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

<table>
<thead>
<tr>
<th>CRN</th>
<th>SE Units</th>
<th>EE Units</th>
<th>Quarter and Year Offered</th>
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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 Present 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.

Part I

I certify that I have reviewed the attached Research Proposal and this project is suitable as 4 units of (check one):

Engineering elective _____

Science elective _____

Supervisor’s Signature: ___________________________  Date: ___________

UG Committee Chair’s Signature: ___________________________  Date: ___________

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.

☐ 30-minute Powerpoint (not including questions)

☐ 10-page double-spaced paper

☐ 15-minute Powerpoint or poster presentation, and 5-page double-spaced paper

I certify that:

☐ The completed work is suitable for elective credit as described in the Engineering & Science Elective sections above.

Supervisor’s Signature: ___________________________  Date: ___________

UG Committee Chair’s Signature: ___________________________  Date: ___________