

Core Curriculum Map

CORE COURSES

| Math 1abc | Physics 1abc | Chem 1ab | Ch 3a/3x | Bi1/1x | Menu | Frosh Hum | Intro Soc Sci | Phys Ed | Sci Comm | Intro Lab | Advanced Hum | Advanced Soc Sci |
|-----------|--------------|----------|----------|--------|------|-----------|---------------|---------|----------|-----------|--------------|------------------|
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THE CALTECH CORE CURRICULUM PROVIDES:

1. Substantive experience in problem solving, collaboration, and communication.

Students will be able to ...

| | | | | | | | | | | | | | |
|---|-----|-----|-----|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| a. Manage increasing academic challenges while developing resilience and confidence. | I,A | I,A | I,A | I | I,A | I,A | I,A | I,A | I,A | I,A | I | I,A | I,A |
| b. Develop and satisfy their intellectual curiosity. | I | I | I,A | I | I | I,A | I,A | I,A | | I,A | I | I,A | I,A |
| c. Collaborate effectively and ethically, recognizing diverse models of academic collaboration. | I | I,A | I,A | I | I,A | I,A | I,A | I,A | I | I | I,A | I,A | |
| d. Communicate to a range of audiences through a variety of media. | I | I | I | I | I | I,A | I | I,A | | A | I,A | I,A | I,A |

2. A broad and rigorous foundation in the sciences.

Students will be able to ...

| | | | | | | | | | | | | | |
|--|-----|-----|-----|---|---|-----|---|---|--|-----|---|-----|--|
| a. Demonstrate understanding of foundational concepts from the sciences. | I,A | I,A | I,A | I | I | I,A | I | | | I,A | I | I,A | |
| b. Use disciplinary thinking, analytical skills, and a range of methods in the sciences. | I,A | I,A | I,A | I | I | I,A | I | I | | | I | I,A | |
| c. Apply their knowledge and skills to diverse problems within and across disciplines. | I | I | I,A | I | I | I | I | I | | I,A | I | A | |

3. Significant study in the humanities and social sciences.

Students will be able to ...

| | | | | | | | | | | | | | |
|---|--|--|--|---|--|-----|-----|-----|---|--|--|-----|-----|
| a. Explore and expand upon learning in fields beyond intended areas of specialization. | | | | I | | I,A | I,A | I,A | I | | | I,A | I,A |
| b. Appreciate and understand the contributions of the humanities, social sciences, and arts to human endeavors. | | | | | | I | I,A | I,A | | | | I,A | I,A |
| c. Engage in informed analysis of cultural, political, and economic issues. | | | | I | | I,A | I,A | I | | | | | I,A |