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**

<table>
<thead>
<tr>
<th>Technical Courses to be completed at MSU Northern</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATDI 384  AT/DI Electrical/Electronic Systems III</td>
<td>4</td>
</tr>
<tr>
<td>ATDI 400  Shop Procedures</td>
<td>3</td>
</tr>
<tr>
<td>DST 314   Hydraulics &amp; Pneumatics II</td>
<td>4</td>
</tr>
<tr>
<td>DST 420   Diesel Shop Management</td>
<td>2</td>
</tr>
<tr>
<td>DST 434   Current Model Year Technology (Capstone Course)</td>
<td>3</td>
</tr>
<tr>
<td>DST 440   Advanced Fuel Systems</td>
<td>4</td>
</tr>
<tr>
<td>DST 450   Diagnosis of Power Shifts/HD Automatcs</td>
<td>4</td>
</tr>
<tr>
<td>DST 498   Cooperative Education</td>
<td>14</td>
</tr>
</tbody>
</table>

| 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

<table>
<thead>
<tr>
<th>Category I (CAT I)</th>
<th>WRIT 101 AND COMX 111 OR COMX 115 OR WRIT 350</th>
</tr>
</thead>
<tbody>
<tr>
<td>Communication (6 credits)</td>
<td>M 121, M 145, M 162, M 171, STAT 216, STAT 217</td>
</tr>
<tr>
<td>Category II (CAT II)</td>
<td>BIOL 101, BIOB 160, BIOE 110, BIOH 104, BIOH 201, BIOH 211, BIOM 250, BIVO 220, CHMY 121, CHMY 123, CHMY 141, ENSC 245, GEO 101, GEO 314, GPHY 111, PHSX 105, PHSX 205, TSCI 304</td>
</tr>
<tr>
<td>Mathematics</td>
<td></td>
</tr>
<tr>
<td>Category III (CAT III)</td>
<td></td>
</tr>
<tr>
<td>Natural Sciences (6 credits)</td>
<td></td>
</tr>
<tr>
<td>Students must take one science course that includes a lab. See course description to verify this requirement.</td>
<td></td>
</tr>
<tr>
<td>Category IV (CAT IV)</td>
<td>CMSV 101, ECNS 201, ECNS 202, HSTA 101, HSTA 102, HSTR 101, HSTR 102, HSTA 255, PSCI 210, PSYX 100, SOCI 101, SOSC 201</td>
</tr>
<tr>
<td>Social Sciences/History (6 credits)</td>
<td></td>
</tr>
<tr>
<td>Category V (CAT V)</td>
<td>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</td>
</tr>
<tr>
<td>Cultural Diversity (3 credits)</td>
<td></td>
</tr>
<tr>
<td>Category VI (CAT VI)</td>
<td>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 382, MUSI 201, PHIL 200, PHIL 210 ARTZ 105, ARTZ 106, ARTZ 231, ARTZ 284, ARTZ 363, CWR 340, MUSI 103, THTR 105</td>
</tr>
<tr>
<td>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.</td>
<td></td>
</tr>
<tr>
<td>Category VII (CAT VII)</td>
<td>AOT 301, CAPP 120, CAPP 151, EDU 370, IT 100</td>
</tr>
<tr>
<td>Technology (3 credits)</td>
<td></td>
</tr>
<tr>
<td>Total General Education Credits 33 credits</td>
<td>(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)</td>
</tr>
</tbody>
</table>

- 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/hwzkkxfer_p_selstate](https://atlas.montana.edu:9002/pls/hvagent/hwzkkxfer_p_selstate)
## Program Technical Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Equivalent Course</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ATDI 134 Auto/Diesel Electrical/Electronic Systems I</td>
<td>6</td>
<td>DSL 101 Diesel Electrical Theory</td>
<td>4</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DSL 201 Applied Electrical</td>
<td>2</td>
</tr>
<tr>
<td>ATDI 257 Automatics</td>
<td>4</td>
<td>DSL 104 Diesel Drivetrains III</td>
<td>4</td>
</tr>
<tr>
<td>ATDI 264 Auto/Diesel Electrical/Electronic Syst. II</td>
<td>6</td>
<td>DSL 201 Applied Electrical</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td></td>
<td>DSL 204 Diesel Engines III</td>
<td>3</td>
</tr>
<tr>
<td>ATDI 265 Heating &amp; Air Conditioning</td>
<td>4</td>
<td>To be taken at MSU Northern</td>
<td></td>
</tr>
<tr>
<td>ATDI 384 Auto/Diesel Electrical/Electronic Syst. III</td>
<td>4</td>
<td>To be taken at MSU Northern</td>
<td></td>
</tr>
<tr>
<td>ATDI 400 Shop Procedures</td>
<td>3</td>
<td>To be taken at MSU Northern</td>
<td></td>
</tr>
<tr>
<td>DST 104 Intro to Diesel Engines</td>
<td>3</td>
<td>DSL 202 Diesel Engines I</td>
<td>3</td>
</tr>
<tr>
<td>DST 114 Intro to Diesel Engines Lab</td>
<td>3</td>
<td>DSL 202 Diesel Engines I</td>
<td>2.36</td>
</tr>
<tr>
<td>DST 115 Intro to Diesel Fuel Systems</td>
<td>5</td>
<td>DSL 203 Diesel Engines II</td>
<td>5</td>
</tr>
<tr>
<td>DST 204 Intro to Hydraulics &amp; Pneumatics</td>
<td>2</td>
<td>DSL 103 Diesel Drivetrains II</td>
<td>2</td>
</tr>
<tr>
<td>DST 214 Intro to Hydraulics &amp; Pneumatics Lab</td>
<td>2</td>
<td>DSL 103 Diesel Drivetrains II</td>
<td>2</td>
</tr>
<tr>
<td>DST 216 Heavy Duty Power Trains</td>
<td>4</td>
<td>DSL 103 Diesel Drivetrains II</td>
<td>4.71</td>
</tr>
<tr>
<td>DST 219 Heavy Duty Chassis</td>
<td>4</td>
<td>DSL 102 Diesel Drivetrains I</td>
<td>5.36</td>
</tr>
<tr>
<td>DST 264 Diesel Engine Diagnosis &amp; Repair</td>
<td>3</td>
<td>DSL 203 Diesel Engines II</td>
<td>3.71</td>
</tr>
<tr>
<td>DST 274 Diag. Diesel Engine Repair Lab</td>
<td>3</td>
<td>DSL 204 Diesel Engines III</td>
<td>3</td>
</tr>
<tr>
<td>DST 273 Diesel Shop Practices</td>
<td>4</td>
<td>DSL 204 Diesel Engines III</td>
<td>2.71</td>
</tr>
<tr>
<td>DST 314 Hydraulics &amp; Pneumatics II</td>
<td>4</td>
<td>To be taken at MSU Northern</td>
<td></td>
</tr>
<tr>
<td>DST 420 Diesel Shop Management</td>
<td>2</td>
<td>To be taken at MSU Northern</td>
<td></td>
</tr>
<tr>
<td>DST 440 Advanced Fuel Systems</td>
<td>4</td>
<td>To be taken at MSU Northern</td>
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<td>DST 434 Current Model Year Technology</td>
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<td>DST 450 Diagnosis of Power Shifts &amp; HD Auto</td>
<td>4</td>
<td>To be taken at MSU Northern</td>
<td></td>
</tr>
<tr>
<td>DST 498 Cooperative Education</td>
<td>10</td>
<td>To be taken at MSU Northern</td>
<td></td>
</tr>
<tr>
<td>WLDG 110 Welding Theory I</td>
<td>2</td>
<td>Waived</td>
<td></td>
</tr>
<tr>
<td>WLDG 111 Welding Theory I Practical</td>
<td>2</td>
<td>Waived</td>
<td></td>
</tr>
<tr>
<td>MCH 200 Machining Processes</td>
<td>3</td>
<td>Waived</td>
<td></td>
</tr>
<tr>
<td>WLDG 260 Repair &amp; Maintenance Welding</td>
<td>3</td>
<td>Waived</td>
<td></td>
</tr>
</tbody>
</table>

## Program Gen. Ed. Requirements

Please see Exhibit B for eligible courses.

- **Cat I - Communications (6 credits)**
  - Please see the Transfer Guide online for courses to fulfill this area
  - 6 credits

- **Cat II - Mathematics (3 credits)**
  - Please see the Transfer Guide online for courses to fulfill this area
  - 3 credits

- **Cat III - Natural Sciences (6 credits)**
  - Please see the Transfer Guide online for courses to fulfill this area
  - 6 credits

- **Cat IV - Social Sciences/History (6 credits)**
  - Please see the Transfer Guide online for courses to fulfill this area
  - 6 credits

- **Cat V - Cultural Diversity (3 credits)**
  - Please see the Transfer Guide online for courses to fulfill this area
  - 3 credits

- **Cat VI - Humanities Appreciation/Creative Arts (6 credits)**
  - Please see the Transfer Guide online for courses to fulfill this area
  - 6 credits

- **Cat VII - Technology (3 credits)**
  - Please see the Transfer Guide online for courses to fulfill this area
  - 3 credits
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. 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
1.800.662.6132 ext. 3566

College of Technical Sciences:
Dr. Larry Strizich
Dean, College of Technical Sciences
strizich@msun.edu
1.800.662.6132 ext. 3724

Steven Don
Chair, College of Technical Sciences
Associate Professor, Diesel Technology
sdon@msun.edu
1.800.662.6132 ext. 4185

Greg Clouse
Professor, Diesel Technology
clouseg@msun.edu
1.800.662.6132 ext. 4187

Skagit Valley College:

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

Bernie Andringa
Department Chair,
Diesel Power Technology
Bernie.andringa@skagit.edu
(360) 416-7731

Dr. Thomas A. Keegan
President
Thomas.Keegan@skagit.edu
(360) 416-7997
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

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

Skagit Valley College

Bernie Andringa, Department Chair
Diesel Power Technology

Darren Greeno,
Dean of Workforce Education

Tom Keegan,
President

Skagit Valley College - Diesel 06/21/2016