

The following table outlines how transfer credits will be applied to the Bachelor of Science in Geology degree at Youngstown State University for students who completed an Associate of Science degree via the Ohio Guaranteed Geology Transfer Pathway. The OGTP designation guarantees the transfer and applicability of credits, but does not guarantee admission to a program. Some bachelor-degree granting programs may be competitive, and students should check with individual institutions for their program admission requirements.

COURSE EQUIVALENCIES FROM THE ASSOCIATE DEGREE	Course Number	Credit Hours
GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER MODULE		
Any OTM approved First Writing (TME001) course	ENGL 1550	3
Calculus I (TMM005)	MATH 1571	4
Any OTM approved Arts and Humanities course	OTM Elective*	3
Any OTM approved Arts and Humanities course	OTM Elective*	3
Any OTM approved Social and Behavioral Sciences course	OTM Elective*	3
Any OTM approved Social and Behavioral Sciences course	OTM Elective*	3
General Chemistry I with lab (OSC008)	CHEM 1515/L	4
General Chemistry II with lab (OSC009) ¹	CHEM 1516/L	4
Any OTM approved Second Writing (TME002) course	ENGL 1551	3
OTM approved elective [Recommended: Calculus-Based Physics I with lab (OSC016) or Algebra-Based Physics I with lab (OSC014)]	PHYS 1501/L	5
Up to 4 additional hours of OTM approved courses	PHYS 1502/L	5
PRE-MAJOR/BEGINNING MAJOR		
Physical Geology with lab (OSC025)	GEOL 1505/L	4
Historical Geology with lab (OSC026)	GEOL 2605	4
OTHER RECOMMENDATIONS		
Geospatial Foundations	GEOG 2611	3
Any OTM approved Oral Communications course	CMST 1545	3
General Electives ¹	Varies*	10
TOTAL HOURS FROM ASSOCIATE DEGREE:		60-65
Advising Notes: (*) Indicates that coursework will be evaluated for applicable equivalency upon transfer at the university. If a Transfer Assurance Guide (TAG) course is taken, the approved course equivalency will be awarded.		

SPECIAL NOTES

Students with plans of pursuing a pre-professional or graduate studies track in the future should work closely with their academic advisor and receiving institution starting in the first year of their program in order to adequately prepare themselves for those types of tracks. Some pre-professional degrees include pre-medicine, pre-veterinary, pre-law, and pre-dentistry.

The following additional coursework will be required to complete the Bachelor of Science in Geology degree at Youngstown State University after a student has completed their Associate of Science Ohio Guaranteed Geology Transfer Pathway degree. Some bachelor-degree granting programs may be competitive and admission into the program is not guaranteed. Students should check with individual institutions for their program admission requirements.

REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE		Course Number	Credit Hours
Major Requirements:	Calculus II	MATH 1572	4
Major Requirements:	Statistical Methods	STAT 3717	4
Major Requirements:	Mineralogy	GEOL 3700	4
Major Requirements:	Geomorphology	GEOL 3701	3
Major Requirements:	Structural Geology with Laboratory	GEOL 3704/L	3
Major Requirements:	Igneous and Metamorphic Petrology	GEOL 3718	4
Major Requirements:	Geoscience Seminar (may be repeated up to four times)	GEOL 3750	1
Major Requirements:	Sedimentation and Stratigraphy	GEOL 5802	3
Major Requirements:	Foundations of Environmental Studies with Laboratory	ENST 2600/L	4
Major Requirements:	Intro to Geographic Information Science	GEOG 3701	3
Major Requirements:	Geology Field Camp ¹	GEOL 48XX	6
Major Requirements:	Minimum of Four Upper Division GEOL Courses	Varies	12-16
Elective:	Electives	Varies	6-9
REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE TOTAL:²			60-61
Advising Notes:			
¹ Students may substitute STEM 4890 (STEM Internship, 4 hours) or GEOL 4830 (Senior Thesis, 4 hours) for Geology Field Camp with permission of the Department Chairperson.			
² Students must complete at least 39 hours of coursework must be upper-division (3700 or higher). Youngstown State University requires a total of 120 credit hours to earn a bachelor's degree. The total number of hours to complete a bachelor's degree represents a range of hours that may be needed depending on the individual course selections made during the associate degree program.			

COMPLETE BACHELOR'S DEGREE	Total Credit Hours
BACHELOR'S DEGREE TOTAL:	120

SPECIAL NOTES
For more information, please contact: Geological and Environmental Sciences 2120 Moser Hall (330) 941-3612 https://ysu.edu/academics/science-technology-engineering-mathematics/geology-major

SAMPLE DEGREE MAP

THIRD YEAR

SEMESTER 5	
Course Name & Number	Credit Hours
GEOL 3701 Geomorphology	3
GEOL 3700 Mineralogy	4
MATH 1572 Calculus II	4
Upper Division GEOL Course	3-4
Total Semester 5 Credit Hours	14-15

SEMESTER 6	
Course Name & Number	Credit Hours
GEOL 3704/L Structural Geology with Laboratory	3
GEOL 3718 Igneous and Metamorphic Petrology	4
STAT 3717 Statistical Methods	4
ENST 2600/L Foundations of Environmental Studies with Laboratory	4
Elective	0-3
Total Semester 6 Credit Hours	15-18

FOURTH YEAR

SEMESTER 7	
Course Name & Number	Credit Hours
GEOL 3750 Geoscience Seminar	1
Upper Division GEOL Course	3-4
Upper Division GEOL Course	3-4
GEOG 3701 Intro to Geographic Information Science	3
Elective	3
Total Semester 7 Credit Hours	13-15

SEMESTER 8	
Course Name & Number	Credit Hours
GEOL 5802 Sedimentation and Stratigraphy	3
Upper Division GEOL Course	3-4
GEOL 48XX Geology Field Camp	6
Elective	3
Total Semester 8 Credit Hours	15-16