



AA-1617-035

## ARTICULATION AGREEMENT

Offered collaboratively by

**MONTANA STATE UNIVERSITY-NORTHERN**

and

**Skagit Valley College**

**(Associate in Technical Arts – Diesel Power Technology)**

For

**BACHELOR OF SCIENCE DEGREE**

**IN DIESEL TECHNOLOGY**





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## **I. SCOPE OF THE PROGRAM**

Montana State University-Northern and Skagit Valley College, Washington, 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 parties commit to a review every other year after the 2018 review.

## **III. COURSE ARTICULATION**

Students completing the **Associate of Technical Arts – Diesel Power Technology** will be granted 49 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**

<b>Technical Courses to be completed at MSU Northern</b>		<b>Credits</b>
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	14
	Total technical requirements	38
	General Education	33 (minimum)
	Transferred Block (Technical courses)	49 (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, BIOC 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, NRSG 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><b>Total General Education Credits 33 credits</b> (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](https://atlas.montana.edu:9002/pls/hvagent/hwzkxfer.p_selstate)



**EXHIBIT C (Overview of Equivalencies)**

<b>Program Technical Requirements</b>			
ATDI 134 Auto/Diesel Electrical/Electronic Systems I	6	DSL 101 Diesel Electrical Theory DSL 201 Applied Electrical	4 2
ATDI 257 Automatics	4	DSL 104 Diesel Drivetrains III	4
ATDI 264 Auto/Diesel Electrical/Electronic Syst. II	6	DSL 201 Applied Electrical DSL 204 Diesel Engines III	2 3
ATDI 265 Heating & Air Conditioning	4	To be taken at MSU Northern	
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	DSL 202 Diesel Engines I	3
DST 114 Intro to Diesel Engines Lab	3	DSL 202 Diesel Engines I	3.26
DST 115 Intro to Diesel Fuel Systems	5	DSL 203 Diesel Engines II	5
DST 204 Intro to Hydraulics & Pneumatics	2	DSL 103 Diesel Drivetrains II	2
DST 214 Intro to Hydraulics & Pneumatics Lab	2	DSL 103 Diesel Drivetrains II	2
DST 216 Heavy Duty Power Trains	4	DSL 103 Diesel Drivetrains II	4.71
DST 219 Heavy Duty Chassis	4	DSL 102 Diesel Drivetrains I	5.36
DST 264 Diesel Engine Diagnosis & Repair	3	DSL 203 Diesel Engines II	3.71
DST 274 Diag. Diesel Engine Repair Lab	3	DSL 204 Diesel Engines III	3
DST 273 Diesel Shop Practices	4	DSL 204 Diesel Engines III	2.71
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	10	To be taken at MSU Northern	
WLDG 110 Welding Theory I	2	Waived	
WLDG 111 Welding Theory I Practical	2	Waived	
MCH 200 Machining Processes	3	Waived	
WLDG 260 Repair & Maintenance Welding	3	Waived	
<b>Program Gen. Ed. Requirements</b> See Exhibit B for eligible courses			
CAT I Communications (6 credits)		Please see the Transfer Guide online for courses to fulfill this area	6
Cat II - Mathematics (3 credits)		Please see the Transfer Guide online for courses to fulfill this area	3
Cat III - Natural Sciences (6 credits)		Please see the Transfer Guide online for courses to fulfill this area	6
Cat IV - Social Sciences/History (6 credits)		Please see the Transfer Guide online for courses to fulfill this area	6
Cat V - Cultural Diversity (3 credits)		Please see the Transfer Guide online for courses to fulfill this area	3
Cat VI - Humanities Appreciation/Creative 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 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](mailto: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. 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](mailto:Tracey.jette@msun.edu) 1.800.662.6132 ext. 3566

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](mailto:strizich@msun.edu)

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Professor, Diesel Technology 1.800.662.6132 ext.4187  
[clouseg@msun.edu](mailto:clouseg@msun.edu)

### Skagit Valley College:

Skagit Valley College:  
2405 E. College Way  
Mt. Vernon, WA 98273  
Main: 1 (360) 416-7600  
Admissions: [Admissions@skagit.edu](mailto:Admissions@skagit.edu)  
Toll Free: 1-877-385-5360

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**ARTICULATION AGREEMENT APPROVAL SIGNATURE SHEET**

Participating institution: **Skagit Valley College**  
Articulated Program: **Associate in Technical Arts – Diesel Power Technology**  
Degree/Credential: **BACHELOR OF SCIENCE Diesel Technology**  
Effective Dates: Start: Fall Semester 2016 Review: Fall Semester 2018  
 New Agreement  Review


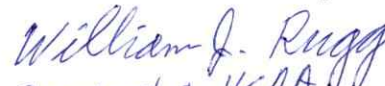
The undersigned have read and concur with the applicable policies and procedures for the attached articulation agreement.

**MSU Northern**

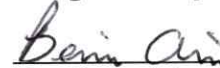
  
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Diesel Technology

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

  
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Dr. Larry Strizich – Dean,  
College of Technical Sciences

  
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Alisha Schroeder - Registrar  
  
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William J. Rugg  
Provost & VCAA

**Skagit Valley College**

  
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Bernie Andringa, Department Chair  
Diesel Power Technology

  
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Darren Greeno,  
Dean of Workforce Education

  
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Tom Keegan,  
President