



ARTICULATION AGREEMENT

Offered collaboratively by

MONTANA STATE UNIVERSITY-NORTHERN

and

ROGUE COMMUNITY COLLEGE

(Associate of Applied Science – Diesel 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. CONTACT INFORMATION	Pg 8
ARTICULATION AGREEMENT APPROVAL SIGNATURE SHEET	Pg 9

I. SCOPE OF THE PROGRAM

Montana State University-Northern and Rogue Community College, 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 2019, the next review will be fall semester 2021. The parties commit to a review every other year after the 2021 review.

III. COURSE ARTICULATION

Students completing the **Associate of Applied Science – Diesel Technology** will be granted 52 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.

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
MCH 200	Machining (or MFG 121 Manufacturing Processes I from Rogue CC)	3
WLDG 260	Repair & Maintenance Welding (or WLD 112 Technology of Industrial welding II from Rogue CC)	3
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	5
	Total technical requirements	35
	General Education (33 total credits needed to meet General Education graduation requirements)	21
	General Education (possible transfer)	12 (Exhibit C)
	Transferred Technical courses	52 (Exhibit C)
	Total for degree completion	120

EXHIBIT B: General Education Requirements

Category I	Communication (6 credits) WRIT 101 AND COMX 111 OR COMX 115 OR WRIT 350
Category II	Mathematics (3 credits) M 105, M121, M162, M171, STAT 216, STAT 217
Category III	Natural Science with 1 lab course (6 credits) BIOB 101/102, BIOB 160/161, BIOE 110, BIOH 104, BIOH 201/202, BIOM 250/251, BIOC 220/221, CHMY 121/122, CHMY 141/142, ENSC 245, GEO 101/102, GEO 314, GPHY 111, PHSX 105/106, PHSX 205/206, TSCI 304
Category IV	Social Science/History (6 credits) CMSV 101, ECNS 201, ECNS 202, HSTA 101, HSTA 102, HSTA 255, HSTR 101, HSTR 102, PSCI 210, PSYX 100, SOCI 101, SOSC 201
Category V	Cultural Diversity (3 credits) BGEN 360, NASL 331, NASX 105, NASX 120, NASX 232, NASX 235, NASX 304, NASX 310, NASX 340, NRSX 331, SPNS 101, COMX 212
Category VI	Humanities Fine Arts (6 credits) ARTZ 105, ARTZ 106, ARTZ 231, ARTZ 284, ARTZ 363, ARTH 160, ARTH 330, ARTH 340, CRWR 340, LIT 110, LIT 210, LIT 211, LIT 223, LIT 224, LIT 230, LIT 309, LIT 327, LIT 363, LIT 382, LSH 201, MUSI 201, PHIL 200, PHIL 210, THTR 101, THTR 105
Category VII	Technology (3 credits) AOT 301, CAPP 120, CAPP 151, EDU 370, IT 100
Total General Education Credits - 33 credits if taken at MSU-Northern.	

- 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 requirements & Credits		Rogue Community College Transfer Courses (converted to Semester Credits)	
ATDI 134 Auto/Diesel Electrical/Electronic Systems I	6	DS 111 Basic Electricity for Diesel Technicians I DS 134 Basic Electricity for Diesel Technicians II	7 2
ATDI 257 Automatics	4	To be taken at MSU Northern	
ATDI 264 Auto/Diesel Electrical/Electronic Syst. II	6	DS 233 Computerized Vehicle Management Systems	4
ATDI 265 Heating & Air Conditioning	4	DS 270 Air Conditioning for Diesel Technicians	3.5
ATDI 384 Auto/Diesel Electrical/Electronic Syst. III	6	To be taken at MSU Northern	
ATDI 400 Shop Procedures	2	To be taken at MSU Northern	
DST 104 Intro to Diesel Engines	2	DS 131 Diesel Engine Dynamics & Diagnosis	2.5
DST 114 Intro to Diesel Engines Lab	2	DS 113 Diesel Engine Overhaul	3
DST 115 Intro to Diesel Fuel Systems	2	DS 232 Heavy Equipment Fuel Systems	2
DST 204 Intro to Hydraulics & Pneumatics	2	DS 260 Hydraulic Systems	2
DST 214 Intro to Hydraulics & Pneumatics Lab	2	DS 280S Cooperative Work experience Seminar/Diesel Approved program electives	1
DST 216 Heavy Duty Power Trains	4	DS 141 Heavy Equipment Power Trains	2.75
DST 219 Heavy Duty Chassis	4	DS 151 Heavy Equipment Brakes DS 160 Heavy Equipment Suspension & Steering Systems	3.5 3.5
DST 264 Diesel Engine Diagnosis & Repair	3	DS 275 Preventative Maintenance Inspection	3.5
DST 274 Diag. Diesel Engine Repair Lab	2	DS 190 Diesel Repair Lab 1 DS 280 Cooperative work experience/Diesel or DS 290 Diesel Repair Lab II	2 2
DST 273 Diesel Shop Practices	4	DS 120 Diesel Practices	3.5
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	1	To be taken at MSU Northern	
WLDG 110 Welding Theory I	2	WLD 111D Technology of Industrial Welding I	2
WLDG 111 Welding Theory I Practical	2	WLD 111D Technology of Industrial Welding I	2
MCH 200 Machining Processes	3	To be taken at MSU Northern, or MFG 121 Manufacturing Processes I from RCC	3
WLDG 260 Repair & Maintenance Welding	3	To be taken at MSU Northern, or WLD 112 Technology of Industrial welding II from RCC	3
Program Gen. Ed. Requirements See Exhibit B for eligible courses			
CAT I Communications (6 credits)		WR 121 or higher WRIT 350 Technical Editing - MSU-Northern	3 3
Cat II - Mathematics (3 credits)		MTH 105 or higher Math	3
Cat III - Natural Sciences (6 credits)		GS 104 Physical Science TSCI 304 Fuels & Lubes - MSU-Northern	3 3
Cat IV - Social Sciences/History (6 credits)		PSY 101 Psychology of Human Relations Please see the Transfer Guide online for courses to fulfill this area	3 3
Cat V - Cultural Diversity (3 credits)		Please see the Transfer Guide online for courses to fulfill this area	3
Cat VI - Humanities/Fine Arts (6 credits)		Please see the Transfer Guide online for courses to fulfill this area	6
Cat VII- Technology (3 credits)		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 information: <https://www.msun.edu/admissions/wue.aspx>

Tuition & Fees for WUE students: <http://www.msun.edu/busserv/feetables/FY19-Fees-UG-PB-WUE-Can-Havre.pdf>

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.

<https://www.msun.edu/finaid/>

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

College of Technical Sciences:	1.800.662.6132 ext. 3740
Dr. David Krueger	
Dean, College of Technical Sciences	1.800.662.6132 ext. 3724
david.krueger@msun.edu	
Steven Don	
Chair, College of Technical Sciences	1.800.662.6132 ext. 4185
Professor, Diesel Technology	
sdon@msun.edu	
Greg Clouse	
Professor, Diesel Technology	1.800.662.6132 ext. 4187
clouseg@msun.edu	

Rogue Community College:

Rogue Community College – Table Rock Campus
7800 Pacific Avenue
White City, OR 97503-1060
Main: 541.245.7500

Juliet Long	
Interim Vice-President of instruction	541.245.7802
jlong@roquecc.edu	
Hector Flores Aguirre	
Department Chair, Diesel Technology	541.245.7997
hflores@roquecc.edu	

ARTICULATION AGREEMENT APPROVAL SIGNATURE SHEET

Participating institution: **Rogue Community College**

Articulated Program: **Associate of Applied Science – Diesel Technology**

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

Effective Dates: Start: Fall Semester 2019 Review: Fall Semester 2021

New Agreement Review

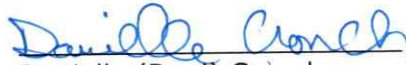
The undersigned have read and concur with the applicable policies and procedures for the attached articulation agreement.

MSU-Northern



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

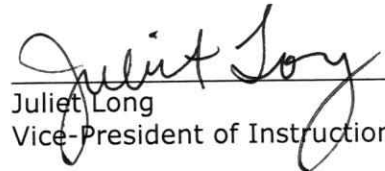
Rogue Community College



Danielle (Dani) Crouch
Director of Enrolment Services



Dr. David Krueger – Dean,
College of Technical Sciences



Juliet Long
Vice-President of Instruction



Alisha Schroeder – Registrar



Dr. R. Neil Moisey
Provost and Vice-Chancellor