

## Earth and Environmental Studies BA-CORE and math requirements

Prefix	Course Title	Credits	Offering	Enrollment requirements
GLG101	Introduction to Geology (lecture)	3	Fall/spring/summer	
GLG103	Introduction to Geology (lab)	1	Fall/spring/summer	
GLG305	Dynamic Earth	3	Spring	Pre-requisites: Pre-requisite: GLG 101 or SES 121; MAT 170, 210, or 251; CHM 107 or higher, PHY 101 or higher, or BIO 100; all with C or better
GLG325	Oceanography	3	Fall	Pre-requisites: CHM101 or CHM113 or CHM114 with C or better AND BIO100 or BIO182 or BIO282 or GLG101 or SES121 with C or better; <b>Credit is allowed for only BIO325 or GLG 325 or CHM385</b>
GLG327	Earth's Critical Zone	3	Fall	Pre-requisites: GLG 101 & GLG 103 or SES 121 & SES 123; MAT 170 or higher; PHY 101 or higher or CHM 101 or higher, or BIO 100 or higher, all with a C or better; <b>Credit for GLG327 or SOS374 only</b>
GLG464	Solving Environmental Problems	3	Spring	Earth and Environmental Sciences BA seniors; GLG 305, 325 or 327 with C or better
EES electives	Various (must be upper division)	15	Fall/spring/summer	
<b>Other introductory Geology classes, choose 2 from:</b>				
GLG102 & 104	Historical Geology (lecture + lab)	3/1	Fall/spring	
GLG108	Water Planet	4	Spring	
GLG110 & 111	Dangerous World (lecture +lab)	3/1	Fall/spring	
SES106	Habitable Worlds	4	Fall/spring	
<b>Math classes, choose 1 from:</b>				
MAT170	Pre-calculus	3	Fall/spring/summer	Pre-requisites: MAT 117 with C or better or completed Math Placement Test with a score of a 50% or higher
MAT210	Brief Calculus	3	Fall/spring/summer	Pre-requisites: MAT 117 (or 119, 170 or 171) with C or better or Mathematics Placement Test with a score of 56% or higher; Credit is allowed for only MAT 210, 251, 265 or 270
MAT251	Calculus for Life Sciences	3	Fall/spring/summer	Pre-requisites: MAT 170 or 171 with C or better or Mathematics Placement Test with a score of 56% or higher; Credit is allowed for only MAT 210, 251, 260, or 270

Special notes: This handout is intended as a helpful tool for scheduling planning. However, students and advisors should consult the course catalog for official course information as pre-requisites and course offerings are constantly evolving. Also, occasionally classes don't show up on the DARS in the proper areas for the major. Students should contact the SESE advisor if this occurs.

## Earth and Environmental Studies BA-related Science requirements (vary depending on catalog year)

Choose 1 CHM and 1 other science (BIO or PHY)*				
CHM 101**	Introductory Chemistry	4	Fall/spring/summer	
CHM113	General Chemistry I	4	Fall/spring/summer	Pre-requisite: CHM 101 with C or better OR Math Placement Test with score of 50% or higher, or Pre- or Co-requisite: MAT 170, MAT 171, MAT 210, MAT 251, MAT 265 or MAT 270 (with C or better if completed); <b>Credit for CHM113 or CHM117 only</b>
CHM114	General Chemistry for Engrs	4	Fall/spring	Pre-requisite: CHM 101 with C or better OR Math Placement Test with score of 50% or higher, or Pre- or Co-requisite: MAT 170, MAT 171, MAT 210, MAT 251, MAT 265 or MAT 270 (with C or better if completed)
BIO100	The Living World	4	Fall/spring/summer	
BIO182	General Biology II	4	Fall/spring/summer	
PHY101	Introduction to Physics	4	Fall/spring/summer	
PHY111 & 113	General Physics	3/1	Fall/spring/summer	Pre-requisites: MAT 170 (or higher) with C or better or minimum score of 56% on the Math Placement Test or Co-requisite: MAT 210 (or higher)
PHY121 & 122	University Physics I: Mechanics	3/1	Fall/spring/summer	Pre-requisites: MAT 265 or MAT 270 with C or better; Pre or Co-requisites: MAT 266 or MAT 271 (with C or better if completed)

Codes for offering: F=fall, S=spring, SS=summer session

\*Students in catalog years 2011 and prior have the option to pick *ANY two different sciences* from the approved CHM, BIO and PHY courses (i.e. acceptable combinations would be CHM and BIO OR CHM and PHY OR BIO and PHY. These students also have the option to take CHM107/108 as one of the approved CHM courses and BIO181 as one of the approved BIO courses. Students should check DARS report in MYASU for verification of catalog year and consult with an advisor if there are any questions.

\*\*Students in catalog years 2014 and prior will not see an option to take CHM 101 on their DARS, but we will allow the use of CHM 101 to meet your required Chemistry course. If you take CHM 101, but it does not fill in on your DARS correctly, please email your advisor to request that the course gets properly placed.