

MATHEMATICS - ASSOCIATE IN SCIENCE

Plan Code: 2530

This degree is designed to recognize competency in mathematics at a postsecondary level. This Associate Degree may facilitate transfer for a four-year degree.

Program Student Learning Outcomes

- Demonstrate the ability to attain the Institutional Student Learning Outcomes (ISLOs).
- Analyze given information, then determine and execute a course of action.
- Analyze and interpret results.

Program Requirements

This degree requires the completion of General Education coursework plus the following:

| Code Number | Course Title | Units |
|---|---|--------------|
| REQUIRED COURSES | | |
| ENGL 1 | Reading and Composition <small>javascript:void(0)</small> | 4-5 |
| or ENGL 1H | Honors Reading and Composition | |
| or ENGL 1S | Reading and Composition with Support | |
| or ESL 1S | College Writing for Non-Native Speakers | |
| ENGR 54 | Computer Methods | 3.5 |
| MATH 60/60H | First Calculus Course | 5 |
| MATH 70/70H | Second Calculus Course | 5 |
| MATH 80 | Third Calculus Course | 5 |
| MATH 84 | Intro Differential Eqns and Linear Alg | 5 |
| PHYS 3A | Physics for Sci. & Eng. - Mechanics | 5.5 |
| Subtotal Units | | 33-34 |
| IN ADDITION, complete TWO (2) courses from the following: | | |
| BIO 1A | Biology for Science Majors (5) | |
| BIO 1B | Biology for Science Majors (5) | |
| CHEM 1A | General Chemistry (5.5) | |
| CHEM 1B | General Chemistry (5.5) | |
| ECON 1/1H | Macro Economic Analysis (3) | |
| ECON 2/2H | Micro Economic Analysis (3) | |
| GEOL 2 | General Geology, Physical (3) | |
| GEOL 3/3H | Historical Geology (4.5) | |
| GEOL 5 | Environmental Geology (3) | |
| PHYS 3B | Physics for Sci. & Eng. - E & M (4.5) | |
| PHYS 3C | Physics for Sci. & Eng. - Modern Physics (4.5) | |
| Subtotal Units | | 6-11 |
| Required Subtotal | | 39-45 |
| Complete one of the following: ¹ | | 19-39 |

LBCC General Education (Plan A) (<https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-a/>)

CSU GE Breadth (Plan B) (<https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-b/>)

IGETC Pattern (Plan C) (<https://lbcc-public.courseleaf.com/academic-requirements/general-education-transfer-degree-certificate-requirements/general-education-plans/plan-c/>)

Electives (as needed to reach 60 degree-applicable units) ²

Minimum Degree Total **60**

¹ Units for the major may be double-counted for LBCC GE, CSU GE, or IGETC; see counselor for limitations.

² Elective units from course(s) numbered 1-599, if needed, to reach 60 degree-applicable units.