

## Geneseo Curriculum Map for: B.A. in Geological Sciences

Program Learning Outcomes (one per row):	These courses introduce material necessary for outcome achievement. (e.g., PSYC 100)	These courses reinforce material necessary for outcome achievement.	These courses provide coverage necessary for mastery of the outcome.
1) Identify, describe, and interpret Earth materials, and evaluate the physical, geometric, and temporal relationships.	GSCI 160 GSCI 161 GSCI 170	GSCI 210 GSCI 341	GSCI 351    GSCI 353 GSCI 361    GSCI 370
2) Recognize and interpret the origin and evolution of erosional or constructional landscapes (e.g., fluvial, glacial, arid, coastal, volcanic, deformational) within the context of modern tectonics and climatic concepts.	GSCI 160 GSCI 161	GSCI 170	GSCI 331 GSCI 333 GSCI 334
3) Recognize and utilize the laws of superposition and faunal succession in deciphering Earth history.	GSCI 160 GSCI 161	GSCI 170	GSCI 361
4) Use appropriate field and analytical tools for the purpose of data collection and analysis.	GSCI 210 GSCI 341	GSCI 220 GSCI 361	GSCI 343 GSCI 351 GSCI 353 GSCI 370
5) Critically evaluate data and interpretations, and succinctly communicate data and observations using spreadsheets, graphical and/or spatial analysis tools.	GSCI 220	GSCI 341 GSCI 361	GSCI 315    GSCI 347 GSCI 320    GSCI 351 GSCI 331    GSCI 370 GSCI 343
6) Access and utilize the geologic literature.	GSCI 220	GSCI 341 GSCI 361 GSCI 391	GSCI 315    GSCI 353 GSCI 320    GSCI 392 GSCI 331 GSCI 351
7) Communicate effectively in both oral and written formats as well as be comfortable with the language of geology.	GSCI 220 GSCI 341	GSCI 331 GSCI 361 GSCI 391	GSCI 315    GSCI 343 GSCI 320    GSCI 347 GSCI 333    GSCI 361 GSCI 334    GSCI 392
8) Create, read, and interpret topographic maps, geologic maps, and cross-sections.	GSCI 160 GSCI 161 GSCI 170	GSCI 341	GSCI 331 GSCI 333 GSCI 334