

UC DAVIS Biomedical Engineering Internship Form

Engineering or Science Elective Credit

FOR THE STUDENT: Please fill out this side of the form.

Research Topic: _____

Biomedical Engineering 192 CRN SE Units EE Units Quarter and Year Offered
_____ _____ _____ _____ 20_____

Up to 12 units allowed for up to 36 hours/week of work. 1 unit = 3 hours of work. For engineering elective units, total of 4 units maximum.

Course Plan:

Part I: The Research Proposal

- Complete both sides of the BIM 192 form.
- Attach 1-2 page Research Proposal describing the background, aims, methods, and anticipated results of your proposed work. Include a statement of the significance of the work (why it is important to study).
- Obtain Supervisor's signature.
- Submit to UG advisor for review by UG Committee Chair.
- Once approved, obtain CRN from UG advisor and register for 4 units of EE credit.

Until Part II is successfully completed, this research will count as internship credit only.

Part II: The Presented Results (For engineering elective credit only)

At the end of the quarter:

- Supervisor must send email to UG advisor (rchristian@ucdavis.edu) with student's name, dates of internship, hours worked per week, detailed explanation of work performed and grade (P/NP).
- The results must be presented in one of the following formats:
 - a) 30-minute formal PowerPoint presentation at conference or lab meeting (not including questions).
 - b) 10-page double-spaced paper.
 - c) 15-minute formal PowerPoint presentation or conference-style poster presentation (e.g. URC) and 5-page paper.
- Obtain copy of BIM 192 form from UG advisor.
- Obtain Supervisor's 2nd signature as approval of work.
- Resubmit BIM 192 form with attached work to UG Advisor for UG Committee approval.

Once UG Committee approval is obtained, then 4 units of internship credit will be counted towards Engineering or Science elective.

Student: _____ I.D. # _____ Major: _____

Total number of units completed to date: (84 units required to take 192 course for degree credit) _____

BIM 192 engineering elective units already completed (quarter and units) _____

The limitation on special study courses (99, 192, 194H, and 199) is 5 units per term with the exception of courses approved as part of the Independent Study Program.

FOR THE SUPERVISOR: Please fill out this side of the form.

Supervisor's Name: _____ Supervisor's Email: _____

Name of Company: _____

Dates Worked: _____ Hours worked per week: _____

Please select either Engineering or Science elective credit and check the appropriate boxes.

ENGINEERING ELECTIVE CREDIT _____ *OR* *SCIENCE ELECTIVE CREDIT* _____

To be considered for **Engineering Elective** credit, the completed report must demonstrate all of the following:

- A clear statement of engineering deliverables or engineering design objectives.
- An overview of existing engineering solutions in the field.
- Evidence of testing/validation and quantitative analysis of results.
- A clear statement of the impact of the completed work on society.

Describe the engineering content of the project below.

To be considered for **Science Elective** credit, the completed report must demonstrate all of the following:

- An overview of the scientific background underlying the project with appropriate literature citations.
- A clearly stated, testable hypothesis.
- Evidence of ability to design, analyze, and interpret the results of experiments.
- A clear statement of conclusions and their relation to the field at large.

<p>Part I I certify that I have reviewed the attached Research Proposal and this project is suitable as 4 units of (check one):</p> <p>Engineering elective _____</p> <p>Science elective _____</p> <p>_____ Supervisor's Signature Date</p> <p>_____ UG Committee Chair's Signature Date</p>	<p>Part II I certify that: One of the following was completed at C- or better quality for 4 units of upper division engineering/science elective credit.</p> <ul style="list-style-type: none"><input type="checkbox"/> 30-minute Powerpoint (not including questions)<input type="checkbox"/> 10-page double-spaced paper<input type="checkbox"/> 15-minute Powerpoint or poster presentation, and 5-page double-spaced paper <p>I certify that:</p> <ul style="list-style-type: none"><input type="checkbox"/> The completed work is suitable for elective credit as described in the Engineering & Science Elective sections above. <p>_____ Supervisor's Signature Date</p> <p>_____ UG Committee Chair's Signature Date</p>
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