

Goal 1: Fully prepare engineering students to take leadership roles in addressing the global environmental and ecological challenges of engineering.

Strategy	Tasks and Tactics	Metrics and Targets	Who?
1a. Develop comprehensive curricula for a new vision of EEE at all levels (undergraduate minor, BSEEE, MSEEE, PhD).	i. Develop, gain approval for, and offer new core courses necessary for the undergraduate BSEEE and minor, including: — EEE 250 (Systems) — EEE 300 (Modeling) — EEE 390 (Seminar) — EEE 430 (LCA/IndEcol) — EEE 48x (Senior design) — CE/EEE 350 crosslisting — CE/EEE 355 crosslisting	<i>metric:</i> complete or not? <i>target dates:</i> for (respectively) development, first offering, and EFD approval: — July 10; Fall 10; May 11 — completed — Dec 10; Spring 12; May 11 — Nov 10; Spring 11; May 11 — Dec 10; Fall 12; May 11 — n/a; Fall 11; May 11 — n/a; Fall 11; May 11	Curriculum Committee Hoffmann Nies
	ii. Develop and articulate vision of EEE as a separate and complementary degree program of Purdue CoE.	<i>metric:</i> completed, faculty approved, and sharable articulated statement; <i>target:</i> Dec 2010.	Sutherland Hoffmann Curr.Comm.
	iii. Assess outcomes of initial offerings of core courses; design alterations as needed	<i>target dates:</i> Ongoing as courses are offered <i>metrics:</i> student portfolios, student feedback, course material collection, other ABET data	Hoffmann Curriculum Committee
	iv. Approve BSEEE curriculum: design to match ABET accreditation guidelines (to facilitate accreditation in 2013-14) and Purdue Engineer of 2020 attributes, and be informed by the American Academy of Environmental Engineers (AAEE) Body of Knowledge.	<i>metrics:</i> — College (EFD) approval — Indiana Commission on Higher Ed approval <i>target:</i> All approval complete for students to enter or CODO into the program in Fall 2011.	Hoffmann Curr. Comm. Exec. Comm.
	v. Develop graduate courses for EEE and other Engineering students.	<i>metrics and targets:</i> — authority to offer EEE grad courses by Oct 2010 — first EEE graduate course approved by Dec 2011, offered Fall 2012.	Curriculum committee EEE faculty

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1a (continued): Develop comprehensive curricula.	vi. Establish a consensus rationale for potential graduate programs of EEE (MS and/or PhD) and their overall structure and design	<i>target:</i> Complete and approved by EEE Faculty by January 2011.	Sutherland, Exec.Comm, EEE Faculty
	vii. Establish administrative structures for graduate degrees as needed, including degree requirements and tracking, student recruiting and student services.	<i>target:</i> College and ICHE approval in place by Fall 2011, so as to allow recruiting for initial entrance of students in Fall 2012.	Hoffmann, Curriculum committee
	viii. Develop long-term master plan for other degrees: potential distance MS, dual BS/MS, grad certificate, etc	<i>target:</i> Approved by EEE faculty by May 2011.	Sutherland, Exec. Comm.
1b. Recruit high-quality students into EEE programs <i>Overall targets:</i> Number of students at the start of academic year 2010, 2011, 2012: Major: 30, 55, 80 Minor: 40, 100, 150 MS: 0, 0, 10 PhD: 0, 0, 5	i. Renew and maintain EEE website with student recruiting as primary purpose, including: — complete redesign — social network presence — interactive and video content	<i>metric:</i> Evaluation by CoE communications and web professional staff. <i>targets:</i> — redesign: Oct 2010 — social network: Oct 2010 — interactive and video: Dec 2010	Hoffmann, Sejpal, ECN staff
	ii. Produce recruiting materials and message for admissions, visitors, “fairs,” etc., including print and display	<i>target:</i> Continuing, but first complete set of materials and displays by Sept 2010.	Hoffmann, Sejpal
	iii. Create student ambassador program	<i>target:</i> Fall 2010	Hoffmann
	iv. Integrate recruitment materials with FYE and “choose your major” aspects of ENGR 131/132, including video, web text content, and personal presentations	<i>metrics:</i> Evaluation by FYE personnel, survey of entering students once they choose EEE. <i>target:</i> Fall 2010	Hoffmann
	v. Renovated plan for outreach and recruiting to current CoE students and College advising staff to recruit for EEE minor.	<i>target:</i> Ready to implement plan Sept 2010 <i>metric:</i> Meeting minor population targets at left.	Hoffmann
	vi. Develop full graduate recruitment, selection, and management plan.	<i>target:</i> Fall 2011	Nies, Curr.Comm.

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1c. Establish student support and community-building structures	i. Establish comprehensive advising structure, integrating EEE faculty and staff with MDE and CoE advisors.	<i>metrics:</i> Existence of organized advising effort; student satisfaction surveys. <i>target:</i> Summer 2011	Hoffmann, new staff?
	ii. Expand and enhance the Engineering for the Planet Learning Community, including upper-level students	<i>metrics:</i> Number of students involved, student satisfaction and engagement surveys. <i>target:</i> 50 FYE and 25 upper EEE students in 2011-12.	Hoffmann, Nies, SATS
	iii. Develop and maintain a student common room (POTR 316), with resources for collaboration and community building.	<i>metrics:</i> Student use data and student satisfaction data.	Hoffmann, SEEE
	iv. Support and offer significant advising and engagement to a student-run EEE organization.	<i>metrics:</i> Student membership numbers, engagement in College-wide activities with other student groups, number of outreach activities.	Hoffmann, SEEE
1d. Help bring EEE and Sustainable Engineering ideas into courses across the curriculum.	i. Interact with FYE courses to introduce sustainability to all engineering.	<i>metrics:</i> Identifiable interaction with ENGR 103, 104, 131; student response in course assignments	Hoffmann
	ii. Offer support for EEE faculty or others to incorporate sustainable/environmental components into other core engineering courses and design courses.	<i>metric:</i> Number of non-EEE courses with component developed with EEE partnership.	Hoffmann, Nies, Hua, Blatchley; SEED grant