



Howard College & Angelo State University
1+3 Agreement
B.S. Geoscience



Start at Howard College

Freshman Year

	Fall	Hrs.		Spring	Hrs.
Core 1		3		Core 5	3
Core 2		3		Core 6	3
Core 3		3		Core 7	3
Core 4		3		Core 8	3
CHEM 1411		4		CHEM 1412	4
<i>MATH Pre-requisite if needed</i>		<i>3-4</i>		<i>MATH Pre-requisite if needed.¹</i>	<i>3-4</i>
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16 hrs.			16 hrs.		

Transfer to Angelo State University

Sophomore Year

	Fall	Hrs.		Spring	Hrs.
PHYS 1441		4		PHYS 2442 or BIO 1480	4
GEOL 1401		4		GEOL 1402	4
MATH 2513 ¹		5		CS 1361	3
Core 9		3		Core 10	3
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16 hrs.			14 hrs.		

	Fall	Hrs.		Spring	Hrs.
GEOL 3371		3		ENGL 3351	3
MATH 3514		5		GEOL 3302	3
GEOL 3400		4		GEOL 3102	1
Minor or Elective ²		3		GEOL 3600	6
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15 hrs.			13 hrs.		

Senior Year

	Fall	Hrs.		Spring	Hrs.
GEOL 3303 or 4330 or 4391		3		GEOL 4303 or 4320	3
GEOL 3401		4		GEOL 3310	3
GEOL 3411		4		Minor or Elective ²	3
Minor or Elective ²		2		Minor or Elective ²	3
Minor or Elective ²		3		Minor or Elective ²	2
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16 hrs.			14 hrs.		

<p>Core Choices</p> <p>ENGL/ENG 1301</p> <p>ENGL/ENG 1302</p> <p>ENGL/ENG Sophomore Literature</p> <p>GOVT 2305/POLS 2301³</p> <p>GOVT 2306/POLS 2302³</p> <p>HIST 1301</p> <p>HIST 1302</p> <p>Social Science Elective (any course listed in the Soc. Sci. core by either institution)</p> <p>SPCH 1315/COMM 2301</p> <p>Visual & Performing Arts Elective (any course listed in the VPA core by either institution)</p>
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¹MATH 2513 requires completion of a Pre-calculus course. Students will be exempt from having to take Pre-calculus if the student has completed two years of high school algebra, one year of high school geometry, and a high school precalculus course. If the student needs to take Pre-calculus, they are encouraged to complete it at Howard College before transferring to ASU. Pre-calculus can be used towards a minor in Mathematics. Students can take other core courses out of their first year at Howard College and take those at ASU in order to take the Calculus pre-requisite courses.

²The following minor areas for the Geosciences degree are recommended: Chemistry, English, or Mathematics. If a student chooses a different minor this degree may require more than 120 semester hours. Elective hours will vary based on what minor the student chooses and how many math courses the student takes.

³Students are advised to take their Government/Political Science sequence at one institution. Students should take both GOVT 2305 and 2306 at Howard College before transferring or wait until after transferring to take POLS 2301 and 2302 at ASU. Contact your advisor for more information.