273 Diesel Shop Practices	DS 154 Heavy Duty Braking Systems
DST 314 Hydraulics & Pneumatics II	To be taken at MSU Northern
DST 420 Diesel Shop Management	To be taken at MSU Northern
DST 440 Advanced Fuel Systems	To be taken at MSU Northern
DST 434 Current Model Year Technology	To be taken at MSU Northern
DST 450 Diagnosis of Power Shifts & HD Auto	To be taken at MSU Northern
DST 498 Cooperative Education	To be taken at MSU Northern
WLDG 110 Welding Theory I	WLD 121 Shielded Metal Arc Welding 1
WLDG 111 Welding Theory I Practical	WLD 122 Shielded Metal Arc Welding 2* or Waived
MCH 200 Machining Processes	Waived
WLDG 260 Repair & Maintenance Welding	Waived
	NOTE: * indicates choices for Lane CC students
Program Gen. Ed. Requirements See Exhibit B for eligible courses (NOTE: credits listed are semester credits)	
CAT I Communications (6 credits)	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)	CS 120 Concepts of Computing: Information Processing

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.

Students *MAY* be eligible for in-state residency. Please refer to the following links for Montana University System (MUS) requirements:

http://mus.edu/Prepare/College/Student_Guide_to_Residency_Pol.pdf

http://mus.edu/Prepare/College/Residency_Questionnaire.pdf

http://mus.edu/Prepare/College/Montana_Residency_Requirements.asp

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. (1.800.622.6132 X3787)

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

Tracey.jette@msun.edu

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College of Technical Sciences:

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Lane Community College:

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Eugene, OR 97405

Main: (541) 463-3000

Enrollment Services: (541) 463.3100

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ARTICULATION AGREEMENT APPROVAL SIGNATURE SHEET

Participating institution: **Lane Community College**
Articulated Program: **Associate Applied Science – Diesel Technology**
Degree/Credential: **BACHELOR OF SCIENCE Diesel Technology**
Effective Dates: Start: Fall Semester 2016 Review: Fall Semester 2018
 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



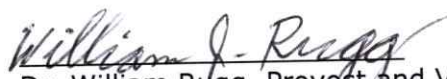
Steven Don – Chair
College of Technical Sciences
Associate Professor,
Diesel Technology



Dr. Larry Strizich – Dean
College of Technical Sciences




Alisha Schroeder - Registrar



Dr. William Rugg, Provost and Vice-
Chancellor for Academics

Lane Community College



Steve Webb – Instructor
Diesel Technology



Patrick O'Connor - Division Dean
Advanced Technology



Dawn DeWolf - Executive Dean
Academic Affairs Career Technical