

8-Step Process Implementation/Improvement Plan (PIIP)

Electronic Form

Richland College employees use the **8-Step Process Implementation/Improvement Plan (PIIP)** to document implementation of new processes/programs and improvement of existing processes/programs.

14	PIIP Process Name: Electrical Engineering Curriculum
-----------	--

	Step	Responsible Party	Check Status
P a r t 1	1. State implementation/improvement need and identify its related <i>Strategic Planning Priority</i>. To develop a Pre-Engineering curriculum that mirrors the first two years of UTD's Electrical Engineering curriculum so that students can complete the program here and transfer to UTD as juniors in Electrical Engineering. Priority - Student Success	David Canine	In Progress
			X Complete
	2. List owner(s) of new process/program or improvement: Brent Donham, David Canine	Note: Leave blank	In Progress
			X Complete
	3. Identify root cause leading to this process implementation/improvement: UTD has been charged by the Governor to increase its number of Engineering graduates. At the same time, Richland needs to improve opportunities for students in the community to gain access to Engineering occupations.	Note: Leave blank	In Progress
			X Complete
	4. Develop proposed solution, including measurement/evaluation plans and budget implications/business plan. To work with UTD to develop courses and laboratories that duplicate the Engineering courses students take in the first two years at UTD. This includes employing a faculty member to specialize in this instruction and equipping two labs with appropriate equipment. Measurement will be based upon student success while enrolled in the program at Richland and the number of Pre-Engineering graduates transferring to UTD when the program is in place. The initial cost will be about \$180,000 to equip the two labs and about \$50,000/year for the additional faculty member.		In Progress
			X Complete

After you complete Part I, e-mail copies of this form to your dean or supervisor and to Fonda Vera, Institutional Research Office.

Complete:
9/13/04
Date Submitted:
12/24/03
Updated: 6/29/04

8-Step Process Implementation/Improvement Plan (PIIP)

Electronic Form

PIIP Process Name: Electrical Engineering Curriculum

	Step	Responsible Party	Check Status
P a r t 2	5. Describe implementation/pilot approach: To develop an articulation agreement with UTD, equip the labs, get CB approval for the new Engineering courses, employ the new faculty member, develop a marketing plan, and offer the classes. The first classes will be offered in Fall 2004.		<input type="checkbox"/> In Progress <input checked="" type="checkbox"/> Complete
	6. Report outcomes related to measures identified in Step 4: An articulation agreement with UTD was signed on February 11, 2004 to facilitate transfer of RLC students who complete the course work. Coordinating Board approval to offer the program was obtained in Spring 2004, and 6 sections of the new engineering courses are being offered in Fall 2004.		<input type="checkbox"/> In Progress <input checked="" type="checkbox"/> Complete
	7. Describe method(s) for disseminating results: The program was advertised in the Dallas Morning News and Richardson Living magazine. Richland personnel distributed information at the Chinese Institute for Engineers and post cards are being distributed at high schools in Richland's service area.		<input type="checkbox"/> In Progress <input checked="" type="checkbox"/> Complete
	8. Evaluate and describe success of this process (Steps 1-7) In Fall 2004, 50 students have enrolled in the program.		<input type="checkbox"/> In Progress <input checked="" type="checkbox"/> Complete

After you complete Part 2, e-mail copies of this form to your dean or supervisor and to Fonda Vera, Institutional Research Office.

Complete:
 9/13/04
Date Submitted:
 12/24/03
Updated: 6/29/04