

# ASSOCIATE IN SCIENCE IN GEOLOGY FOR TRANSFER

Curriculum Guide for Academic Year 2019-2020

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Resources available for transfer students:

Academic Counselors (Call 562-938-4561 at LAC or 562-938-3920 at PCC);

Transfer Center (562-938-4670 at LAC, 562-938-3920 at PCC);

ASSIST web site at [www.assist.org](http://www.assist.org).

### Program of study leading to: Associate in Science (AS-T) Degree

#### Required Core: Complete all courses below

GEOL 1/1H OR	Gen Physical Geology/Honors OR
GEOL 2 & 2L	General Geology, Physical & Lab
GEOL 3/3H	Historical Geology/Honors
† CHEM 1A	General Chemistry
† CHEM 1B	General Chemistry
† MATH 60/60H	First Calculus Course/Honors
† MATH 70/70H	Second Calculus Course/Honors

C-ID Descriptor	IGETC Area	Units	In Progress	Completed Grade
GEOL 101	5A	4.5		
GEOL 100& 100L	5A	3 & 1.5		
GEOL 111	5A	4.5		
CHEM 110/120S	5A	5.5		
CHEM 120S	5A	5.5		
MATH 210	2A	5		
MATH 220	2A	5		
<b>TOTAL UNITS</b>		<b>30</b>		

**IN ADDITION to the above major courses, students are also required to obtain general education certification and meet other degree requirements as specified below.**

#### General Education Certification Requirements

Completion of the Intersegmental General Education Transfer Curriculum (IGETC) pattern IS REQUIRED. For general education patterns, visit the following web site: <http://osca.lbcc.edu/genedplan.cfm>, or the LBCC catalog. After completion of the General Education Pattern **students must request GE certification**. Consult with a counselor for more information about the GE Certification process.

#### Other Degree Requirements

- Minimum Unit Requirements:** Complete a minimum of 60 transferable units. Please note that additional units may be required to meet this minimum based upon courses selected to fulfill the IGETC Pattern.

##### If following CSU-GE Breadth Pattern

	Units
Geology for Transfer Major	30**
CSU-GE Breadth	39
<b>Minimum Required</b>	<b>60</b>

##### If following IGETC Pattern

	Units
Geology for Transfer Major	30**
IGETC Pattern	37
<b>Minimum Required</b>	<b>60</b>

**\*\*Double-Counting of Units:** STAR Act Regulations allow for double-counting of major requirements towards the IGETC patterns, and **10.5 units** of the Geology for Transfer coursework can be applied to the IGETC patterns.

- Minimum grade and GPA requirements:** Maintain an **overall grade point average (GPA) of 2.0** ("C" average) in all CSU-transferable coursework. For the major **complete each course with a grade of "C" or better**, or "P" if course is graded on a P/NP basis.
- Residence for the Degree:** Complete at least 12 IGETC-transferable units (courses numbered 1-99) in residence at LBCC.
- Degree Application:** Complete and submit the degree application form to the Admissions and Records office during your final semester of course work. These forms are available in the Admissions and Records office, or online at <http://admissions.lbcc.edu/>. Refer to the Schedule of Classes (<http://schedule.lbcc.edu>) and click the "Important Dates" link to view the actual deadline for each semester.
- The requirements for general education/proficiency and the field of concentration (major) need to be from the same catalog year. This catalog year may be any year between the year of initial enrollment to the present, provided continuous enrollment is maintained throughout. See the catalog for definition of "continuous enrollment".

## **Program Mission and Outcomes**

The Geology for Transfer degree at Long Beach City College aim to prepare students with a general education in the principles, concepts and methodologies of geology. This degree is designed to increase students' understanding of the earth, and to continue their education toward upper division courses in the Earth Sciences. Students will have guaranteed admission to the CSU system, but not to a particular campus or major. The Associate in Science in Geology for Transfer degree will prepare students for meaningful career employment and will facilitate transfer in a related major if desired.

### **Program Outcomes**

- Differentiate between unsupported opinion and verifiable scientific fact supported by observations, experiments, and scientific theory.
- Demonstrate a basic understanding of the field of geology by applying basic geologic concepts verbally and in writing

### **Legend**

† This course has a prerequisite; prerequisite courses must be completed with at least a "C" or "P" grade. Refer to the General Catalog (<http://www.lbcc.edu/cat/index.html>), the Schedule of Classes (<http://schedule.lbcc.edu/>), or the online Credit Course Outline (<http://wdb-asir.lbcc.edu/coursecurriculum/coursedetails/>) for specific prerequisite information.