



## ARTICULATION AGREEMENT

Offered collaboratively by  
**MONTANA STATE UNIVERSITY – NORTHERN**

and

**HIGHLANDS COLLEGE OF MONTANA TECH**  
**(1-year Certificate – Automotive Service Technology)**

for

**ASSOCIATE OF APPLIED SCIENCE DEGREE**  
**In AUTOMOTIVE TECHNOLOGY**

### I. SCOPE OF THE PROGRAM

Montana State University – Northern (MSUN) and Highlands College of Montana Tech hereby establish an articulation agreement leading to an Associate of Applied Science Degree in Automotive Technology. The degree will be conferred by MSUN.

### II. LENGTH OF AGREEMENT

This renewed agreement will begin Fall Semester 2015, to continue for a minimum of four (4) years. The parties to this agreement commit to offering this program until it is dissolved by mutual agreement. The parties commit to a review every other year. The next review will be fall semester 2017.

### III. COURSE ARTICULATION

Students completing the **1-year Certificate – Automotive Service Technology** at Highlands College of Montana Tech will be granted 25 semester credits toward an Associate of Applied Science degree in Automotive Technology at MSUN. Students must earn a minimum of a C- or better in each course as shown in **Exhibit A** and the meeting of all graduation requirements including the general education requirements as shown in **Exhibit B**, a Associate of Applied Science degree in Automotive Technology will be awarded **Exhibit C** provides an overview of degree requirements.



#### IV. TUITION AND FEES

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

Application and admission information:

Montana State University – Northern  
Admissions Office  
P. O. Box 7751  
Havre, MT 59501  
(800) 662-6132 ext. 3704

#### 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 (2) vaccinations against measles and one (1) 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.); and
- 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.



## VII. CONTACT INFORMATION

1) Montana State University – Northern:

Advising Center: 1-800-662-6132 ext. 3760  
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 Science: 1-800-662-6132 ext. 3740**

Kevin Ruby ~ ATDI instructor: 1-800-662-6132 ext. 4179, [kevin.ruby@msun.edu](mailto:kevin.ruby@msun.edu)

Joshua Meyer ~ ATDI Instructor: 1-800-662-6132 ext. 4162,  
[joshua.meyer3@msun.edu](mailto:joshua.meyer3@msun.edu)

Steven Don ~ Chair, COTS: 1-800-662-6132 ext. 4185, [sdon@msun.edu](mailto:sdon@msun.edu)

Dr. Larry Strivich ~ Dean, COTS: 1-800-662-6132 ext. 4157, [strivich@msun.edu](mailto:strivich@msun.edu)

2) Highlands College of Montana Tech:

1300 W. Park Street  
Butte, MT 59701  
Main: 1-800-445-8324

Jerry Stewart ~ Automotive Instructor: (406)-496-3752 [jstewart@mtech.edu](mailto:jstewart@mtech.edu)

Leslie Dickerson ~ Director of Enrollment Service (406)-496-4879

[ldickerson@mtech.edu](mailto:ldickerson@mtech.edu)

John Garic ~ Dean of Highlands (406)-496-3714 [jgaric@mtech.edu](mailto:jgaric@mtech.edu)



**EXHIBIT A (PROGRAM COURSES)**

| <b>Program Courses to be completed at Northern</b> |  | <b>Credits</b> |
|--|--|----------------|
| AST 106  | Auto Manual Drive Train/Axles              | 5              |
| AST 160  | Automotive Engine Repair                   | 5              |
| ATDI 257   | Automatics                                 | 4              |
| ATDI 262   | Automatics R&R                             | 1              |
| ATDI 265   | Heating & Air Conditioning                 | 4              |
| AST 266  | Computerized Engine Controls               | 6              |
| AST 264  | Electrical/Electronic Systems 2            | 6              |
| AST 298  | Automotive Internship                      | 3              |
|  | Electives to be completed at MSUN          | 3              |
|  | Technical requirements to be taken at MSUN | 37             |
|  | General Education to be taken at MSUN      | 9              |
|  | Transferred Technical Courses              | 25             |
|  | Transferred General Education              | 0              |



**EXHIBIT B (\*Gen. Ed. Requirements)**

|  |   |
|--|---|
| <b>Category I</b>  | <b>Communication (6 credits)</b><br>WRIT 101 <b>AND</b> COMX 111 <b>OR</b> COMX 115 or WRIT 350 |
| <b>Category II</b>   | <b>Mathematics (3 credits)</b><br>M 112 or higher   |
| <b>Total General Education Credits - 9 credits if taken at MSU-Northern.</b> |   |

- Refer to the current MSUN transfer equivalency guide:
  - [https://atlas.montana.edu:9002/pls/hvagent/hwzkxfer.p\\_selstate](https://atlas.montana.edu:9002/pls/hvagent/hwzkxfer.p_selstate).
- Or contact the MSUN Advising Center for general education equivalencies.



**EXHIBIT C: (Equivalence of Transfer Credits)**

| <b>Required Program Courses</b>               | <b>Credits</b> | <b>MTECH Equivalent Courses</b>                               | <b>Credits</b> |
|---|----------------|---|----------------|
| AST 106 Auto Manual Drive Train/Axles         | 5              |   |                |
| AST 160 Automotive Engine Repair              | 5              |   |                |
| AST 164 Auto Diagnosis Tune Up                | 6              | AST 166/167 Engine Performance & Diagnostics/Lab              | 6              |
| AST 114 Automotive Brakes                     | 5              | AST 118/119 Brakes and Chassis/Lab                            | 6              |
| ATDI 134 Electrical/Electronic Systems 1      | 6              | AST 136/137 Automotive Electrical/Electronic System/lab       | 7              |
| AST 220 Auto Steering & Suspension            | 5              | AST 222/223 Automotive Steering, Suspension and Alignment/lab | 6              |
| ATDI 257 Automatics                           | 4              |   |                |
| ATDI 262 Automatics R&R                       | 1              |   |                |
| ATDI 265 Heating & Air Conditioning           | 4              |   |                |
| AST 266 Computerized Engine Controls          | 6              |   |                |
| AST 264 Electrical/Electronic Systems 2       | 6              |   |                |
| AST 298 Automotive Internship                 | 3              |   |                |
| WRIT 108 Elem. Tech. Writing (CAT I)          | 3              |   |                |
| Related Instruction (CAT I)                   | 3              |   |                |
| Related Instruction (CAT II)                  | 3              |   |                |
| Advisor Approved Electives (3 credits)        | 3              |   |                |
| <b>Program General Education Requirements</b> |                |   |                |
| <b>See Exhibit B for Eligible Courses</b>     |                |   |                |
| Cat I – Communication (6 credits)             | 6              |   |                |
| Cat II – Mathematics (3 credits)              | 3              |   |                |



### Articulation Agreement Approval Cover Sheet

Participating Institution(s) Highlands College of Montana Tech (1-year Certificate – Automotive Service Technology)

Articulation Program Automotive Technology

Degree/Credential Associate of Applied Science

Effective Dates Start: Fall Semester 2015 Revisal Spring Semester 2017

X New Agreement Revised

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

MSUN

Handwritten signature of Kevin Ruby in blue ink, positioned above a horizontal line.

Kevin Ruby, Program Instructor

Handwritten signature of Larry Strizich in blue ink, positioned above a horizontal line.

Larry Strizich, Dean COTS

Handwritten signature of Steven Don in blue ink, positioned above a horizontal line.

Steven Don, Chair COTS

Handwritten signature of Alisha Schroeder in blue ink, positioned above a horizontal line.

Alisha Schroeder, Registrar

Handwritten signature of William J. Rugg in blue ink, positioned above the text "Provost".

Provost

Highlands College

Handwritten signature of Jerry Stewart in blue ink, positioned above a horizontal line.

Jerry Stewart, Program Instructor

Handwritten signature of Leslie Dickerson in blue ink, positioned above a horizontal line.

Leslie Dickerson, Director of Enrollment Services

Handwritten signature of John Garic in blue ink, positioned above a horizontal line.

John Garic, Dean of Highlands

Some of our class numbers changed

**AUTOMOTIVE TECHNOLOGY PROGRAM  
ASSOCIATE OF APPLIED SCIENCE DEGREE  
SCHEDULE**

| Course/CRN                         | Course Title                              | Credits   | Contact Hours<br>Instructor | Days  | Time         |
|------------------------------------|---|-----------|-----------------------------|-------|--------------|
| <b>FALL SEMESTER FIRST YEAR</b>    |   |           |                             |       |              |
| AST 118 - 75179                    | Brakes & Chassis (Lec)                    | 3         | Lonnie Horn 45              | M - R | 8:00 - 8:55  |
| AST 119 - 75180                    | Brakes & Chassis (Lab)                    | 4         | Lonnie Horn 185             | M - R | 9:00 - 2:55  |
| AST 160 - 75181                    | Engine Repair Gas (Lec)                   | 3         | Lonnie Horn 45              | M - R | 8:00 - 8:55  |
| AST 161 - 75182                    | Engine Repair Gas (Lab)                   | 4         | Don Stodden 185             | M - R | 9:00 - 2:55  |
| AST 102 - 73170                    | Intro to Automotive                       | <u>3</u>  | Don Stodden 45              | M - R | 3:00 - 3:55  |
|                                    | Total Credits - Fall                      | 17        |                             |       |              |
| <b>SPRING SEMESTER FIRST YEAR</b>  |   |           |                             |       |              |
| AST 136 - 35788                    | Electrical Systems (Lec)                  | 3         | Lonnie Horn 45              | M - R | 9:00 - 9:55  |
| AST 137 - 35789                    | Electrical Systems (Lab)                  | 3         | Lonnie Horn 185             | M - R | 10:00 - 2:55 |
| AST 166 - 33345                    | Engine Performance (Lec)                  | 3         | Jerry Stewart 30            | M - R | 9:00 - 9:55  |
| AST 167 - 33346                    | Engine Performance (Lab)                  | 3         | Jerry Stewart 190           | M - R | 10:00 - 2:55 |
| MATH 111                           | Technical Math                            | 4         |                             |       |              |
| AST 126 - 35644                    | Parts Sourcing                            | <u>3</u>  | Don Stodden 30              | T & R | 8:00 - 8:55  |
|                                    | Total Credits - Spring                    | 19        |                             |       |              |
| <b>FALL SEMESTER SECOND YEAR</b>   |   |           |                             |       |              |
| DST 260 - 75183                    | Diesel Engine<br>Diagnostic/Troubleshoot  | 3         | Jerry Stewart 45            | M - R | 8:00 - 8:50  |
| DST 265 - 75184                    | Applied Lab Experience                    | 4         | Jerry Stewart 185           | M - R | 9:00 - 2:55  |
| AST 270 - 75185                    | Auto Transmissions (Lec)                  | 3         | Jerry Stewart 45            | M - R | 8:00 - 8:50  |
| AST 271 - 75186                    | Auto Transmissions (Lab)                  | 4         | Jerry Stewart 180           | M - R | 9:00 - 2:55  |
| COMM 110                           | Interpersonal<br>Communications           | <u>3</u>  |                             |       |              |
|                                    | Total Credits - Fall                      | 17        |                             |       |              |
| <b>SPRING SEMESTER SECOND YEAR</b> |   |           |                             |       |              |
| AST 230 - 35790                    | Elec Sys II/Hybrid (Lec)                  | 3         | Jerry Stewart 45            | M - R | 9:00 - 9:55  |
| AST 231 - 35791                    | Elec Sys II/Hybrid (Lab)                  | 4         | Jerry Stewart 185           | M - R | 10:00 - 2:55 |
| AST 172 - 35793                    | Heating & Air<br>Conditioning (Lec & Lab) | 4         | Jerry Stewart 120           | M - R | 9:00 - 2:55  |
| WRIT 108                           | Elementary Technical<br>Writing           | 3         |                             |       |              |
| CAPP 131                           | Basic Microsoft Office                    | 3         |                             |       |              |
|                                    | Coop<br>Education/Internship              | <u>1+</u> | Don Stodden                 |       |              |
|                                    | Total Credits - Spring                    | 17        |                             |       |              |
|                                    | <b>TOTAL PROGRAM CREDITS</b>              | <b>70</b> |                             |       |              |