

## Orientation Major Advising: First Quarter recommendation Geology Major

| Your Major Advisor<br>(for all major-related questions)  | Your Faculty Advisors<br>(for further questions about<br>your major)  | Your College Advisor<br>(for questions about GE and<br>other requirements)   |
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| <p>Drop in for advising at 2119 Earth and Physical Sciences or make an appointment at <a href="https://appointments.ucdavis.edu">appointments.ucdavis.edu</a></p> <p>Mandy Rousseau<br/> <a href="mailto:mlrousseau@ucdavis.edu">mlrousseau@ucdavis.edu</a><br/>           530-752-9100</p> <p><a href="https://eps.ucdavis.edu/students/undergrad/advising">https://eps.ucdavis.edu/students/undergrad/advising</a></p> | <p>Email your faculty advisor to set up an appointment:</p> <p>Dr. Ryosuke Motani<br/> <a href="mailto:rmotani@ucdavis.edu">rmotani@ucdavis.edu</a></p> <p>Dr. Dave Osleger<br/> <a href="mailto:daosleger@ucdavis.edu">daosleger@ucdavis.edu</a></p> <p>Dr. Max Rudolph<br/> <a href="mailto:maxrudolph@ucdavis.edu">maxrudolph@ucdavis.edu</a></p> <p><a href="https://eps.ucdavis.edu/students/undergrad/advising">https://eps.ucdavis.edu/students/undergrad/advising</a></p> | <p>Make an appointment at <a href="https://appointments.ucdavis.edu">appointments.ucdavis.edu</a></p> <p>Determined by last name;<br/> <a href="https://lettersandscience.ucdavis.edu/advising">https://lettersandscience.ucdavis.edu/advising</a></p> |

### Academic Advising: Where to find your requirements

*Familiarize yourself with these pages (and bookmark them!)*

- [Catalog](#) (for your official requirements)
- [OASIS](#) (contact your academic advisor, create academic plans, and see your academic record)
- [MyDegree](#) (a checklist of all your graduation requirements)

### Planning your schedule

- You must take at least 12 units. It's recommended to take 15 units your first quarter.
- Balance out your schedule by taking 1-2 major classes and 1-2 General Education classes.
- Take only lower division courses (numbered 1-99) that you have the prerequisites for.
- Follow your individual First Quarter Recommendation on page 2 to create your schedule based on your major and placement scores into various major classes.

### Registration

- Registration happens on [Schedule Builder](#)
- If you can only get into one, or even no major classes, that's fine. All classes that you take now will give you useful credit toward your degree.

## Your First Quarter Recommendations

Check OASIS (<https://students.ucdavis.edu>, “exams” tab) for your placement into the following:

### 1. Entry Level Writing Requirement (ELWR)

Have you satisfied your Entry Level Writing Requirement?

- Yes: You do not have to take additional entry level writing classes, so move on to step #2.
- No: Complete the Writing Placement Survey online through MyAdmissions, then register for the course it recommends. Courses that satisfy Entry Level Writing Requirement can be found at: <https://elw.ucdavis.edu/elwr-at-davis> and at <https://elw.ucdavis.edu/multilingual-students> (for international students). If we have not received your test scores that would satisfy ELWR (<https://elw.ucdavis.edu/uc-davis>), resend these and check if ELWR is still required in Winter. *This is one of your top priority classes for Fall, as this requirement must be completed within your first three quarters.*

### 2. Choose 1-2 major classes. These are in approximate order of importance.

#### Math

- Major requirement: MAT 16A or 17A or 21A. It is highly recommended you take MAT 17A for the Geology major.
- You must complete the [Math Placement Requirement](#) before taking MAT 12, 16A, 17A, 21A, or 21M.
  - If you did not place into MAT 12 yet, contact your major advisor for course options.
  - You may take the Math Placement Exam in September and register for a math course now. Keep in mind you will be dropped from the math course if you do not earn a placing score.
- If you have AP or IB credit for MAT 16/17/21A or 16/17/21B, you may skip these classes and continue with math at the “B” or “C” level. It is highly recommended however to start at the “A” level.
- If you placed in a higher numbered course and want to take a lower numbered course, you may. Choose the course that best fits with your intended major.

Your Math Placement Exam total score: \_\_\_\_\_

Trigonometry sub-score: \_\_\_\_\_

Your eligible math course: \_\_\_\_\_

| Course    | Math Placement Exam Total Score | with | Trigonometry Sub-Score |
|-----------|---------------------------------|------|------------------------|
| MAT 12    | 25 or more                      |      | -----                  |
| MAT 16A   | 30 or more                      | with | 2 or more              |
| MAT 17A   | 30 or more                      | with | 2 or more              |
| MAT 21A   | 35 or more                      | with | 3 or more              |
| MAT 21M * | 40 or more                      | with | 3 or more              |

#### Chemistry

- Major requirement: CHE 2A or 4A. CHE 2A is the recommended course for the Geology major.
- You must complete the [Chemistry Placement Requirement](#) and earn a 24 or more to place into CHE 2A. Alternately, a C- or Pass or better in CHE 1V will make you eligible to take CHE 2A or 4A.
  - You can get additional chemistry preparation before taking the Chemistry Placement Exam by taking CHE 1V (offered online in Summer Session 2 or Fall for 3 units) or completing ALEKS (offered online Summer or Fall).
  - You may register for CHE 2A for Fall now, even you are not currently meeting the placement requirement. Keep in mind you will be dropped from CHE 2A if you do not earn a placing score on the Chemistry Placement Requirement in September or pass CHE 1V with a C- or Pass or better before you begin CHE 2A.

- If you do chemistry preparation in the Fall, it's recommended to take CHE 2A in the Winter. It's not offered in the Spring.
- If you have AP or IB credit for CHE 2A, you may move on to CHE 2B. It is highly recommended however that you take CHE 2A.

Your Chemistry Placement Exam score: \_\_\_\_\_

Your eligible Chemistry course: \_\_\_\_\_

**3. Add classes until you are at ~15 units (minimum 12 units).**

- Have you satisfied "American History & Institutions"?
  - Yes: no additional courses needed for "American History & Institutions"
  - No: You must satisfy the "American History & Institutions" requirement by the time you graduate by taking one of the classes listed [online](https://courseleaf.ucdavis.edu/undergraduate-education/university-degree-requirements/american-history-institutions-requirement/).  
<https://courseleaf.ucdavis.edu/undergraduate-education/university-degree-requirements/american-history-institutions-requirement/>
- General Education classes
  - See Aggie 101 and Canvas for a review of GE requirements
  - Search for interesting sounding non-science classes on Schedule Builder
  - Don't take General Education with "WE" attributes until you've satisfied ELWR
  - List some General Education courses from Schedule Builder that look interesting:

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- Lower Division [College English Composition Requirement](#)
  - Don't take General Education with "WE" attributes until you've satisfied ELWR
- [First-Year Seminars](#)
  - List some First-Year Seminars that look interesting., along with their five-digit CRNs:

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- Avoid courses you have AP or IB credit for. Use the [charts](#) online to find what credit you have:

| AP/IB Test | Score | UCD Course Equivalent | Duplicate Credit allowed at UC Davis? |
|------------|-------|-----------------------|---------------------------------------|
|            |       |                       |                                       |
|            |       |                       |                                       |
|            |       |                       |                                       |

- Avoid courses you have transfer credit for. Use [assist.org](#) to find what credit you have:

| Transfer institution | Transfer course | UCD Course Equivalent |
|----------------------|-----------------|-----------------------|
|                      |                 |                       |
|                      |                 |                       |
|                      |                 |                       |

**4. Check your schedule with your major advisor (optional)**

- Your major advisor (Mandy) is here to help you make sense of your academic requirements in college, among other things. Feel free to make an advising appointment to meet with her anytime at [appointments.ucdavis.edu](https://appointments.ucdavis.edu). Appointments are available in person or over Zoom or phone. It's not required to meet with an advisor before registering, but it can be very helpful.

- Self-check:
  - Are you in at least 12 units?
  - Are you in no more than 15 units?
  - Are you in only Lower Division courses (#1-99)?
  - If ELWR is required for you, did you prioritize it for Fall? If not, do you plan to take it in Winter or Spring?
  - Are you in no more than 1-2 major (STEM) classes?
  - Are your General Education classes non-science?
  - If you have not satisfied ELWR yet: do you have no classes with “WE” general education credit?
  - If you have AP credit, IB credit, or course credit from another college, have you checked that you are not duplicating credit for these classes?

## General Education for Geology majors

Geology Major courses  
\* = an option for the major

### General Education Requirement

| Topical Breadth   |                      |   |                      |                                    |                      |
|---|----------------------|---|----------------------|------------------------------------|----------------------|
| A. Arts & Humanities (AH):  |                      | B. Science & Engineering (SE):                |                      | C. Social Sciences (SS):           |                      |
| <input type="text"/>  | <input type="text"/> | CHE 2A  | 5                    | GEL 181*                           | 2                    |
| <input type="text"/>  | <input type="text"/> | CHE 2B  | 5                    | GEL 183*                           | 3                    |
| <input type="text"/>  | <input type="text"/> | MAT 21A                                       | 4                    | <input type="text"/>               | <input type="text"/> |
| <input type="text"/>  | <input type="text"/> | MAT 21B                                       | 4                    | <input type="text"/>               | <input type="text"/> |
| <input type="text"/>  | <input type="text"/> | PHY 7A or 9A                                  | 4-5                  | <input type="text"/>               | <input type="text"/> |
| <input type="text"/>  | <input type="text"/> | <input type="text"/>                          | <input type="text"/> | <input type="text"/>               | <input type="text"/> |
| <input type="text"/>  | <input type="text"/> | <input type="text"/>                          | <input type="text"/> | <input type="text"/>               | <input type="text"/> |
| 12-20 units   | <input type="text"/> | 12-20 units                                   | 20                   | 12-20 units                        | <input type="text"/> |
| <input type="checkbox"/> Satisfied  |                      | <input checked="" type="checkbox"/> Satisfied |                      | <input type="checkbox"/> Satisfied |                      |
| (AH) <input type="text"/> units + (SE) <input type="text"/> units + (SS) <input type="text"/> units = (52) units <input type="checkbox"/> Satisfied |                      |   |                      |                                    |                      |

| Core Literacies   |  |  |                                   |   |                      |
|---|--|--|-----------------------------------|---|----------------------|
| I. Literacy with Words & Images (20 units)              | II. Civic & Cultural Literacy (9 units)                | III. Quantitative Literacy (3 units)   | IV. Scientific Literacy (3 units) |   |                      |
| <b>a. College English Composition Requirement:</b>      | <b>a. American Cultures, Governance &amp; History:</b> | CHE 2A   | 5                                 | MAT 21A                                       | 4                    |
| <input type="text"/>                                    | <input type="text"/>                                   | <input type="text"/>   | <input type="text"/>              | <input type="text"/>                          | <input type="text"/> |
| 8 units, or the equivalent                              | 1. Domestic Diversity:                                 | 3 units  | 5                                 | 3 units                                       | 4                    |
| <input type="checkbox"/> Satisfied                      | <input type="text"/>                                   | <input checked="" type="checkbox"/> Satisfied  |                                   | <input checked="" type="checkbox"/> Satisfied |                      |
| <b>b. Writing Experience:</b>                           | 2. Other:  | <b>Summary</b><br>Topical Breadth:<br>A. Arts & Humanities <input type="checkbox"/> Satisfied<br>B. Science & Engineering <input checked="" type="checkbox"/> Satisfied<br>C. Social Sciences <input type="checkbox"/> Satisfied<br>Core Literacies:<br>I. Literacy with Words & Images <input type="checkbox"/> Satisfied<br>II. Civic & Cultural Literacy <input type="checkbox"/> Satisfied<br>III. Quantitative Literacy <input checked="" type="checkbox"/> Satisfied<br>IV. Scientific Literacy <input checked="" type="checkbox"/> Satisfied<br>Remaining GE Requirements: <input type="text"/><br><input type="text"/><br><input type="text"/><br><input type="text"/><br><input type="text"/><br><input type="text"/><br><input type="text"/><br><input type="text"/> |                                   |   |                      |
| GEL 105   | <input type="text"/>                                   |  |                                   |   |                      |
| 4   | <input type="text"/>                                   |  |                                   |   |                      |
| GEL 109L  | <input type="text"/>                                   |  |                                   |   |                      |
| 2   | <input type="text"/>                                   |  |                                   |   |                      |
| 6 units   | 6 units  |  |                                   |   |                      |
| <input checked="" type="checkbox"/> Satisfied           | <input type="checkbox"/> Satisfied                     |  |                                   |   |                      |
| <b>c. Oral Skills or Additional Writing Experience:</b> | <b>Total:</b><br>(II.a.1. + II.a.2.)                   |  |                                   |   |                      |
| GEL 108   | <input type="text"/>                                   |  |                                   |   |                      |
| 3   | 6 units  |  |                                   |   |                      |
| <input type="text"/>                                    | <input type="text"/>                                   |  |                                   |   |                      |
| 3 units   | <input type="checkbox"/> Satisfied                     |  |                                   |   |                      |
| <input checked="" type="checkbox"/> Satisfied           |  |  |                                   |   |                      |
| <b>d. Visual Literacy:</b>                              | <b>b. World Cultures:</b>                              |  |                                   |   |                      |
| GEL 103   | <input type="text"/>                                   |  |                                   |   |                      |
| <input type="text"/>                                    | <input type="text"/>                                   |  |                                   |   |                      |
| 3   | <input type="text"/>                                   |  |                                   |   |                      |
| 3 units   | 3 units  |  |                                   |   |                      |
| <input checked="" type="checkbox"/> Satisfied           | <input type="checkbox"/> Satisfied                     |  |                                   |   |                      |

Notes: With the possible exception of the courses satisfying the College English Composition Requirement, the same course may be counted toward both the Core Literacies and Topical Breadth components. Overlap is *not* permitted within either the Core Literacies or Topical Breadth components. Students in the College of Engineering must complete all GE coursework for a letter grade. Pass/No Pass grades will not be accepted.