UCSB Science Courses and Clinical Opportunities for which Honors Credit may be Earned

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<th>Course Code</th>
<th>Course Title</th>
<th>Instructor</th>
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<tr>
<td>Chem 2B</td>
<td>General Chem Honors — Leroy Laverman</td>
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<td>Chem 2BC</td>
<td>General Chem Honors Lab — Leroy Laverman</td>
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<td>Chem 2C</td>
<td>General Chem Honors — J. Herbert Waite</td>
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<td>Chem 2CC</td>
<td>General-Chem Honors — J. Herbert Waite</td>
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<tr>
<td>Chem 6BH</td>
<td>Organic Chem Lab — various faculty</td>
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<tr>
<td>Chem 6CH</td>
<td>Organic Chem Lab — various faculty</td>
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<tr>
<td>Chem 109AH</td>
<td>Organic Chemistry — various faculty</td>
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<tr>
<td>MCDB 1AH</td>
<td>Tau and Alzheimers Disease — Stuart Feinstein</td>
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<td>MCDB 1BH</td>
<td>Protein Function in Disease — Seng Hui Low</td>
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<td>MCDB 101AH</td>
<td>Tau and Alzheimers Disease — Stuart Feinstein</td>
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<td>MCDB 101BH</td>
<td>Genetic Mutations and Disease — Rolf Christoffersen</td>
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<td>MCDB 103H</td>
<td>Cell Bio — Jamey Marth</td>
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<td>MCDB 108AH</td>
<td>Developments in Biochemistry — Duane Sears</td>
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<td>MCDB 111H</td>
<td>Physiology of Human Diseases — Bill Smith</td>
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<td>MCDB 112H</td>
<td>Stem Cells and Therapy — Kathy Foltz</td>
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<td>MCDB 133H</td>
<td>Immunology — Duane Sears</td>
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<td>MCDB 135H</td>
<td>Oncogenesis—Kathy Foltz</td>
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<td>MCDB 139H</td>
<td>Medical Microbiology—David Low</td>
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<td>MCDB 151H</td>
<td>Neurobiology I — Carol Vandenberg</td>
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<td>MCDB 152H</td>
<td>Neurobiology II — Dennis Clegg</td>
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<td>MCDB 153H</td>
<td>Neurobiology III — Stuart Feinstein</td>
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<tr>
<td>PSTAT 5H</td>
<td>Intro to Sociology — various faculty</td>
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Note: To participate in the following opportunities, students must enroll in INT 184PD or INT 199H. Participation in INT 184PD is competitive, so students must understand that acceptance is not guaranteed. Students do not have to be part of the College of Letters & Science Honors Program to be eligible to participate.

INT 184PD: Sansum Clinic Shadowing Program

Location: Sansum Clinics, Santa Barbara

Only third- and fourth-year students may apply and prior clinical experience is recommended. A minimum 10 weeks time commitment is required. Candidates are selected during the middle of the preceding quarter. Unexcused absences will not be permitted. Pre-health students will shadow physicians in subspecialty clinics. The program will serve as a means to experience clinical medicine firsthand alongside subspecialty physicians, with a direct patient contact element. The student will rotate to a new practice location every two weeks in order to get a varied experience. Students shadow five physicians (each for two weeks) practicing a diverse set of specialties during approximately 80-90 patient encounters. In addition, students record each patient visit using the SOAP method of documentation to create informal, HIPAA-abiding reports for the program director. The physicians involved offer four hours of their time each week to educate pre-medical students on the profession while students benefit from valuable insight into a variety of approaches to patient care. This experience is not offered during the summer sessions.

In order to apply for the program, it is mandatory that you will be available Thursday afternoons from 1-5pm. If you will not, please do not apply.
INT 184PD : Cottage Hospital Shadowing Program

Location: Cottage Hospital, Pueblo at Bath Street, Santa Barbara

Only third- and fourth-year students may apply and prior clinical experience is required. A minimum 10 weeks time commitment is required. Candidates are selected during the middle of the preceding quarter. Unexcused absences will not be permitted. Pre-health students will shadow resident and attending physicians in internal medicine or surgery. This one quarter course will serve as a means to experience clinical medicine firsthand, alongside a team of resident physicians with direct patient contact. The student will arrange their schedule with the resident and must commit to a minimum of 8 hours each week for one quarter. This experience is not offered during the summer sessions.

Applying to Participate in the INT 184PD Opportunities

Prior to acceptance into one of the INT 184PD opportunities, students are required to submit the following information to the Health Science Advising Office via the prehealthinfo@ltsc.ucsb.edu email:

1) In the body of your email, please indicate
   a. to which program(s) you are applying: Sansum Clinic Shadowing, Cottage Hospital Shadowing, or both.
      i. If applying to the Sansum opportunity, you must be available on Thursdays from 1:00pm – 5:00pm.
      ii. If applying to the Cottage opportunity, you must be able to commit to a minimum of 8 hours of shadowing per week.
   b. UCSB Perm number
   c. The student-calculated cumulative GPA and BCPM (Biology, Chemistry, Physics, Math) GPA.
      i. To determine which science courses should be used to calculate the BCPM GPA, please utilize the AAMC’s Course Classification Guide, which can be found at https://students-residents.aamc.org/applying-medical-school/article/course-classification-guide/. Please be aware that science courses that fall outside of the BCPM are NOT to be calculated into this GPA, and instead should be calculated as part of the cumulative GPA.

2) Attach your up-to-date resume or C.V. with photo to the email

Note: Transfer coursework is not calculated into the UCSB Cumulative GPA, so transfer students and students who have completed coursework outside of UCSB will need to calculate those grades and units into the Cumulative and BCPM GPAs that are submitted. In order to standardize all grades and units earned, units earned at a school outside of UCSB that is on a semester schedule should be multiplied by 1.5. Additionally, courses that have been retaken must also be included along with the original grade earned. P/NP and W grades are not calculated into GPAs. Students are encouraged to use UCSB’s GPA Calculator in order to calculate their Cumulative and BCPM GPAs. The GPA calculator can be found here, https://www.duels.ucsb.edu/advising/policies/gpa-calculator.

Students will then be contacted by UCSB Health Science Advising to discuss steps moving forward.

An interview with our Clinical Experiences Coordinator is also required. The Coordinator will select participants based on advisor recommendation and individual qualifications. The selection of applicants is competitive. Assignments are made during the middle of the previous quarter.

If part of the College of Letters & Science Honors Program, students earn up to two graded honors units after successfully completing weekly logs of clinical observations and a case report. If students are not part of the Honors Program, then regular units will be awarded, upon completion of the same requirements.
INT 199H: UCSB – Medical Scribe Systems/Cottage Hospital Scribe Program

This program is acceptable for **199H Honors credit** for UCSB Pre-Health students who qualify and have been accepted to scribe.

**Location:** Santa Barbara Cottage Hospital Emergency Room.

Junior or Senior students may apply and prior clinical experience is recommended. The positions are competitive. A _minimum of 16 hours/week for a minimum of 12-24 months of time commitment is required._

**Application.**

Senior pre-health students will serve as scribes in the Emergency Room, directly assisting physicians as they see patients. The primary responsibility of the scribe will be that of data entry into the electronic medical record. As a medical scribe you’ll witness a multitude of patient cases every day – from sprained ankles to life-threatening injuries – giving you valuable clinical exposure to take with you to medical, nursing or PA school. For attendance purposes, students will be treated as employees, whose weekly presence will be vital and relied upon for clinic workflow. **Unexcused absences will not be permitted.**

To prepare you for the medical scribe role, you will receive extensive training online, in a classroom setting, and at the patient bedside. This involves:

- Online courses
- Interactive medical vocabulary quizzes
- Interactive videos to simulate patient scenarios
- 80% pass rate to continue to classroom training
- Classroom training at your designated medical facility
- Bedside training with a certified scribe trainer once you have passed classroom training

To be considered for the program, you must

- Be at least 18 years old
- Be eligible to work in the United States
- Have not been convicted of a felony
- Be willing and able to submit to a drug screening and background check
- Be able to type 50 words per minute
- Be willing to work nights, weekends and holidays

INT 199H: St John’s COPE Health Scholars Summer Internship

This program is acceptable for 199H Honors credit for UCSB pre-health students desiring to learn how to assist with basic care for patients alongside nurses, doctors and other clinicians. St. John’s Regional Medical Center is located at 1600 North Rose Avenue, Oxnard, CA and is accessible by car or train from UCSB. Students accepted into the Accelerated Summer Program are required to complete 280 floor hours in one rotation (3 months) and must complete a department-specific training and a shadowing shift prior to beginning their scheduled shifts. They will be scheduled for four to five 4 hour shifts per week (16-20 hours) based on their availability. Interns will complete their scheduling through a designated coordinator and will switch departments after they have completed 3 weeks in the department and at least 48 hours. Health Scholars will
begin in June and complete the program at the end of August. Scholars have the option to continue volunteering depending on their availability.

In order to apply, please do the following:

- Complete an online application
  - Applications are accepted year-round, so please take a look at the key dates and deadlines page
  - Applications for Summer will be due on March 31st.
  - Acceptances for Summer will be offered during the middle of the Spring quarter (around end of April)

- Attend the Clearance Appointment & Health Screening at the program site to submit required immunization/health records before attending mandatory training
- Attend mandatory 3-day training
- Pass post-training exams

199H Honors credit is available for the Summer Program only.

Earning INT 199H Credit

Students who have already been accepted as scribes or who currently work in an approved clinical position may be eligible to earn credit through the INT 199H course. After employment or an internship has been conferred, interested students should email Health Science Advising at prehealthinfo@ltsc.ucsb.edu to schedule an appointment with the Clinical Experiences Coordinator to discuss the requirements for earning INT 199H credit. Students earn up to two graded honors units after successfully completing weekly logs of clinical observations. If part of the College of Letters & Science Honors Program, students earn up to two graded honors units after successfully completing weekly logs of clinical observations. If students are not part of the Honors Program, then regular units will be awarded, upon completion of the same requirements.

For other clinical opportunities please go the Letters and Science Health Professions Website Volunteering and Internship Opportunities page.