

Lehman College – First Year Earth Science

GE = Gen Ed
M = Major
Ed = Education
El = Elective

Summer

Math 172 (Pre-Calculus) plus tutorial component (4)

Fall

GE: ENG 110- Principles of Effective Writing I (4 hrs, 3 crs)
M: MAT 175- Calculus (4)
MAT- Calculus I Lab (1 cr)
BIO 166- Introduction to Organismic Bio (6 hrs, 4 cr) <u>OR</u>
GEO 100- Marine Science (5 hrs, 4 cr) <u>OR</u>
GEO 101- Physical Geology (5 hrs, 4 cr) <u>OR</u>
GEO 166- Processes of Global Change (4)
Ed: LEH 101- Freshman Seminar with Education Focus (3 cr)
Credits: 15

Winter

Distribution Course from Areas I-VII (3)- <i>may be taken in Winter 07 OR Summer A 07</i>

Spring

GE: ENG 120- Principles of Effective Writing II (4 hrs, 3 cr)
M: MAT 176- Calculus II (4)
MAT 156- Calculus Lab II (1)
GEO 167- Evolution of the Earth (5 hrs- 3 lec, 2 lab; 4 cr)
Ed: ESC 301- Psychological Foundations of Middle & High School (3)
Credits: 15

First Year credits: 37

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Summer

To be offered during Summer A (6/07) Distribution Course from Areas I-VII (3)- *to be taken either in Winter 07 OR Summer A 07*

Fall

GE: Distribution Course from Areas I-VII (3)

M: CHEM 166- General Chemistry I (3) AND
CHEM 167- General Chemistry Lab (4 hr, 2 cr) OR
BIO 166- Introduction to Organismic Biology (6 hr, 4 cr) OR
PHY 166- General Physics I (6 hr, 4 cr)
GEO 244- Mineralogy (6 hr, 4 cr)

Ed: ESC 302- Social Foundations of Education: A Multicultural Perspective (3)

Credits: 14-15

Spring

GE: Distribution Course from Areas I-VII (3)

M: PHY 167- General Physics II (6 hr, 5 cr) OR
BIO 167- Principles of Biology (6 hr, 4 cr) OR
CHEM 168- General Chemistry II (3) AND
CHEM 169- General Chemistry Lab II (4 hr, 2 cr)

GEO 242- Introductory Paleontology (6 hr, 4 cr) OR
GEO 236- Environmental Geology (5 hr, 4 cr)

Ed: ESC 409- Instructional Strategies for Middle and High Schools (4)

Credits: 15-16

Second Year Credits: 29-31

Lehman College – Third Year Earth Science

GE = Gen Ed
M = Major
Ed = Education
El = Elective

Summer

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Fall

GE:	LEH 301- The American Experience (3) Distribution Course from Areas I-VII (3)
M:	GEO 303- Stratigraphy and Sedimentology (6 hr, 4 cr) <i>OR</i> GEO 333- Petrology (5 hr, 4 cr)
Ed:	ESC 429- Teaching Language, Literacy and Educational Technology (3)
Credits: 13	

Spring

GE:	Distribution Course from Areas I-VII (3) Distribution Course from Areas I-VII (3)
M:	GEO 348- Structural Geology (5 hr, 4 cr)
Ed:	ESC 419- Teaching Science in Middle and high School (3 hr lec, 3 lab, 30 hr field, 4 cr)
Credits: 14	

Third Year Credits: 27

**Lehman College – Fourth Year
Earth Science**

GE = Gen Ed
M = Major
Ed = Education
El = Elective

Summer

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Fall

GE: World Foreign Language (4) Distribution Course from Areas I-VII (3)
M: GEO 448- Geotectonics (5 hr, 4 cr)
Ed: ESC 470- Student Teaching in Middle and High School (3)
Credits: 14

Spring

GE: World Foreign Language (5)
M: Electives (6-8) to be selected with advisor
Ed: ESC 470- Student Teaching in Middle & High School (3)
Credits: 16

Fourth Year credits: 28-30

Total Credits: 121-125

(Math: 58/ Science 8-10/ English 6/ Language 9/ Distribution 21/ Education 23/ LEH 6)