Concentration in Technology Innovation

Concentration requirements:

1. A sequence of four courses (16 credits) consisting of two required courses (8 credits) listed below and two courses (8 credits) chosen from the list of additional courses.

- **Required courses:**
  - QST SI 480 – Business of Technology Innovation - 4 cr (offered both semesters, but recommended that it be taken in junior year)
  - QST SI 482 – Strategy for Technology Based Firms - 4 cr (pre-requisite: SMG SI 480)

- **Additional Courses:** (Choose two courses – 8 credits)
  - ENG BE 428 – Device and Diagnostic Design – 4 credits
  - ENG EK 280 – Technology, Society and Policy – 4 credits (not currently offered; available for transfer credit)
  - ENG EK 409 – Engineering Economy – 4 credits
  - ME 517 – Product Development – 4 credits
  - ENG ME 525 – Technology Ventures – 4 credits
  - ENG ME 583 – Product Management – 4 credits
  - QST SI 444* – Entrepreneurship – 4 credits (F/S)
  - QST SI 445* – Managing the Growing Enterprise – 4 credits (F/S)
  - QST SI 451* – Organizing for Design & Innovation – 4 credits (S)
  - QST SI 453* – Strategies for Environmental Sustainability – 4 credits (S)
  - QST SI 464** - Intellectual Property Strategies – 4 credits (pre-requisite: SMG SI 422 or SMG SI 480)
  - QST SI 471* – International Entrepreneurship – 4 credits (S)
  - QST SI 475* --Global Management Experience – 4 credits
  - CAS CS 491* – BU Spark! Innovation Ventures – 4 credits (F)
  - CAS CS 299* -- San Francisco Experience – 4 credits – satisfies the experience only (overlaps with SI 480)

Notes:
* QST SI 444, 445,451, 453, 471, 475; CAS CS 299, and 491 will satisfy the General Education Elective requirement. They cannot be used to satisfy a Technical/Advanced/Professional Elective.

** Students cannot receive credit for both ENG ME 502 and QST SI 464

Students should check availability of courses each semester; not all courses are offered every semester.

2. **Experiential Component Requirement:** Completion of a well-defined experiential component in the technology innovation area. A laboratory research, industrial internship, senior design project or directed study can satisfy this requirement. This requirement must be approved by the Concentration Coordinator and the Experiential Component Approval form must be submitted to the Undergraduate Records Office. After its completion, a report of the experiential component must also be submitted for approval (see “experiential reporting requirements,” below.) Note: The Experiential Component requires completion of SI 480 and approval prior to doing the experience.

Experiential Component

The experiential component is required for the TIC that is intended to exercise and apply learnings from TIC curriculum and is ideally performed after completing the 4-course sequence specified above. However, this is not always possible. Minimally, students must complete SI 480 to be eligible to undertake an approved experience. Options for experiences include senior design, internships, experiential courses, approved weekend entrepreneurial events, TISP, and others by approval. Details on each follow.

Important Dates
- Concentration declaration
o May 1, Junior year: (ensures that you receive TIC notifications)
o October 1, Senior year (final deadline to declare concentration)

- Experience – senior design
  o October 15: experiential proposal due (ECE, BME)
o Dec 15: experiential proposal due (ME)
o April 1: draft report due (to TIC Coordinator)
o April 15: final report due

- Experience – internships
  o May 1: prior to internship: experiential proposal due
  o Sept 15: draft report due (to TIC Coordinator)
o Sept 30: final report due

- Other, including TISP
  o Prior to event: experiential proposal due
  o Within 2 weeks of completion of event and before April 1: draft report due
  o Within 4 weeks of completion of event and before April 15: final report due

For International Students
International students can use CPT in approved internships for the experience under the TIC. The process for approval is:
1. Declare concentration
2. Complete SI 480
3. Identify internships opportunity
4. Write and submit experiential proposal
5. Submit to ENG Undergraduate Records
6. When approved, submit to ISSO

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