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I. ACADEMIC INFORMATION

Graduate research is the cornerstone upon which an outstanding academic program is built. An important element of this research activity is how students interact with faculty. We strive for an environment within the BMEGG that nurtures and promotes collegial interaction between the graduate student body and the faculty. This is best achieved when graduate students are viewed as junior colleagues. We believe that such a spirit can flourish only when the faculty are clearly committed to providing outstanding dissertation/thesis advising, necessary financial support for the students, and the needed resources required for the active pursuit of research objectives. Graduate students, in turn, are expected to apply their intellectual and creative skills to achieve the advanced degree objectives set before them. The BMEGG is committed to the goal that all graduate students making satisfactory progress toward their degree objectives receive ample advising and adequate financial support.

The purpose of this document is to describe the degree requirements for the Ph.D. (Doctor of Philosophy) and M.S. (Master of Science) in Biomedical Engineering, outline the major milestones in each program, delineate the responsibility of the faculty and students in meeting the program’s policy objective, and to familiarize graduate students with graduate group procedures and policies. The official Degree Requirements approved by Graduate Council are posted on the BMEGG website and supersede any information contained within. If you have any questions, concerns or comments about this handbook please contact your Graduate Program Coordinator.

A. FACULTY RESOURCES

**Graduate Advisers:** The Graduate (Track) Advisers for Biomedical Engineering are a resource for all graduate students in biomedical engineering to provide information and advising on academic requirements, policies and procedures (Graduate Studies, College, and Program). A Biomedical Engineering Graduate Adviser’s signature is required on a number of important documents such as the student’s Program of Study, petitions related to coursework, Planned Educational Leave Program (PELP), annual student progress reports, and Advancement to Candidacy. The Graduate Advisers serve as intermediaries in issues related to student progress. Each incoming graduate class is assigned a Biomedical Engineering Graduate (Track) Adviser based on their research interest.

**Major Professor:** A student’s Major Professor is the faculty member who assists the student in preparing a detailed study program and in supervising the research that forms the basis for the preparation of the dissertation/thesis. The Major Professor serves as the chairperson of the student’s Dissertation/Thesis Committee and is in charge of the 290C and 299 research course work taken; however, the major professor does not Chair the student’s qualifying examination committee. The Major Professor must be a member of the Biomedical Engineering Graduate Group.

**Chair of the Graduate Group:** The Chair of the BMEGG serves to assist the Graduate Advisers, the Graduate Coordinator, and the BMEGG Executive Committee, in carrying out their duties with respect to graduate affairs. The Chair of the BMEGG serves as chair of the Graduate Admissions Committee and serves on the College Graduate Studies Committee.

**Graduate Coordinator:** The Graduate Coordinator in the Biomedical Engineering Graduate Group is a resource for faculty and graduate students. The Graduate Coordinator’s job is to ensure students receive the most up-to-date academic information, forms and answer any questions a student may have, no matter how complex, simple, or unusual they may be. The Graduate Coordinator interprets and implements policies and administers graduate activities for the BMEGG.
B. DOCTOR OF PHILOSOPHY DEGREE IN BIOMEDICAL ENGINEERING

The awarding of a Ph.D. acknowledges an individual’s ability to perform original and creative research. A graduate student pursuing a Ph.D. should be cognizant of the fact that a Ph.D. is not simply a matter of following the daily instructions of a Major Professor. A candidate for a Ph.D. is expected to demonstrate the ability to make independent and critical assessments of research in his/her field of study, be capable of proposing original ideas and translating these ideas into hypotheses that can be tested through experiments or theory. The candidate for a Ph.D. is also expected to communicate his/her original research in written and/or oral forms in professional venues.

1. General Requirements

The doctor of philosophy degree in biomedical engineering will be awarded upon completion of the required course work described below (and approval of the program of study), passing the program Ph.D. preliminary exam, passing the qualifying examination, passing the dissertation defense, and approval of a dissertation by the student’s dissertation committee. The Ph.D. program in Biomedical Engineering is typically a five year program and a minimum of six quarters of academic residence is required. A student is in academic residence when enrolled in at least 4 units of approved upper division or graduate courses, including research. Enrollment in at least 4 units of upper division or graduate level courses during two summer sessions may be counted as the equivalent of one quarter of academic residence. However, students must enroll for a minimum of 12 units per quarter to be considered in full-time status. Residence for the M.S. degree can be used to satisfy requirements for a doctoral degree. Arrangements can also be made to satisfy part of a residence requirement by study on another campus of the University of California.

2. Course Work Requirements

Course work requirements for the Ph.D. program specify 40 units of letter-graded courses plus 10 units of additional course requirements for a minimum of 50 units. Of the 40 letter-graded units, 17 units are core graduate course and 23 are elective units, exclusive of seminar and research course work units. At least 20 of the 40 units must be graduate courses. See Section I-D for a discussion of transfer credit from other universities. The course work taken by a Ph.D. student to satisfy these requirements is listed on the student’s Program of Study. All courses listed on the Program of Study must be taken for a letter grade. The minimum acceptable grade in any course is a B- and the minimum overall GPA is 3.50.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>Quarter</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIM 202</td>
<td>Cell and Molecular Biology for Engineers</td>
<td>4</td>
<td>Fall</td>
</tr>
<tr>
<td>BIM 204</td>
<td>Physiology for Bioengineers</td>
<td>5</td>
<td>Fall</td>
</tr>
<tr>
<td>BIM 281</td>
<td>Acquisition and Analysis of Biomedical Signals</td>
<td>4</td>
<td>Spring</td>
</tr>
<tr>
<td>BIM 284</td>
<td>Mathematical Methods for Biomedical Engineers</td>
<td>4</td>
<td>Winter</td>
</tr>
</tbody>
</table>

All registered graduate students who have not yet advanced to candidacy must enroll in BIM 290 Seminar each quarter during their graduate study; a passing grade will be contingent upon satisfactory attendance at the seminars. **It is highly recommended for graduate students who have passed the qualifying exam to continue to attend seminar regularly.** A student performing research off-site may request an exception to BIM 290 by writing a letter to the Graduate Program Coordinator. Once a Major Professor has been designated, students should enroll in 299, Graduate Research, and 290C, Graduate Research Group Conference. Students who enter the program with an assigned Major Professor may begin their research immediately. The minimum number of hours a student is expected to devote to 299 courses...
is about three hours of research per week per unit of 299. Course 299 may also be used to prepare for the Ph.D. preliminary evaluation or qualifying examination. 290C is a one-unit conference course designed to allow students to discuss their research progress with their Major Professor in a group setting on a regular basis. Students are expected to complete Scientific Communication (BIM 298), Scientific Integrity for Biomedical Engineers (BIM 209) and Teaching Assistant Training Practicum (BIM 396) prior to Advancement to Candidacy.

Courses in addition to those needed to satisfy degree or program requirements (i.e., courses not included in the Program of Study) may be taken on a satisfactory/unsatisfactory grading basis if they are exploratory in nature. However, in accordance with Graduate Council policy, only one course per quarter may be taken on this basis.

3. Selection of a Major Professor

One of the most critical decisions that a student makes in her/his career is the selection of a Major Professor. The selection of a Major Professor and a research topic is an important decision and requires careful thought because the dissertation research is the principal activity of a graduate student, and often determines the future career directions of the student. Outlined below is the procedure to be followed:

(i) All first-year graduate students are eligible and encouraged to arrange rotations with individual faculty to explore their lab opportunities. Rotations may take the form of formal research projects, participation in lab group meetings, shadowing current students in the lab, literature review of a specified topic, etc.

(ii) Students should commit to a lab before the beginning of Spring Quarter and confirm this selection with the Graduate Program Coordinator.

(iii) After a student has committed to a lab, the student should regularly register for BIM 299 with her/his Major Professor.

4. Ph.D. Preliminary Examination (currently waived)

The Ph.D. preliminary examination is the first evaluation of prospective Ph.D. students by the BMEGG. It is a comprehensive test of fundamental concepts based on the content of prerequisite coursework. The purpose of this exam is to test the student’s ability to integrate information from and to solve analytical problems. The examination is graded by appropriate faculty in the BME Graduate Group. Possible grades are pass, retake (once only), and fail.

5. Qualifying Examination (QE)

After passing the Ph.D. preliminary evaluation the student should immediately begin preparing for the qualifying examination administered by a faculty committee approved by the Dean of Graduate Studies. It is designed to assess a student's potential for completing dissertation research that will be of sufficient quality to merit publication in a peer-reviewed journal. The qualifying examination is required at the time that a student has completed all (or is taking the final one or two) courses listed on the Program of Study and the Program of Study has been approved by the Major Professor and the Graduate Adviser. A GPA of 3.5 in graduate course work is required in order to take the qualifying examination.

Students must complete an Application for Qualifying Examination (see http://gradstudies.ucdavis.edu/forms/index.html) and submit this form at least three months before the anticipated exam date. This form must be approved by Graduate Studies and the Qualifying Examination Committee formally constituted before the exam can take place. A student must not take the qualifying examination prior to receipt of the Notice of Admission to the Qualifying Examination from Graduate Studies. It takes approximately two weeks for Graduate Studies to process the application.
The Qualifying Examination Committee ordinarily consists of five members with at least one member being appointed from outside the BMEGG; the chairperson of the committee must be a faculty member in the program. Students must be registered for the quarter in which they take the qualifying examination. Once a time and a date have been agreed upon by the student and the committee members (the student coordinates the scheduling and room reservations), the application must be submitted.

(i) At least two to four weeks prior to the qualifying examination, the student must submit to the Qualifying Examination Committee a written research proposal (approved by the Major Professor). The written proposal should be styled like an NIH formatted research proposal, 0.5” margin all around, no more than 13 pages (first page is the Specific Aims page, next 12 allocated to research proposal including figures but excluding references), 11 point Arial font, single space.

(ii) The student should meet with each nominated QE committee member at least once before the scheduled examination. Frequency, duration, and number of meetings between an individual committee member and the student are decided by those two individuals. The purposes of the meetings should be to understand the committee member’s expectations for the student's performance on the QE, to identify relevant material and approaches for preparation, and to familiarize the faculty with the student's proposed research.

(iii) The format of the qualifying examination will consist of a 30 minute presentation by the student in which the qualifying exam committee may ask proposal-related questions followed by general questions in the exam areas, and feedback by the Committee.

(iv) A committee, having reached a unanimous decision, shall inform the student and the student’s graduate adviser of its decision as “Pass” (no conditions will be appended to this decision), “Not Pass” (the Chair of the qualifying exam committee will notify the student within a week whether he/she is required to retake all or part of the examination, list any additional requirements, and state the exact timeline for completion of requirements to achieve a “Pass”, preferably within 6 months) or “Fail”. After a second examination, a vote of “Not Pass” will not be given; only “Pass” or “Fail” is recognized. Only one retake of the qualifying examination is allowed.

(v) Upon successful completion of the qualifying examination, each student must file an official application for Advancement to Candidacy. When the form has been completed by the student and signed by the Graduate Program Adviser and Major Professor, the student pays a candidacy fee at the Cashier’s Office in Dutton Hall and submits the form through the Graduate Program Coordinator to Graduate Studies for approval.

6. The Ph.D. Dissertation

A dissertation on a subject chosen by the candidate and Major Professor, bearing on the principal subject of study, and of such character as to show ability to pursue independent investigation, must be approved by the Dissertation Committee before the degree will be recommended. The doctoral dissertation must be an original and substantial contribution to knowledge in the student's major field. It must demonstrate the ability to carry out a program of advanced and independent research and to report the results in accordance with standards observed in recognized peer reviewed scientific journals.

7. Defense Seminar and Final Examination

The BMEGG requires that each student present a seminar in defense of his/her research to interested faculty, students, and their Dissertation Committee. Notification of the seminar to faculty and students must be given at least two weeks in advance; this is arranged through the Graduate Program Coordinator. All members of the Dissertation Committee must be in attendance. Following the open presentation, the audience will be excused and the committee will continue to examine the student regarding the presentation and dissertation work. The Chair of the Dissertation Committee completes the Plan C Defense Form and submits it to the Office of Graduate Studies prior to the filing of the dissertation.
8. **Filing the Dissertation**

Filing of a dissertation with Graduate Studies is the last requirement to be satisfied by candidates for advanced degrees. The deadlines and information for completing this requirement are listed for each quarter on the Graduate Studies web site: [http://gradstudies.ucdavis.edu/students/degree_candidates.html](http://gradstudies.ucdavis.edu/students/degree_candidates.html). A candidate must be a regularly registered student or on Filing Fee status at the time of filing a dissertation, with the exception of the period between the end of the spring quarter and the beginning of the fall quarter.

9. **Commencement**

Graduate Studies, together with the Graduate Council and the Graduate Student Association hosts graduate commencement, always colorful and festive. The ceremony is held the evening of the last Thursday of spring quarter at the University ARC Pavilion. A reception is held immediately following the ceremony for the degree recipients, candidates, faculty, family, and friends.

If you receive your graduate degree in September, December, March or in June, you are eligible and welcome to participate in the commencement. If you are close to completion and will not be in Davis the following June, you are also eligible and welcome to participate. Graduate Studies will send information about commencement in February.

Any student who will receive a degree in March, June or September, or who expects to receive a degree in September, will eligible and welcome to participate in June commencement ceremony with a completed Commencement Release Form.

10. **Summary of Milestones for Ph.D. in Biomedical Engineering**

The milestones described below are designed to help students finish their degree requirements for the Ph.D. within five years. This is the framework that will be considered when making evaluations for satisfactory progress.

**First Year**

(i) If you are a citizen or permanent resident of the United States, but not a California resident, **you must prove your intent to make California your home by severing your residential ties with your former state of residence and establishing those ties with California shortly after arrival.** Please review the legal ties need to become a California Resident at [http://registrar.ucdavis.edu/html/slr.html#intent](http://registrar.ucdavis.edu/html/slr.html#intent) (September).

(ii) Begin course work for the degree (fall, winter, spring).

(iii) Commit to a Major Professor and lab before the start of Spring Quarter. Confirm the selection with the Graduate Program.

(vi) Take Ph.D. Preliminary Evaluation (January).

(vii) Begin research on dissertation topic (winter, spring, summer).

(viii) Citizen or permanent resident of the United States, but not California resident, have you submitted your [Statement of Legal Residence Form](http://registrar.ucdavis.edu/html/slr.html#intent)? (July).

**Second Year**

(i) Changes (if any) to the Program of Study to the Graduate Program Coordinator (Sept 15).

(ii) Complete course work for the degree [fall, winter, spring or fall (holders of M.S. degrees)].

(iii) Apply to take Qualifying Exam.

(iv) Complete research proposal for Qualifying Examination.

(v) Take Ph.D. Qualifying Examination.
(vi) Submit Advancement to Candidacy Application.
(vii) Dissertation research (fall, winter, spring, summer).

Third Year
(i) Dissertation research (fall, winter, spring, summer).
(ii) Optional course work for breadth.
(iii) Meet with Dissertation Committee to consolidate dissertation objectives and discuss progress toward degree.

Fourth Year
(i) Dissertation research (fall, winter, spring, summer).
(ii) Optional course work for breadth.
(iii) Meet with Dissertation Committee to consolidate dissertation objectives and discuss progress toward degree.

Fifth Year
(i) Complete dissertation research (fall, winter, spring)
(ii) Present defense seminar and complete final examination (spring, summer).
(iii) File dissertation (spring, summer).

11. Responsibilities of Major Professors
(i) It is the responsibility of the Major Professor to inform the student of available funding and make every effort to provide support for a student making satisfactory progress.
(ii) The Major Professor must provide graduate students with specific requirements for achieving their desired degree objective. This includes advice on courses for the program of study, a method of evaluation of student progress in research, and the faculty member's expectations for time spent on research for a given number of research units. In essence, the student and the Major Professor should collaboratively "define success" for the project chosen.
(iii) The Major Professor and graduate student should arrive at and maintain a mutually agreeable schedule of advising conferences, including an annual review on the progress, direction, and duration of the project. The result of this annual review should take the form of a written report to the student (placed in the student's file) summarizing the review. The annual progress report can be used for this purpose.
(iv) It is the responsibility of the Major Professor to ensure that the objectives regarding time-to-degree, outlined in this handbook, are attainable. This shall include, but not be limited to, meeting with the student and the dissertation committee after the student's qualifying examination to discuss points raised by the Qualifying Examination Committee regarding the direction of the research, and meeting with the student and the Dissertation Committee each year after advancement to discuss the progress of research and what must be accomplished to complete the degree.
(v) It is the responsibility of the Major Professor to inform the graduate student if extramural funding for the student's research project is in jeopardy. At least six months advance notice should be given to the student so that other funding alternatives can be explored.
12. Responsibilities of Doctoral Students

(i) The goal of the program is that each student should have the opportunity to complete all degree requirements (from coursework to defense) within fifteen academic quarters (not including summers) if they enter the graduate program at Davis with all prerequisites met, or twelve academic quarters if they enter with an M.S. Degree in a related subject. It is noted that individual time-to-degree goals may vary due to the nature of advanced research. This framework should serve as a guideline under which the Major Professor and the student can work together toward timely completion of the dissertation requirements.

(ii) For all students, satisfactory progress consists of:
   a. taking required courses in the specified sequence (including BIM 290);
   b. taking and passing the Ph.D. preliminary exam during the first year of residency;
   c. obtaining satisfactory grades in 290C and 299 (also indicated by satisfactory on annual student progress report forms);
   d. taking and passing the qualifying exam by the end of the spring quarter of the third academic year;
   e. maintaining an overall GPA > 3.00 (the BMEGG requires Ph.D. students to maintain an overall GPA >3.5);
   f. completing all degree requirements within fifteen academic quarters beyond the B.S. or twelve academic quarters beyond the M.S. If a Ph.D. project extends beyond fifteen quarters, the student may still be considered as making satisfactory progress, if so determined by the Major Professor and the Dissertation Committee.

(iii) All students review the annual progress report with their Major Professor, Graduate Adviser, and Dissertation Committee and submit to the Graduate Coordinator. These reports along with the course grades are used to facilitate communication between the student, Major Professor, and the adviser regarding advancement toward degree objectives.

(iv) Graduate students are encouraged to present their research routinely at research group meetings.

13. Support

The BMEGG goal for doctoral student funding for those making satisfactory progress is to provide a competitive annual stipend. Financial offers can be achieved through a combination of GSR, TA/Reader, and Fellowship awards. However, it is the responsibility of the Major Professor, not the BMEGG, to make all possible efforts to ensure that the commitment to the graduate student is met. All graduate students (U.S. citizens and permanent residents only) are required to file the Financial Aid for Students Application (FAFSA) by March 2 to receive priority consideration for fellowships, GAANN Fellowships, loans, and Work-Study funds that pay Graduate Student Researcher salaries. The FAFSA is available online at: http://www.fafsa.ed.gov. The UC Davis School Code is 001313.

Stipends to continuing students will be made by Major Professors on the basis of academic and research achievements at Davis, performance of assigned duties, promise of future productivity, and the demonstration of satisfactory progress as described above. The stipend is increased, by assigning the student to a higher percentage, after the student passes the Ph.D. qualifying examination and advances to candidacy. The principal source of these stipends will always be extramural funding. Obtaining such support for his or her graduate students must be the primary objective of each faculty member's research activities.

Students must make satisfactory progress toward their degree objectives to be eligible for continued support.
Individual Faculty

Graduate Student Researcher positions are usually funded through extramural grants and contracts.

University

University Fellowships and Centrally Administered Fellowships for continuing students are available on a competitive basis through the Office of Graduate Studies or campus research units/centers.

Department

Teaching Assistantships (TAs), Associate-Ins (AIs), and Readerships are available. These are generally assigned on a quarter-to-quarter basis from funds allocated to a Department by the University.

BMEGG

Biomedical Engineering Fellowships are typically given to incoming students and are not available to continuing students. Work-Study units are allocated to the BMEGG by OGS and supplement GSR appointments provided by individual faculty.

If a graduate student is not meeting the Major Professor’s expectations for timely progress toward achieving an advanced degree as reflected in poor progress report(s) and/or unsatisfactory grade(s) in BIM 299, the Major Professor has the right to terminate extramural funding. However, the graduate student must be informed in writing at least three months in advance that this is being considered, and the student must be informed of the conditions that must be met to avoid termination of funding. Circumstances may arise that require funding to be terminated with less than three month’s notice, e.g., change of Major Professor, request for PELP, or gross neglect of graduate studies. If less than three month’s notice is to be given, the Chair of the Graduate Group and the student’s Graduate Adviser must be apprised of this action by the Major Professor before such action is taken.

14. Changing Major Professors

The BMEGG recognizes that there may be valid reasons for a graduate student to want to change his/her Major Professor, e.g., lack of funding, personality conflicts, change in the direction of dissertation project, or resignation of the Major Professor from the faculty. If a student should choose to request a change in Major Professor, the BMEGG will make every effort to be helpful and to ensure that this is not a traumatic experience for the student. However, a change in Major Professor may increase the time required to completion of the degree and funding is not guaranteed.

The following procedures should be followed when a graduate student wants to change his/her Major Professor:

(i) The graduate student must inform his/her Graduate Adviser in writing and give reasons for the requested change. If the Graduate Adviser is the student’s research adviser, then the Chair of the Graduate Group will assume this role.

(ii) The Graduate Adviser must meet with the student within one week of receipt of the written notice to discuss options available to the student and the possible consequences if the request is acted on, e.g., possible change in student stipend, time-to-degree, lab space, office space, etc. The Graduate Adviser will provide the student with a written summary of these discussions, and the student must acknowledge in writing that he/she understands the implications that may result from a change in major professor. The student has one week following the meeting with the Graduate Adviser to decide whether to proceed with a change in Major Professor, or request mediation to resolve any conflict with the Major Professor. All discussions between the student and the Graduate Adviser shall be confidential to this point.

(iii) If, after the Graduate Adviser has explored all the options available and discussed them with the student, the student still wants to proceed with the request, the Graduate Adviser will inform the student's current Major Professor and the Chair of the Graduate Group, and then help the student identify a new Major Professor.
(iv) Once a new Major Professor is identified, the student must be informed in writing what the dissertation topic will be, the status of extramural funding and the expected time-to-degree.

(v) The former Major Professor must be informed of the dissertation topic so that any questions regarding intellectual property rights can be addressed before the student begins his/her new research.

(vi) Concerns regarding intellectual property rights and obligations to funding agencies should be resolved by the faculty members involved before the student begins work on his/her new dissertation topic. If the faculty members cannot resolve these matters, the relevant Department Chair(s) will review the facts and recommend further action. This may involve the appointment of an ad hoc committee of three objective third-party members, including two possibly from other departments and one from the office of legal counsel on campus. Every effort should be made to resolve these issues expeditiously so that the student can proceed with his/her dissertation.

(vii) Once the new Major Professor has been assigned to the student, all responsibility for the student's funding, laboratory space, office space, and advising will be transferred to the new Major Professor. The graduate student is responsible for completing the orderly transition which may include return to the former adviser of all lab notebooks, research records and reports including computer programs, experimental data, equipment, biological materials, and lab supplies associated with the former research project. The graduate student will be allowed to have access to data and other pertinent information in the lab notebooks and/or other research records if required for dissertation preparation or for publication purposes. Upon completion of the transition tasks, the former Major Professor should transmit a signed note to the Graduate Adviser to notify him/her of the satisfactory completion of the transition.

(viii) The above procedures may be followed when a faculty member resigns from the BMEGG or is unable to carry out the necessary advising responsibilities because of a serious illness, or death. If the major professor should resign and assume a position at another university, the student may have the opportunity to finish his/her research at this other university.

15. **Probation and Disqualification**

Graduate students are subject to probation if their progress is judged unsatisfactory in their annual progress report or quarterly 299 grade, or if in any quarter, their cumulative grade point average is below 3.0, or if they accumulate more than 8 units of incomplete (I) or unsatisfactory (U) grades. The Dean of Graduate Studies will inform the student he/she is on probation and what must be done to return to regular status. A student is subject to disqualification if he/she cannot meet the requirements to return to regular status. Students cannot be advanced to candidacy if they are on probation. Disqualification of graduate students is at the discretion of the Dean of Graduate Studies as discussed in the Graduate Student Guide.

C. **MASTER OF SCIENCE DEGREE IN BIOMEDICAL ENGINEERING**

The Master of Science degree program allows students to take advanced course work and develop the skills necessary to complete an independent research project. For the Master of Science degree, students must be in residence for a minimum of three quarters. A student is in academic residence when enrolled in at least 4 units of approved upper division or graduate courses, including research. However, students must enroll in a minimum of 12 units to be considered in full-time status. Two regular six-week summer sessions may be counted as the equivalent of one quarter. Arrangements can be made to satisfy part of a residence requirement by study on another campus of the University of California.
1. Course Work Requirements

A Master of Science degree may be awarded upon completion of either one of two basic plans: Plan I (thesis plan) and Plan II (non-thesis plan).

**Plan I.** For the Master of Science in Biomedical Engineering, Plan I, a total of 30 units of course work and a thesis are required. Of these 30 units, 28 must be in upper-division and graduate courses, exclusive of seminar and research units. 17 of the 28 units will come from the four required core graduate biomedical engineering courses listed in Section I-B-2. These courses must be taken for a letter grade. The remaining 11 units must be earned in upper division or graduate level courses (100 level or above), exclusive of seminar and research units. See Section ID for a discussion of transfer credit from other universities.

Although course work for the Master of Science degree can be completed in three quarters of full-time study, at least one calendar year to six quarters of full-time study is usually required to complete the M.S. thesis.

**Plan II.** Plan II requires 38 units of course work (exclusive of research and seminar courses), and passing the MS Comprehensive Examination. Of these 38 units, 36 must be in upper-division and graduate courses, exclusive of seminar and research units. 17 of the 28 units will come from the four required core graduate biomedical engineering courses listed in Section I-B-2. These courses must be taken for a letter grade. The remaining 19 units must be earned in upper division or graduate level courses (100 level or above), exclusive of seminar and research units. See Section ID for a discussion of transfer credit from other universities.

**Coursework Guidelines for Plan I and Plan II**

The minimum acceptable grade in any course is a B- and the minimum overall GPA is 3.00. All registered graduate students must enroll in BIM 290, Seminar, each quarter prior to advancement to candidacy; a passing grade will be contingent upon satisfactory attendance at the seminars. After choosing a Major Professor, students should also enroll in 299, Graduate Research and 290C, Graduate Research Group Conference. The number of hours a student is expected to devote to 299 courses is at least three hours of research per week per unit of 299. BIM 299 may also be used to prepare for the Ph.D. preliminary examination or qualifying examination. 290C is a 1-unit conference course designed to allow student groups to discuss their research progress with their major professor and research group on a regular basis.

The goal of the BMEGG is that each student should have the opportunity to complete all degree requirements (course work and thesis defense) within six academic quarters (not including summers) if they enter the graduate program at Davis with all prerequisites completed.

Courses in addition to those needed to satisfy degree or program requirements may be taken on a S/U grading basis by either master's or doctoral students. However, in accordance with Graduate Council policy, only one course per quarter may be taken on this basis, and it must be exploratory in nature.

2. Selection of a Major Professor, Plan I

The same guidelines as described in Sections I-B-3 and I-B-14 for initial selection and changing Major Professors are followed for M.S. students, although the choice of research projects/major professors will be different due to the more limited scope of the M.S. research project and no funding guaranteed.

3. Thesis Committee Selection, Plan I

The Major Professor serves as the chairperson of this three-member committee. At least two of the Guidance and Reading Committee members must be a member of the Biomedical Engineering Graduate Group. The committee membership is proposed by the student, in consultation with the Major Professor; this information is included in the Application for Advancement to Candidacy. The committee members may be Senate faculty from any department at UC Davis, as appropriate.
4. Advancement to Candidacy, Plan I

Students must file an Application for Advancement to Candidacy with Graduate Studies after completion of at least one-half of the degree requirements and at least one quarter before completion of all requirements. Application for advancement to candidacy may be made only if the GPA average is a 3.0.

5. The Master of Science Thesis, Plan I

The students are expected to begin work on their research immediately after they have chosen a Major Professor and determined a topic. New students should begin consultations with individual faculty members during their first quarter to discuss research topics. It is critical that the M.S. student complete course work and research in a timely manner to finish within six academic quarters.

6. Filing the Thesis, Plan I

Filing of a thesis with Graduate Studies is the last requirement satisfied by candidates for advanced degrees. The deadlines and information for completing this requirement are listed for each quarter on the Graduate Studies Web Site [https://gradstudies.ucdavis.edu/students/calendar.html](https://gradstudies.ucdavis.edu/students/calendar.html). A candidate must be a registered student in good standing or on filing fee status at the time of filing a thesis, or taking a comprehensive examination with the exception of the period between the end of the spring quarter and the beginning of the fall quarter.

7. Commencement

This information is described in Sections I-B-9.

8. Summary of Milestones for the M.S. in Biomedical Engineering (Plan I)

First Year

(i) If you are a citizen or permanent resident of the United States, but not a California resident, you must prove your intent to make California your home by severing your residential ties with your former state of residence and establishing those ties with California shortly after arrival. Please review the legal ties need to become a California Resident at [http://registrar.ucdavis.edu/tuition/residence/index.cfm#intent](http://registrar.ucdavis.edu/tuition/residence/index.cfm#intent) (September).

(ii) Complete required course work (fall, winter, spring).

(iii) Commit to a Major Professor and lab before the start of Spring Quarter. Confirm the selection with the Graduate Program.

(iv) Initiate research on thesis (winter, spring, summer).

(v) Citizen or permanent resident of the United States, but not California resident, have you submitted your [Statement of Legal Residence Form](#)?(July).

Second Year

(i) Submit Advancement to Candidacy Application (fall).

(ii) Complete research (fall, winter, spring).

(iii) Thesis presentation (spring).

(iv) File thesis with Graduate Division (spring).
9. Responsibilities of the Major Professor (Thesis Chair)

The responsibilities of the Major Professor are the same for M.S. students as for Ph.D. students (see section I-B-11).

10. Responsibilities of the Student (Plan I and Plan II)

(i) For all students, satisfactory progress consists of:
   a. Taking required courses in the specified sequence and “satisfactory” performance in BIM 290, 290C, and 299 (also indicated by satisfactory on annual student progress report forms).
   b. Maintaining an overall GPA > 3.00 in all upper division and graduate courses taken during residence as a graduate student at UC Davis.

(ii) All students review the annual progress report with their Major Professor, Graduate Adviser, and Thesis Committee and submit to the Graduate Coordinator. These reports, along with the course grades, are used to facilitate communication between the student, Major Professor, and the adviser regarding advancement toward degree objectives.

11. Support

The BME Graduate Group is unable to guarantee financial support for students pursuing a M.S. degree. However, depending on individual interests and needs, some support may be available through a Graduate Student Researcher, Teaching Assistantship, or a Fellowship. If the admission letter indicates guaranteed financial support, the financial offer is subject to making satisfactory progress toward the M.S. degree and working with a Major Professor on a funded project.

D. TRANSFER OF CREDIT FROM OTHER INSTITUTIONS

Ordinarily, students entering the graduate program at UC Davis with a Bachelor’s degree will perform all work for the graduate degree in residence on the Davis Campus. However, it is recognized that some entering students have already completed advanced and graduate coursework beyond the requirements for their Bachelor’s degrees. In these cases, advanced and graduate work taken elsewhere may be credited toward the degree at UC Davis as specified below.

Doctoral Program

Course work taken at other academic institutions is not transferred to a student's UC Davis graduate record, although that course work may be applied to the student’s Program of Study. Under normal circumstances, the BMEGG requires the doctoral student to complete the 40 units of course work listed on the Program of Study at UC Davis. The limit for such transfer credit is 8 units from another institution with permission of the student’s Graduate Adviser. However, entering students with M.S. degrees or extensive completion of advanced and graduate course work may apply 20 units from another institution with permission of the Graduate Adviser.

Transferred units will not be accepted if they were used in the satisfaction of the requirements of a bachelor degree or if they constitute units from a core undergraduate biomedical engineering course. If the content of the transferred course is similar to a currently offered Biomedical Engineering Core Course, as verified by the current instructor, the student may be excused from taking the core course and list the transferred course on the Program of Study.
Master's Program

A student transferring to UC Davis during a master's program may be allowed a maximum of 6 quarter units of credit for appropriate courses taken elsewhere. Credit so allowed cannot be used to reduce the minimum number of graduate course units (200 series) required for the M.S. degree. A student from another campus of the University of California may be allowed credit for up to 6 units required for the M.S. degree for courses taken at the other campus.

An undergraduate course required for the B.S. degree cannot be used to fulfill the M.S. course work requirements. However, upper division undergraduate courses which are not used to fulfill any B.S. requirements may be applied to the M.S. degree requirements.

There are additional Graduate Studies transfer credit regulations. These include:

a. Units of work taken other than at the University of California may not be used to reduce the minimum residence requirements or the 12-unit minimum requirement in the 200-series courses taken at the University.

b. Students who have been accepted into a double major program may transfer a total of 12 units overall between academic programs with the approval of the Graduate Adviser and the Dean of Graduate Studies.

c. Requests for transfer credit should be made before advancement to candidacy. The Graduate Adviser should make a request to the Dean of Graduate Studies specifying the units and courses involved.

d. Units to be so counted must have been taken at an accredited institution.

E. RESIDENCE AND REGISTRATION REQUIREMENTS

Registration Policies

Upon matriculation in a particular program, students are expected to register continuously until completion of the degree. However, leaves are readily granted for reasons such as illness, family problems, and uncertainty regarding educational goals. If you do not register, and fail to have a leave approved, you are not guaranteed readmission at a later date.

Enrollment Policies

Students are expected to enroll each quarter for an academically appropriate number of units. A minimum of 12 units of upper division or graduate courses per quarter are required to be considered a full-time student. Units of 299 may be assigned for students carrying out supervised research or preparing for the Ph.D. preliminary evaluation or the qualifying examination, and count toward the minimum 12 unit requirement.

F. FILING FEE STATUS

Doctoral and master’s candidates will normally file a final approved copy of their dissertation or thesis with Graduate Studies during their final quarter of residence on campus and must be registered at this time. Students who have completed all degree requirements, including all laboratory work and the preparation of a draft of their dissertation/thesis, and who may not require an additional quarter in residence to prepare the final dissertation/thesis manuscript, are eligible to pay a reduced fee (for the filing of a dissertation/thesis or a formal final examination) rather than registering as a regular student. Importantly, the request to enter filing fee status must be granted first by the Chair of the BMEGG, and then the Dean of Graduate Studies. For the Filing Fee forms, see http://www.bme.ucdavis.edu/graduate/student-info/general-information/

To prevent abuses of the Filing Fee procedures, definite limitations on eligibility have been established. Students in non-registered status, Filing Fee, will be allowed one quarter of academic employment without request for exception. Exceptions beyond this one-quarter period rarely will be granted. Students are also in non-registered status when on PELP (Planned Education Leave Program), but students may not hold an academic
appointment. Students are ineligible for PELP or Filing Fee if they are using University facilities to perform their research. Doctoral students must have completed **all** of their research to be eligible for filing fee status. In general, these limitations are based upon the principle that students using University facilities or faculty time, other than the time involved in the final reading of a dissertation or thesis, are not eligible to employ the filing fee procedure. Students paying only the filing fee are not registered students eligible for the privileges accorded regularly enrolled students. In particular, students on Filing Fee status may **not**:

1. Use any University facilities (e.g., Health Center, Housing, Library, **ARC** (Recreational and Activities Center), laboratories, desk space, etc.). However, you may purchase a library card, if you wish. During a non-registered quarter you are responsible for purchasing your own health insurance. Contact **Student Health & Counseling Services**;
2. Make demands upon faculty time other than the time involved in the final reading of the thesis/dissertation;
3. Receive a fellowship or financial aid;
4. Take course work of any kind;

Students who plan to make use of library or other facilities or to take courses must register as regular students. Students who plan to be away from the campus but in an instructional relationship with faculty members must register as regular students (a student outside the State of California may be eligible to register for reduced fees). Students planning to take qualifying examinations for the Ph.D. degree must register as regular students. If you have already enrolled in courses, including 299 research units, for the quarter Filing Fee will begin, it is your responsibility to drop those courses and withdraw from the quarter by submitting an approved Filing Fee Petition prior to the first day of the quarter for which you wish to go on Filing Fee. Failure to do so will result in a financial obligation.

**G. PELP/FILING FEE & THE STUDENT HEALTH INSURANCE PROGRAM (SHIP)**

**Student Health & Counseling Services** provides the Student Health Insurance Program (SHIP) to all students as part of their student tuition payment. Registered students may opt out of SHIP if they have access to an independent health insurance plan. Since students on PELP or Filing Fee do not pay fees and tuition, they are not automatically entitled to SHIP and are eligible to purchase SHIP for only one quarter of PELP or Filing Fee status.

Students on Filing Fee or PELP who intend to purchase SHIP for their one quarter (or 2 for PELP) of eligibility are required to complete the Graduate Student and Dependant (Quarter) Voluntary Enrollment Form found on the **SHCS website**. Students on PELP or Filing Fee who do not wish to continue their SHIP must file a registration status change before the start of the quarter in order to receive a full refund of the SHIP fee. If the change of registration status is filed on or after the first day of the quarter, the SHIP fee will not be refunded.

To review the Student Health & Counseling Services full policy on Filing Fee and PELP, go to their web sites at [http://shcs.ucdavis.edu/insurance/ship/eligibility.html](http://shcs.ucdavis.edu/insurance/ship/eligibility.html).

**H. NONRESIDENT SUPPLEMENTAL TUITION REDUCTION**

Nonresident Supplemental Tuition (NRST) for doctoral students is eliminated upon advancement to candidacy. To be eligible for the reduced NRST in a given quarter, a Ph.D. candidate must have advanced to candidacy prior to the first day of that quarter. The reduced NRST holds for three academic years (36 consecutive months) after advancement to candidacy, including time spent on Planned Educational Leave Program (PELP). Students who have not completed their doctorate after the three-year period and who remain enrolled students will
again be assessed full NRST at the rate in effect at that time. A Post-Candidacy Nonresident Supplemental Tuition (NRST) Fellowship Program is now available to assist PhD candidates losing NRST waivers.

I. REGISTRATION

SISWEB is the UC Davis Web-based registration system. Registered students can use SISWEB to enroll in classes, adjust their class schedule, view and print their class schedule, print their unofficial academic record, change their address, view their account, view their financial aid status, and much more. To access the SISWEB system you will need your UC Davis Login ID and corresponding password, as well as your student identification number and PAC (Personal Access Code). Information on the campus computing account is available from Information and Educational Technology, which manages the accounts.

Students wishing to add courses which require instructor approval (290C, 299 and 396) must obtain the appropriate course reference number (CRN) from the Graduate Program Coordinator and receive the permission of their major professor before accessing SISWEB.

ALWAYS REMEMBER: Students must receive instructor approval before changing units. Failure to secure instructor approval before registering for a variable-unit course or changing units may result in disciplinary action, academic penalty, or both.

Full time students must register in at least 12 units each quarter during Pass 1 of registration to avoid problems with financial assistance and payment of fees. The last day to drop a class is the 10th or the 20th day of instruction as specified in the course description in the Class Search Tool. The last day to add a class is the 12th day of instruction. The last day to file for a course to be taken on a S/U the 25th day of instruction.

J. IMPORTANT DEADLINES

There are many important dates/deadlines that you need to be aware of, such as the last day to pay fees, add/drop classes, file petitions, file theses. The office of the University Registrar provides a Quarter Dates and Deadlines calendar related to registration. Graduate Studies provides an Academic Calendar with deadlines for degree specific requirements. Ultimate responsibility lies with the student to be aware of impending deadlines.

II. ADMINISTRATIVE INFORMATION

A. FACILITIES

1. Office Services/Supplies

Office services associated with your research and project work should be arranged through your major professor and must be paid through a research grant. Major Professors should be notified when a student requires office supplies for any research projects.

2. Copy Machines

There are copiers available for student use in 3303 and 2303 GBSF. These machines will only work with a copy code. If your copying is related to research, the code can be obtained from your major professor. If the copying is related to teaching assistant duties, then the departmental copy code can be provided by the Graduate Program Coordinator.

3. Fax Machine

The BME Department has fax machines located in 2303 and 3303 GBSF; the fax machine numbers are (530)754-5739 and (530)752-7156 respectively. Use of this fax requires an authorization code which should be obtained from your major professor.
4. Graduate Student Mailboxes

Your e-mail is the BMEGG’s preferred method of sending notices. For hard copies of information and notices, each Biomedical Engineering graduate student will be assigned a mailbox in 3303 GBSF. Be sure to check your mailbox for messages, etc. The door to the mail room will remain locked after business hours and on weekends; however, a key card will be issued to each graduate student.

Mail can be sent to this location using the following address:
Biomedical Engineering
University of California, Davis
One Shields Ave.
Davis, CA 95616

5. Keys

Keys and key cards are given to each graduate student for entrance to research laboratories and the graduate mail and lounge area. Keys for GBSF are issued by BME Department staff in GBSF. Keys must be returned before exiting the program (after you have completed your degree or go on an extended leave).

6. Procedures for Purchasing Supplies/Materials

If you are working on a research project funded through a grant or contract, purchase of materials may be allowed subject to the approval of your major professor. Each home department has specific procedures for ordering supplies. Lab supply orders can be initiated within the BME Department via the BME Online Purchasing System.

The following steps must be taken to purchase any item.

i. To purchase supplies/materials, use the Online Purchasing System (OPS). If you need access to OPS, please email Melanie Burt-Schipke. Be sure to provide catalog numbers, address, and telephone numbers. Carefully review the form for completeness before submitting. You can attach quotes and MSDS in OPS when you place the order.

ii. Please allow two days for Request for Purchase Orders to be processed.

iii. Allow at least three weeks for the processing and delivery of equipment orders more than $5000 as these orders must be placed by the Campus Purchasing Office.

iv. If an order is needed immediately due to an emergency, see staff in the BME Business Office for special procedures.

v. Never buy supplies, no matter how small, with your own funds and expect reimbursement without first consulting the staff in the BME Business Office.

7. Sources of Supplies

The campus Central Stores and Receiving stocks a wide variety of small tools, lab supplies, building materials, plumbing and electrical parts, as well as chemicals. Departments must obtain supplies from the Central Stores whenever possible. When a needed item is not available from Central Stores, it may be purchased from an outside vendor. The University combines the purchasing power of the nine campuses and two laboratories to obtain pricing for system-wide contracts or campus supply/service agreements.

8. BME Computer Resources

The BME Department has a full time Programmer/Systems Administrator who is responsible for all BME computers and can answer technical questions. You should direct requests for computer accounts, service, or repair, as well as suggestions for software or hardware improvements or upgrades to BME IT Support at bme-
support@ucdavis.edu. The BME Department strictly adheres to University policy and the law regarding software licensing.

B. EMPLOYMENT

1. Graduate Studies Policies Affecting Student Employment

This is an outline of Graduate Division directives, for any questions or further information; please contact the Graduate Program Coordinator.

(I) Fee Remissions for Academic Titles

A graduate student working as a Graduate Student Researcher is eligible for a remission of all in-state and nonresident supplemental tuition. Teaching titles such as TA, Reader, Associate In_ and Tutor receive a full remission of their health insurance/student health services fee, registration and tuition. Local fees, including GSA fee, Memorial Union fee, facilities and campus enhancement fee, and student services safety fee, are not included in the fee remission. To be eligible for this benefit, you must be employed in one or more titles for at least 25% time for an entire quarter. NOTE: If you qualify, it is extremely important that your paperwork is signed ON OR BEFORE the first day of the quarter or you may not be granted this benefit.

(ii) Graduate Student Appointment Requirements

(a) The minimum grade point average required by Graduate Studies for Teaching Assistant (TA), Associate-In (AI) Graduate Student Researcher (GSR) and Readers appointments is 3.0.

(b) Graduate students may be appointed for a maximum of 18 quarters in any combination of teaching titles (Teaching Assistant, Associate In_, and Reader) during regular academic quarters. No student may be employed beyond 18 quarters in any combination of teaching titles. Graduate students may be appointed for a maximum of 21 regular academic quarters in a research title (GSR). No student may be employed beyond 21 quarters in a research title.

(c) Students on Filing Fee will be allowed one quarter of appointment during the academic year without request for exception. Exceptions beyond this one quarter period are rarely granted by Graduate Studies.

(d) Students on PELP may not hold student employment.

(iii) Definitions of Student Teachers

A Teaching Assistant/Associate-In is a registered full-time graduate student chosen for excellent scholarship and for promise as a teacher, and serving an apprenticeship under the active tutelage and supervision of a regular faculty member.

(iv) Criteria for Appointments

An appointee to the title of Teaching Assistant or Associate-In must be a registered graduate student in full-time residence. Each proposed appointment or reappointment is subject to certification by the Dean of Graduate Studies that the following conditions have been met:

a. Maintenance of a 3.0 grade-point average in previous academic work. After a quarter of graduate work, the graduate record will be substituted for the candidate's undergraduate record in appraising scholarly performance.

b. Current enrollment in an adequate program of study.

(v) Terms of Appointment

(a) Student-teachers are appointed quarterly and are self-terminating unless the appointee is otherwise
notified.

(b) Appointment to the title of Teaching Assistant or Associate-In may not exceed half-time, nor may such appointment in combination with other employment with the University exceed half-time. Those employed 50% time should be expected to devote, during instructional and examination periods, twenty hours per week to such work including time spent in preparation, classroom and laboratory teaching, office consultation, and reading student papers. If appointed 25% time, the total is ten hours work per week.

(vi) Conditions of Employment

Teaching Assistants/Associate-Ins are not responsible for the instructional content of a course, for selection of student assignments, for planning of examinations, or for determining the term grade for students. Neither is the Teaching Assistant to be assigned responsibility for instructing the entire enrollment of a course or for providing the entire instruction of a group of students enrolled in a course. The Teaching Assistant is responsible only for the conduct of recitation, laboratory, or quiz sections under the active direction and supervision of a regular member of the faculty to whom final responsibility for the course's entire instruction, including the performance of Teaching Assistants, has been assigned.

2. SPEAK Test Requirements

The Speaking Proficiency English Assessment Kit (SPEAK) Test is produced and distributed by the Test of English as a Foreign Language (TOEFL) program. The test is designed to measure the comprehensibility, fluency, grammar, and pronunciation skills of a non-native speaker's oral English. The Office of Graduate Studies requires that all international graduate students for whom English is not their native language take the SPEAK test of oral English proficiency before they begin duties as Teaching Assistants or Associate-Instructors. It is required that students pre-register in person at the Center for Excellence in Teaching and Learning, 1350 Surge III. Location will be given upon registration. Please refer to the SPEAK Test Schedule for the current academic year's dates.

More information on the specifics of the SPEAK Test can be found at http://cetl.ucdavis.edu/egw/speak-tests/. Exam scores are sent to departments for consideration in making TA hiring and assignment decisions; therefore, the earlier the test is taken, the more useful it can be. A low test score does not necessarily indicate that an international student will not make a successful TA, but it does suggest that the individual may need additional support from the department or might benefit from some of the campus language programs available to international graduate students.

The SPEAK test is scored from 20-60 in increments of 5. The TA selection committee generally expects a score of 45 or better. Students receiving a score of 40 or below will receive lower priority in TA assignments.

Any questions regarding the administration of the SPEAK Test, or a request for a change in your examination date, should be directed to the CETL at cetl@ucdavis.edu or 752-6050, or stop by our office in 1350 SURGE III.

3. Payroll

If you are employed by the BME Department, please see staff in the Business Office, 2303 GBSF, to initiate the appointment. Forms will be completed with the COE Human Resources Unit in Kemper Hall.

The normal payday for TAs, AIs, GSRs, and PGRs is on the first day of each month. Readers are paid on on a bi-weekly basis. Keep in close contact with the BME Department payroll staff to insure your paycheck is received on time.

Be sure to inform the BME Business Office if your mailing address changes (for tax purposes).
III. WHERE TO ASK QUESTIONS AND GET HELP

A. PROGRAM RESOURCES

Graduate Coordinator, Christal Wintersmith, 2316 GBSF
edwinters@ucdavis.edu or 530-752-2611

Although your major professor may be able to answer many of your general questions, when you have questions or comments regarding degree requirements, Program of Study, and/or your progress in the Biomedical Engineering graduate group, you should seek the advice of a Graduate (Track) Adviser:

Professor Vivek Srinivasan, 2521 GBSF
Biomedical Imaging
vjsriniv@ucdavis.edu or (530) 752-9277

Professor Soichiro Yamada, 2317 GBSF
Cellular & Molecular Systems
syamada@ucdavis.edu or (530) 754-7251

Professor Blaine Christiansen, Research I, UCDMC
Musculoskeletal Biomechanics
bchristiansen@ucdavis.edu or (916) 734-3974

Professor Kent Leach, 3321 GBSF
BME Graduate Group Chair
jkleach@ucdavis.edu or (530) 754-9149

B. OTHER SOURCES OF INFORMATION

Several other documents contain useful information related to academic aspects of your graduate study. These include:

General Catalog: http://catalog.ucdavis.edu/

Registration Information: http://registrar.ucdavis.edu/registration/index.cfm

BESA (Biomedical Engineering Student Association): http://besaucdavis.wordpress.com/

GSA (Graduate Student Association): http://gsa.ucdavis.edu/

Department of Biomedical Engineering: http://www.bme.ucdavis.edu/

College of Engineering: http://engineering.ucdavis.edu/

Office of Graduate Studies (OGS): http://gradstudies.ucdavis.edu/


OGS Graduate Student Resources Page:  http://gradstudies.ucdavis.edu/current-students/support-resources/graduate-student-resources


Services for International Students and Scholars:  http://siss.ucdavis.edu/index.html

Getting Help:
  Harassment & Discrimination Assistance and Prevention Program:  http://shep.ucdavis.edu/
  Rights to Privacy:  http://sja.ucdavis.edu/privacy-rights.html
  Student Judicial Affairs:  http://sja.ucdavis.edu/
  Student Health and Counseling Services (SHCS):  http://shcs.ucdavis.edu/