EXPERIENTIAL COMPONENT APPROVAL REQUIREMENTS
CONCENTRATION IN TECHNOLOGY INNOVATION

The concentration in Technology Innovation requires completion of a well-defined experiential component through laboratory research experience, industrial internship or co-op, senior capstone project, directed study, or participation in an approved program as outlined on Page 2.

**PROPOSAL** – Due no later than the Last Day of Fall Semester Classes, Senior Year

In order to obtain approval for the experiential component, the student must:

- Complete the Experiential Component Approval Form prior to beginning the experience with:
  - Experiential Component Plan (See Page 2)
  - Name of Supervisor (e.g. faculty supervisor, Senior Design instructor, internship supervisor)
  - Signature & Date

- Attach a 1-page written proposal outlining how this experience applies to technology innovation. Details may include rationale, goals, method of study, basis of evaluation, etc.

- Proposals realized by a team of students should identify collaborators, including others seeking Technology Innovation credit. Directed study students must attach their approved Directed Study Form.

- Submit form & proposal to the Undergraduate Records Office at engrec@bu.edu. Records will contact the Concentration Coordinator for Technology Innovation to obtain experience approval, and will then notify students of the approval. Prof. Thomas Little
  - PHO Room 426
  - (617) 353-9877
tdcl@bu.edu

**SUMMARY** – Due no later than the Last Day of Spring Semester Classes, Senior Year

Upon completion of the approved experiential component, the student must:

- Complete the Experiential Component Summary Form indicating how the experience was fulfilled.

- Prepare a 1 page summary of the work accomplished. Include how points mentioned in the proposal were actualized. Obtain supervisor's approval via signature on the written summary.

- Provide the requisite presentation (PPT or equivalent) as per TIC experience expectations.

- Submit the summary to the Undergraduate Records Office at engrec@bu.edu. The Undergraduate Records Office will obtain approval of the summary from the Concentration Coordinator.
## EXPERIENTIAL COMPONENT EXPECTATIONS

### CONCENTRATION IN TECHNOLOGY INNOVATION

### SENIOR DESIGN

1. Do the background work leading to an investor concept and marketing pitch for the product or technology (various, based on learning in SI480/SI482 and other TIC courses). This would be analogous to the output from a “start up weekend” that would do this kind of pitch.
2. Produce the pitch as PPT draft form.
3. Integrate the pitch into Senior Design materials for the group effort (reports and presentation).
4. Product a final, revised PPT at the end of the spring semester, incorporating feedback from the draft.
5. Integrate a subset of slides into the Senior Design presentation in the final work publically presented.

### INTERNSHIPS & RESEARCH LABS

1. Produce a written summary of the internship or research experience as it relates to the TIC. Describe what elements of the TIC were applied and how, referencing topics from SI480/SI482 (1 page).
2. Develop slide deck (PowerPoint or equivalent) for an investor concept and marketing pitch for the product or technology or four internship or lab experience. The slide deck should show artifacts of the experience including detail in one or more dimensions of the business problem (marketing analysis or plan, customer survey information, customer requirements analysis, sales pitch, etc.).
3. Materials are to be provided within two (2) weeks of the conclusion of the internship or research experience.

### TISP

1. Produce a written summary of the internship or research experience as it relates to the TIC. Describe what elements of the TIC were applied and how, referencing topics from SI480/SI482 (1 page).

### START UP WEEK & HACKATHON

1. Participate in the event.
2. Capture artifacts from the event (PPT, photos, sketches, mockups, etc.) and organize these into (a) an online portfolio, or (b) a PPT slide deck.
3. Materials are to be provided within 2 weeks of the conclusion of the event.

**TECHNOLOGY INNOVATION SCHOLARS PROGRAM**

http://www.bu.edu/eng/about-us/societalengineer/education/tis/

**START-UP WEEKEND**

http://boston.startupweekend.org/

**ENG IMAGINEERING DESIGN COMPETITION**

http://www.bu.edu/eng/current-students/singh/competition/

**NEW VENTURE COMPETITION**

http://www.bu.edu/entrepreneurship/events/new-venture-competitions/

**SMG PITCH AND PIZZA**

http://www.bu.edu/entrepreneurship/events/new-venture-competitions/pitch-pizza/