

**MEMORANDUM OF UNDERSTANDING FOR
BACHELOR OF SCIENCE IN MECHANICAL ENGINEERING
BETWEEN
WESTERN WYOMING COMMUNITY COLLEGE
AND
THE UNIVERSITY OF WYOMING**

- 1. Parties.** This Memorandum of Understanding (hereinafter “MOU”) is made and entered into by and between the University of Wyoming (hereinafter “University”) and Western Wyoming Community College (hereinafter “Institution”).
- 2. Purpose.** This MOU provides students who have earned the associates degree in Engineering, Mechanical Specialization, as described below, from the Institution, the opportunity to complete a bachelor’s degree in Mechanical Engineering at the University. By this MOU Institution and University express a shared commitment to increasing opportunities for student access to and success in higher education.
- 3. Term.** This MOU shall commence upon the start of the 2018-19 Academic Year and shall remain in full force and effect for five years, subject to an annual review by both parties. If during the annual review, both parties agree that this MOU needs to be amended, amendments will be made to the MOU in accordance with Section (9)(A) below.
- 4. Termination.** Either party can terminate this MOU without cause, upon one (1) year prior written notice. Both parties agree that, should either party desire to terminate this MOU, students currently enrolled prior to the termination date and who remain continuously enrolled will be allowed to complete the program as articulated.
- 5. Responsibilities of the University of Wyoming:**
 - A.** Any Institution student who has earned an Associate of Science degree with coursework that adheres to the guidelines within this MOU is guaranteed that the University will:
 - i. Apply the relevant general education credits;
 - ii. Accept designated major related credits;
 - iii. Give the student University class standing consistent with the articulated curriculum herein and in a manner consistent with the University students already enrolled in the Bachelor of Science degree.
 - iv. Apply the same academic progress and graduation standards to Institution transfer students as are applicable to University students already in enrolled in the College in the same catalog year.
 - v. Provide transfer students from the Institution with access to financial aid, scholarships, and student services on a similar basis as other similarly situated University students.

B. Additional Program Specific responsibilities are outlined in Exhibit A (2 plus 2 degree plan), which is hereby incorporated into this MOU.

6. Responsibilities of Western Wyoming Community College:

A. Institution, upon request of students, will provide verification of completed courses to the University through its Office of Registration and Records.

B. Additional Program Specific responsibilities are outlined in Exhibit A (2 plus 2 degree plan), which is hereby incorporated into this MOU.

7. Conditions of Transfer. Institution students maintaining continuous enrollment under this MOU and following the curriculum plan in place under the Institution's catalog of record for the year student started at the Institution will matriculate to the University academic program in place for that same catalog year. A break in enrollment that is not a summer semester may cause the student to be readmitted under a different catalog year.

8. Program Plan. While a course-by-course equivalence was used in the development of this plan, this MOU presumes that the general education core requirements at Institution meet general education requirements at the University under the statewide block transfer articulation agreement, which is hereby incorporated herein. Students falling under this MOU will be responsible for successfully completing the additional program core requirements as noted in Exhibit A (2 plus 2 degree plan), which is hereby incorporated into this MOU.

9. General Provisions

A. Amendments. Either party may request changes in this MOU. Any changes, modifications, revisions or amendments to this MOU which are mutually agreed upon shall be incorporated by written instrument, executed and signed by all parties to this MOU. Any amendments made to this MOU that impact students, will only affect students who enroll in the degree program from the date of the amendment forward.

B. Applicable Laws/Equal Employment Opportunity. Both parties shall fully adhere to all applicable local, state and federal law, including equal employment opportunity and including but not limited to compliance with Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Age Discrimination Act of 1975, and the American with Disabilities Act of 1990. The University is committed to equal opportunity for all persons in all facets of the University's operations and is an Equal Opportunity/Affirmative Action employer. The University will provide all applicants for admissions, employment and all University employees with equal opportunity without regard to race, gender, religion, color, national origin, disability, age, protected veteran status, sexual orientation, genetic information, gender identity, creed, ancestry, political belief, any other applicable protected category, or participation in any protected activity. The University ensures non-discriminatory

practices in all matters relating to its education programs and activities and extends the same non-discriminatory practices to recruiting, hiring, training, compensation, benefits, promotions, demotions, transfers, and all other terms and conditions of employment.

C. Entirety of MOU. This MOU represents the entire and integrated MOU between the parties and supersedes all prior negotiations, representations and MOUs, whether written or oral.

D. Governmental Claims. Any actions or claims against either party under this MOU must be in accordance with and are controlled by the Wyoming Governmental Claims Act, W.S. 1-39-101 et seq. (1977) as amended.

E. Interpretation. The construction, interpretation and enforcement of this MOU shall be governed by the laws of the State of Wyoming.

F. Notices. All notices and other correspondence related to this MOU shall be in writing and shall be effective when delivered by: (i) certified mail with return receipt, (ii) hand delivery with signature or delivery receipt provided by a third party courier service (such as FedEx, UPS, etc.), (iii) fax transmission if verification of receipt is obtained, or (iv) email with return receipt, to the designated representative of the party as indicated below. A party may change its designated representative for notice purposes at any time by written notice to the other party. The initial representatives of the parties are as follows:

To University:
1000 E. University Avenue
Laramie, WY 82071

To Institution:
2500 College Drive
Rock Springs, WY 82901

G. Prior Approval. This MOU shall not be binding upon either party unless this MOU has been reduced to writing before performance begins as described under the terms of this MOU, and unless this MOU is approved as to form by the Office of General Counsel.

H. Severability. Should any portion of this MOU be judicially determined to be illegal or unenforceable, the remainder of the MOU shall continue in full force and effect.

I. Sovereign Immunity. Neither party waives its sovereign or governmental immunity by entering into this MOU, and fully retains all immunities and defenses provided by law with respect to any action based on or occurring as a result of this MOU.

J. Third Party Beneficiary Rights. The parties do not intend to create in any other individual or entity the status of third party beneficiary, and this MOU shall not be construed so as to create such status. The rights, duties and obligations contained in

this MOU shall operate only between the parties to this MOU, and shall inure solely to the benefit of the parties to this MOU. The provisions of this MOU are intended only to assist the parties in determining and performing their obligations under this MOU. The parties to this MOU intend and expressly agree that only parties signatory to this MOU shall have any legal or equitable right to seek to enforce this MOU, to seek any remedy arising out of a party's performance or failure to perform any term or condition of this MOU, or to bring an action for the breach of this MOU.

K. Legal Authority. Each party to this MOU warrants that it possesses the legal authority to enter into this MOU and that it has taken all actions required by its regulations, procedures, bylaws, and/or applicable law to exercise that authority, and to lawfully authorize its undersigned signatory to execute this MOU and to bind it to its terms. The person(s) executing this MOU on behalf of a party warrant(s) that such person(s) have full authorization to execute this MOU.

10. Signatures. In witness whereof, the parties to this MOU through their duly authorized representatives have executed this MOU on the days and dates set out below, and certify that they have read, understood, and agreed to the terms and conditions of this MOU as set forth herein.

RECOMMENDED BY:

Western Wyoming Community College



Department Head, WWCC

Date: 5/17/18

University of Wyoming



Department Head, Mechanical Engineering,
UW

Date: May 17, 2018


Dean/Division Chair, WWCC

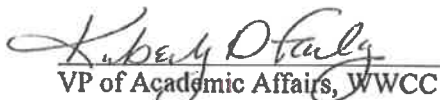
Date: 5-17-18


Dean, College of Engineering & Applied
Science, UW

Date:

APPROVED BY:

Western Wyoming Community College



VP of Academic Affairs, WWCC

Date: 5-17-18

University of Wyoming



VP of Academic Affairs, UW

Date:

Western Wyoming Community College-UW MOU MECHANICAL ENGINEERING

Engineering, AS Mechanical Specialization



Western Wyoming Community College

FRESHMAN YEAR ¹

Fall Semester			Hrs	Spring Semester			Hrs
PHYS	1310	College Physics	4	ES	1060	Intro to Engineering Computing *	3
MATH	2200	Calculus I *	4	CHEM	1020	General Chemistry I	4
ENGL	1010	English Composition	3	MATH	2205	Calculus II *	4
		US Government ²	3	PHYS	1320	College Physics II	4
HMDV	1005	First Year Success	1	ES	2110	Statics *	3
TOTAL			<u>15</u>	TOTAL			<u>18</u>

SOPHOMORE YEAR ¹

Fall Semester			Hrs	Spring Semester			Hrs
ES	2120	Dynamics *	3	ES	2310	Thermodynamics I *	3
ES	2210	Electric Circuit Analysis *	3	ES	2330	Fluid Dynamics *	3
ENGL	2005	Technical Writing	3	ES	2410	Mechanics of Materials *	3
COMM	2010	Public Speaking ³	3	MATH	2310	Applied Differential Equations	3
MATH	2210	Calculus III *	4	G&R	1050	Intro to Natural Resources ⁴	3
				HMDV	2411	Assessment Requirement	0
TOTAL			<u>16</u>	TOTAL			<u>15</u>
TOTAL WWCC AS DEGREE HOURS							<u>64</u>

Successful completion of the 2+2 plan requires that a student remain continuously enrolled and graduate with the associate's degree from his or her respective community college. • This is a guide for course work in the major; actual course sequence may vary by student. Please refer to the online student degree evaluation. • Not all courses are offered every semester and some electives may have prerequisites. Students should review the course descriptions in the catalogs of their respective institutions and consult with their academic advisor to plan accordingly. • Academic plans and course schedules may need to be altered if ACT or Math Placement scores require a student to take pre-college courses (e.g., MATH 0900, 0921, or 0925) before taking required math or English courses.

Western Wyoming Community College requirements:

In order to graduate, students must have a cumulative grade point average of 2.00 (a "C" average) or better in all hours attempted at Western Wyoming Community College. • At least 15 credit hours must be completed through WWCC. • Generally, no courses taken from WWCC for S/U grades may be used for graduation hours. • Students may not receive credit for courses which are prerequisite to course they have already completed. • A maximum of six (6) hours of studies or workshop courses may be applied toward the Associates Degree. • A maximum of four (4) hours of internship may be allowed for AA or AS degrees.

WWCC Program Notes:

¹ The following courses may be advisable to support student academic and career goals. They are not required, and are not replacements for the required WWCC coursework listed above. Consult with an academic advisor before taking.

- ES 1000 in order to explore career opportunities in engineering
- ES 1070 and ES 1080 in order to gain solid modeling/drafting experience
- CHEM 1030 and MATH 2250, as they can be counted towards courses in the UW Mechanical Engineering (ME) curriculum

² The US Government requirement can be fulfilled by taking HIST 1211, 1221, 1251, or POLS 1000.

³ COMM 1020 will also satisfy this requirement.

⁴ This requirement can also be fulfilled by taking ECON 1010, PSYC 1000, SOC 1000, or ANTH 1200.

* A minimum cumulative GPA of 3.0 is required in these 10 courses in order to enroll in UW ME courses. See page 2 for details.

Mechanical Engineering, BS



University of Wyoming

JUNIOR YEAR

Fall Semester			Hrs	Spring Semester			Hrs
ME	3005	Engineering Experimentation	3	ME	3160	Fluids Laboratory	3
ME	3060	Numerical Methods	3	ME	3170	Machine Design	3
ME	3010	Intermediate Mechanics of Materials	3	ME	3360	Transport Phenomena	3
ME	3020	System Dynamics	3	ME	3450	Properties of Materials	3
ME	3040	Thermodynamics II	3	ME	4020	Design of Mechanical & Electrical Systems	3
		Math/Science Elective **	3				
TOTAL			<u>18</u>	TOTAL			<u>15</u>

SENIOR YEAR

Fall Semester			Hrs	Spring Semester			Hrs
ME	4060	Systems Design I	C3 3	ME	4070	Systems Design II	3
ME	4150	Mechanical Behavior of Materials	3	3000+	ME Electives ***		6
	3000+	ME Electives ***	6		Business Elective ****		3
		CHEM 1030, PHYS 2310, or PHYS 2320	4		Technical Elective *****		3
TOTAL			<u>16</u>	TOTAL			<u>15</u>
TOTAL UW HOURS							<u>64</u>
TOTAL UW BS DEGREE HOURS							<u>128</u>

University of Wyoming requirements:

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 48 hours of upper division (3000-level or above) coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U. • The USP Communication 3 (C3) requirement must be completed with a grade of C or better.

UW College of Engineering and Applied Science requirements:

Students must have a minimum cumulative GPA of 2.0 in all engineering courses for graduation. • Students must also achieve a grade of C or better in MATH 2200, MATH 2205, MATH 2210, ES 2110, and ES 2120.

UW Mechanical Engineering Program Notes:

Degree candidates must meet academic requirements of the college and have a minimum grade point average of 2.00 (C) in all mechanical engineering courses completed at UW. • A grade of C- or better must be earned in MATH 2310, ES 1060, ES 2210, ES 2310, ES 2410, and ES 2330.

* The Mechanical Engineering Success Curriculum must be successfully completed prior to enrolling in any upper division (3000-level or above) courses taught by the Mechanical Engineering Department. A student must earn a minimum 3.00 GPA in these 10 courses. AP courses are excluded from the GPA calculation, but grades transferred from other institutions will be used in evaluating the success curriculum GPA.

** The math/science elective must be chosen from a department approved list. Please consult with an academic advisor.

*** Mechanical Engineering (ME) Electives. Choose from any upper division mechanical engineering course or EE 4620 (Automatic Control Systems).

**** The business elective must be chosen from a department approved list. Please consult with an academic advisor.

***** The technical elective may be selected from any engineering course or approved math/science or business course. Please consult with an academic advisor.