



Associate to Bachelors (A2B) Articulation Agreement

Prescribed Curriculum: Casper College

Associate of Science – Engineering (Civil)

General Education Courses			27 CREDIT HOURS
	Credit Hours	Community College Course No.	Course Title or Category
Reasoning & Inquiry	4	CHEM 1020	General Chemistry I
Math Computation	4	MATH 2200	Calculus I
Written Comm	3	ENGL 1010	English Composition I
Oral Communication	3	COMM 2010	Public Speaking
Humanities	3	Select 1 course from	Humanities General Education (HU 0000) List
Social Science	3	Select 1 course from	Social Science General Education (SSC 0000) List
Fine Arts	3	Select 1 course from	Fine Arts General Education (FA 0000) List
US-WY Constitution	3	Select 1 course from	US and Wyoming Constitutions (CNST 0000) List
Health Wellness	1	Select 1 course from*	Health and Wellness General Education (HW 0000) List

Required Courses			17 CREDIT HOURS
	Credit Hours	Course No.	Course Title
Mathematics & Science	4	MATH 2205	Calculus II
	4	PHYS 1310*	College Physics I
Engineering	3	ES 1101	Introduction to Engineering Study
	3	ES 1060	Introduction to Engineering Problem Solving
	3	ES 2110	Statics

Program Elective Courses			23 CREDIT HOURS
	Credit Hours	Course No.	Course Title
Program Elective	4	ENTK 1500	Engineering Graphics
	3	MATH 2310	Applied Differential Equations
	3	ES 2330	Fluid Dynamics
	4	MATH 2210	Calculus III
	3	ES 2410	Mechanics of Materials
	3	ES 2120	Dynamics
	3	ES 2310	Thermodynamics

Associate of Science – Engineering (Civil) Total:

67 CREDIT HOURS

*(65 Credits Apply)

Post-Associate Degree Prescribed Curriculum: South Dakota Mines

Bachelor of Science – Civil Engineering

General Education Courses			3 CREDIT HOURS
	Credit Hours	Community College Course No.	Course Title or Category
Written Communication	3	ENGL 289	Explorations in STEM Communications

Major Required Courses			42 CREDIT HOURS
	Credit Hours	Course No.	Course Title
Civil Engineering	3	CEE 274	Construction Engineering and Management
	3	CEE 326	Environmental Engineering and Science I
	3	CEE 284	Applied Numerical Methods
	3	CEE 316/316L	Engineering and Construction Materials w/Lab
	3	CEE 336/336L	Hydraulic Systems Design w/Lab
	3	CEE 346/346L	Geotechnical Engineering w/Lab
	3	CEE 353	Structural Theory
	3	CEE 325	Introduction to Sustainable Design
	9	Select 3 courses from	CEE 327/327L, CEE 337, CEE 347/347L, or CEE 456
	3	CEE 468	Highway Engineering
	3	CEE 463	Concepts of Professional Practice
	3	CEE 489	Capstone Design Project

Other Required Courses			11 CREDIT HOURS
	Credit Hours	Course No.	Course Title
Mathematics and Science	3	CHEM 114	General Chemistry II
	3	Select 1 course from	CSC 170/170L, MATH 443, GEOE 221/221L
	3	MATH 381	Introduction to Probability and Statistics
Economics	2	IENG 301	Basic Engineering Economics

Elective Courses			9 CREDIT HOURS
	Credit Hours	Course No.	Course Title
Dept Approved	9	Select from list	Department Approved Electives

Post-Associate Degree Total: 65 CREDIT HOURS

Bachelor of Science – Civil Engineering Total: 130 CREDIT HOURS

A2B Articulation Agreement Guarantees & Limitations

GUARANTEES

Students who:

1. complete the Associate of Science - Engineering degree prescribed curriculum at Casper College exactly as it is identified in this articulation agreement, **and**
2. have the degree conferred on their education record at Casper College (post high school graduation), **and**
3. earn a minimum cumulative grade point average (GPA) of 2.75 at the Casper College, **and**
4. pass all 67 credits for the associate degree, earning a grade C- or higher in each course

are **guaranteed** the following at the South Dakota School of Mines and Technology (South Dakota Mines):

1. junior standing at South Dakota Mines with no more than 65 remaining credits to meet the graduation requirements for the Bachelor of Science degree in Civil Engineering.
2. admission to South Dakota Mines
3. admission to the Bachelor of Science degree in Civil Engineering.

LIMITATIONS

1. This agreement is between the Associate of Science - Engineering degree at Casper College and the Bachelor of Science degree in Civil Engineering at South Dakota Mines only.
2. Students must meet all admission and application requirements at South Dakota Mines, including the submission of all required documentation by stated deadlines. Students are advised to contact the Office of Admissions at the South Dakota Mines early in their transfer planning.
3. Student must have a cumulative grade point average (GPA) at the Casper College of 2.75 or higher **and** only courses with grades of C- or higher are guaranteed to be accepted in transfer by South Dakota Mines.
4. The credit and course transfer guarantees described in this agreement apply to the Associate of Science degree at Casper College and the Bachelor of Science degree in Civil Engineering at South Dakota Mines. If the student changes majors at Casper College or at South Dakota Mines, the student is no longer covered by this Articulation Agreement and none of the Guarantees of the Agreement apply.
5. Students utilizing any form of transfer credit, including but not limited to credit awarded from other higher education institutions, standardized exam (CLEP, AP, DSST, etc.), prior learning assessment (military, certifications, ACE recommended credit, portfolio, challenge exam, work experience equivalent credit, etc.) to satisfy any Associate degree requirements will have those credits evaluated by South Dakota Mines. Should South Dakota Mines not accept the transfer credits accepted by Casper College, the student will be required to make up the credit deficiency at South Dakota Mines.
6. No course substitutions are allowed for the courses listed in the Prescribed Curriculum for the associate degree at Casper College.

A2B CONTACT INFORMATION

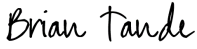
South Dakota Mines
Office of the Provost
605.394.2256
Provost@sdsmt.edu


Casper College
Academic Affairs
307.268.2229

RENEWAL, REVISION, and TERMINATION

1. This Associate to Bachelor Articulation Agreement (A2B) shall be in effect July 1 – June 30 each year and will automatically renew annually unless action is taken by South Dakota Mines or Casper College to terminate or modify it.
2. The South Dakota Mines Office of the Provost and the Casper College Academic Affairs division will collaborate to coordinate a review the content of the associate and bachelor degrees on a three-year cycle to ensure this A2B is still appropriate.
3. South Dakota Mines and the Casper College each reserve the right to seek revision of this agreement at any time.
4. Revision of any content of the agreement (except Appendices content) will be approved by each institution and result in a new agreement being signed, with copies retained by each institution.
 - a. Revision to any Appendices will be communicated to each institution, but do not need to be approved by each institution and will not result in a new agreement being signed by each institution.
5. South Dakota Mines and the Casper College each reserve the right to seek termination of this agreement at any time.
6. Should the agreement be terminated, each institution agrees to collaborate and engage in appropriate plans to notify and work with impacted students, providing a minimum one-year advance notice of termination.

APPROVALS

Signed by:

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Brian Tande, Ph.D.
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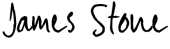
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Appendix A: Course Sequence

Course Sequence: Casper College

Engineering - Civil (A.S.)

Semester	Course No.	Course Title	Credit Hours	Completed
Freshman Year First Semester	CHEM 1020*	Chemistry I (Reasoning & Inquiry in Science Gen Ed)	4	
	ES 1060	Intro to Engineering Problem Solving	3	
	ES 1101	Introduction to Engineering Study	3	
	ENTK 1500	Engineering Graphics (PEL 0000)	4	
	MATH 2200*	Calculus I (Math Computation Gen Ed)	4	
<i>Total Credits</i>			18	

Semester	Course No.	Course Title	Credit Hours	Completed
Freshman Year Second Semester	CNST 0000*	Select 1 course from US/WY Constitution List (Gen Ed)	3	
	COMM 2010*	Public Speaking (Oral Comm Gen Ed)	3	
	ES 2110	Statics	3	
	ENGL 1010*	English Composition I (Written Communication Gen Ed)	3	
	MATH 2205	Calculus II	4	
<i>Total Credits</i>			16	

Semester	Course No.	Course Title	Credit Hours	Completed
Sophomore Year First Semester	ES 2120	Dynamics (PEL 0000)	3	
	FA 0000*	Select 1 course from FA List (Fine Arts Gen Ed)	3	
	ES 2410	Mechanics of Materials (PEL 0000)	3	
	MATH 2210	Calculus III (PEL 0000)	4	
	PHYS 1310	College Physics I	4	
<i>Total Credits</i>			17	

Semester	Course No.	Course Title	Credit Hours	Completed
Sophomore Year Second Semester	HW 0000	Select 1 course from HW List (Health & Wellness Gen Ed)	1	
	SSC 0000*	Select 1 course from SSC List (Social Science Gen Ed)	3	
	HU 0000*	Select 1 course from HU List (Humanities Gen Ed)	3	
	ES 2310	Thermodynamics (PEL 0000)	3	
	ES 2330	Fluid Dynamics (PEL 0000)	3	
	MATH 2310	Applied Differential Equations I (PEL 0000)	3	
<i>Total Credits</i>			16	

*General Education Coursework Total:	30 credit hours
Major and Elective Coursework Total:	37 credit hours
Casper College Coursework Total:	67 CREDIT HOURS

Course Sequence: South Dakota Mines – Fall Semester Start

Civil Engineering (B.S.)

Semester	Course No.	Course Title	Credit Hours	Completed
Junior Year First Semester - FALL	CEE 284	Applied Numerical Methods	3	
	CHEM 114	General College Chemistry II	3	
	CEE 336/336L	Hydraulic Systems Design w/Lab	3	
	CEE 353	Structural Theory	3	
	CEE 346/346L	Geotechnical Engineering I	3	
	CEE 316/316L	Construction Materials	3	
Total Credits			18	

Semester	Course No.	Course Title	Credit Hours	Completed
Junior Year Second Semester - SPRING	CEE 326	Environmental Engineering I	3	
	CEE 325	Introduction to Sustainable Design	3	
	CEE 274	Construction Engineering & Management	3	
	Select 3 from list	CEE 327/327L, CEE 337, CEE 456, CEE 347/347L	9	
Total Credits			18	

Semester	Course No.	Course Title	Credit Hours	Completed
Senior Year First Semester - FALL	IENG 302	Engineering Economics	3	
	CEE 463	Concepts of Professional Practice	2	
	MATH 381	Introduction to Probability & Statistics	3	
	ENGL 289	Explorations in STEM Communication*	3	
		Department Approved Elective	3	
Total Credits			14	

Semester	Course No.	Course Title	Credit Hours	Completed
Senior Year Second Semester - SPRING	CEE 468	Highway Engineering	3	
	CEE 489	Capstone Design	3	
	Select 1 from list	CSC 170/170L, MATH 443, GEOE 221/221L	3	
		Department Approved Electives	6	
Total Credits			15	

*General Education Coursework Total:	3 credit hours
Major and Elective Coursework Total:	62 credit hours
South Dakota Mines Coursework Total:	65 CREDIT HOURS