



# Associate to Bachelors (A2B) Articulation Agreement

## Prescribed Curriculum: Gillette College

### Associate of Science – Engineering (Civil)

General Education Courses			27 CREDIT HOURS
	Credit Hours	Community College Course No.	Course Title or Category
Science	4	CHEM 1020	General Chemistry I
Mathematics	4	MATH 2200	Calculus I
Cultural Studies	3	Select 1 course from	Cultural Studies “Global Diversity” or “Foreign Language” categories
	3	Select 1 course from	Cultural Studies “Social and Behavioral Sciences” category
US & WY Constitutions	3	HIST 1211, or 1221, or 1251, or POLS 1000	US to 1865, or US from 1865, or Wyoming History, or American and Wyoming Government
Communication	3	ENGL 1010	English Composition I
	3	COMM 2010	Public Speaking
Gen Ed Course of Choice	4	MATH 2205	Calculus II

Required Courses			18 CREDIT HOURS
	Credit Hours	Course No.	Course Title
Mathematics & Science	4	MATH 2210	Calculus III
	3	MATH 2310	Applied Differential Equations
	4*	PHYS 1310	College Physics I
Engineering	1	ES 1000	Orientation of Engineering
	3	ES 2110	Statics
	3	ES 2120	Dynamics

Program Elective Courses			20 CREDIT HOURS
	Credit Hours	Course No.	Course Title
ES Elective	3	ES 2410	Mechanics of Materials I
Program Elective	4	CHEM 1030	General Chemistry II
	3	ES 2330	Fluid Dynamics
	3*	ENTK 1500	Engineering Graphics
	4	ENTK 2070	Engineering Surveying I
	3	ES 1060	Introduction to Engineering Problem Solving

<b>Associate of Science – Engineering (Civil) Total:</b>	<b>65 CREDIT HOURS</b> (*62 credits apply)
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## Post-Associate Degree Prescribed Curriculum: South Dakota Mines

### Bachelor of Science – Civil Engineering

General Education Courses			6 CREDIT HOURS
	Credit Hours	Community College Course No.	Course Title or Category
<b>Written Communication</b>	3	ENGL 289	Explorations in STEM Communications
<b>Arts &amp; Humanities</b>	3	Select 1 course from	General Education Arts and Humanities (Goal 4)

Major Required Courses			38 CREDIT HOURS
	Credit Hours	Course No.	Course Title
<b>Civil Engineering</b>	3	CEE 326	Environmental Engineering I
	3	CEE 325	Intro to Sustainable Design
	3	CEE 274	Construction Engineering & Management
	3	CEE 336/336L	Hydro Systems Design
	3	CEE 353	Structural Theory
	3	CEE 346/346L	Geotechnical Engineering I
	3	CEE 316/316L	Construction Materials
	9	Select 3 of the following:	CEE 327/327L, CEE 337, CEE 456, CEE 437/347L
	3	CEE 468	Highway Engineering
	2	CEE 463	Concepts of Professional Practice
	3	CEE 489	Capstone Design

Other Required Courses			9 CREDIT HOURS
	Credit Hours	Course No.	Course Title
<b>Economics</b>	3	IENG 302	Engineering Economics
<b>Mathematics</b>	3	MATH 381	Intro to Probability & Statistics
<b>Other Math/Science</b>	3	Select 1 of the following:	CSC 170/170L, MATH 443, GEOE 221/221L

Elective Courses			15 CREDIT HOURS
	Credit Hours	Course No.	Course Title
<b>Electives</b>	15	Select from list	Department Approved Electives

**Post-Associate Degree Total: 68 CREDIT HOURS**

**Bachelor of Science – Civil Engineering Total: 130 CREDIT HOURS**

# A2B Articulation Agreement Guarantees & Limitations

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## GUARANTEES

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Students who:

1. complete the Associate of Science - Engineering degree prescribed curriculum at Gillette College exactly as it is identified in this articulation agreement, **and**
2. have the degree conferred on their education record at Gillette College (post high school graduation), **and**
3. earn a minimum cumulative grade point average (GPA) of 2.75 at the Gillette College, **and**
4. pass all 64 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 68 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

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1. This agreement is between the Associate of Science - Engineering degree at Gillette 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 Gillette 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 Gillette College and the Bachelor of Science degree in Civil Engineering at South Dakota Mines. If the student changes majors at Gillette 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 Gillette 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 Gillette College.

## A2B CONTACT INFORMATION

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South Dakota Mines  
Office of the Provost  
605.394.2256  
[Provost@sdsmt.edu](mailto:Provost@sdsmt.edu)

Gillette College  
Academic & Student Affairs  
307.681.6000  
[admissions@gillettecollege.org](mailto:admissions@gillettecollege.org)

## 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 Gillette College to terminate or modify it.
2. The South Dakota Mines Office of the Provost and the Gillette College Academic and Student Affairs department 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 Gillette 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 Gillette 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

DocuSigned by:  
  
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Lance Roberts, Ph.D.  
 Interim President  
 South Dakota Mines

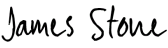
Date

Signed by:  
  
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Janell Oberlander, Ed.D.  
 President  
 Gillette College

1/17/2025

Date

DocuSigned by:  
  
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James Stone, Ph.D.  
 Interim Provost and Vice President for Academic Affairs  
 South Dakota Mines

Date

Signed by:  
  
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Barry Spriggs, Ph.D.  
 Vice President for Academic and Student Affairs  
 Gillette College

1/14/2025

Date

DocuSigned by:  
  
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Marc Robinson, Ph.D.  
 Interim Department Head

Date

Signed by:  
  
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Martin Fashbaugh  
 Dean of Arts and Sciences

12/19/2024

Date

South Dakota Mines

Gillette College

## **Appendix A: Course Sequence**

## Course Sequence: Gillette College

### Engineering - Civil (A.S.)

Semester	Course No.	Course Title	Credit Hours	Completed
Freshman Year First Semester	MATH 2200	Calculus I	4	
	CHEM 1020	General Chemistry I	4	
	ES 1000	Orientation of Engineering	1	
	ENGL 1010	English Composition	3	
	ES 1060	Intro to Engineering Problem Solving (Program Elective)	3	
<b>Total Credits</b>			<b>15</b>	

Semester	Course No.	Course Title	Credit Hours	Completed
Freshman Year Second Semester	COMM 2010	Public Speaking (Advanced Writing)	3	
	CHEM 1030	General Chemistry II (Program Elective)	4	
	ES 2110	Statics	3	
	MATH 2205	Calculus II	4	
	PHYS 1310	College Physics I	4*	
<b>Total Credits</b>			<b>18</b>	

Semester	Course No.	Course Title	Credit Hours	Completed
Sophomore Year First Semester	MATH 2210	Calculus III	4	
	ES 2120	Dynamics	3	
	Select 1 course from:	Cultural Studies: Foreign Language or Global Diversity areas	3	
	ES 2410	Mechanics of Materials I (ES Program Elective)	3	
	Select 1 course from:	HIST 1211, HIST 1221, HIST 1251, POLS 1000 (US/WY Const)	3	
<b>Total Credits</b>			<b>16</b>	

Semester	Course No.	Course Title	Credit Hours	Completed
Sophomore Year Second Semester	MATH 2310	Applied Differential Equations	3	
	Select 1 course from:	Cultural Studies: Social & Behavioral Science area	3	
	ENTK 1500	Engineering Graphics (Program Elective)	3*	
	ENTK 2070	Engineering Surveying I	4	
	ES 2330	Fluid Dynamics (Program Elective)	3	
<b>Total Credits</b>			<b>16</b>	

General Education Coursework Total: 27\* credit hours

Major and Elective Coursework Total: 38\* credit hours

**Gillette College Coursework Total: 65 CREDIT HOURS**  
(\*62 credits apply)

## 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	ENGL 289	Communication in the STEM Workplace	3	
	CEE 336/336L	Hydraulic Systems Design w/Lab	3	
	CEE 353	Structural Theory	3	
	CEE 346/346L	Geotechnical Engineering w/Lab	3	
	CEE 316/316L	Engineering and Construction Materials w/Lab	3	
	CEE 284	Applied Numerical Methods	3	
<b>Total Credits</b>			<b>18</b>	

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

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	
		Department Approved Electives	9	
	Math 381	Introduction to Probability and Statistics	3	
<b>Total Credits</b>			<b>17</b>	

Semester	Course No.	Course Title	Credit Hours	Completed
Senior Year Second Semester - SPRING		Department Approved Electives	6	
	CEE 489	Capstone Design	3	
		General Education – Arts/Humanities (Goal 4)	3	
	CEE 468	Highway Engineering	3	
<b>Total Credits</b>			<b>15</b>	

<b>*General Education Coursework Total:</b>	<b>6 credit hours</b>
<b>Major and Elective Coursework Total:</b>	<b>62 credit hours</b>
<b>South Dakota Mines Coursework Total:</b>	<b>68 CREDIT HOURS</b>