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**Program name and CIP Code: Bachelors in Electrical Engineering -- 14.100 Level: Undergraduate**

Unit Mission	Dept./Pgm Intended Outcomes Objectives	Assessment Criteria & Procedures	Assessment Results	Use of Results
Offer the best undergraduate electrical engineering program in the state of Florida.	1. Graduates will acquire sufficient academic competence for employment in electrical engineering	<p>1.1 At least 90% of graduates who seek employment attain offers of Electrical Engineering practice within 6 months of graduation.</p> <p>To perform the above assessment, review the data from FETPIP.</p> <p>1.2 At least 80% of graduates feel that they are well prepared for immediate employment.</p> <p>To perform the above assessment, conduct exit interviews (every spring semester; question G); university surveys (once every 5 years; questions 37, 42, 49, 61); and alumnus surveys (once every 5 years; questions C,D,H,I).</p>	<p>1.1 Data available (90%) indicated that the goal is reached. (FETPIP is the only employment data pertaining EE major.)</p> <p>1.2 Data available (84%) indicated that the goal is reached.*</p>	<p>The criteria set for 1.1 &amp; 1.2 met, will continue to review for possible enhancement. Otherwise, seek advice from EE industry advisory board, local industry and graduates who are seeking employment.</p> <p>Possible action appropriate changes in the curriculum.</p>
	2. Graduates will acquire sufficient academic competence for advanced	2. At least 50% of graduates feel that they are well prepared for advanced	2. Data available (92%) indicated that the goal is reached.*	The criterion met, will continue to review for possible enhancement.

	graduate studies.	graduate studies. Keep a statistical record of students who are graduate students at the time of survey so that the trend can be analyzed. To perform the above assessment, conduct alumni surveys (once every 5 years; question F).		Otherwise, examine the student files and our curriculum, and create opportunities for students to participate more in research projects.
	3. Graduates will demonstrate overall competence in the EE major, including communication skills, computer skills, and problem solving skills (analysis, design and implementation).	3.1 At least 80% of graduates will report overall satisfaction with the training of the aforementioned skills in the EE program at or above a 4.0 level on a 5 point scale. To perform the above assessment, conduct exit interviews (every spring semester; questions H, J, K); university surveys (once every 5 years; questions 39, 43, 44, 60); and alumni surveys (once every 5 years; questions I, J, T). 3.2 At least 80% satisfaction by peers on the skills demonstrated by the graduates in the capstone design course. To perform the above assessment, request reports by faculty committees that review all students' projects.	3.1 Data available (86%) indicated that the goal is reached.* 3.2 Data available (84.1%) from the faculty panels' reports indicated that the goal is reached.*	The criteria set for 3.1 & 3.2 met, will continue to review for possible enhancement. Otherwise, identify weakness of the EE curriculum from the surveys and then make proper corrections.

	4. Students are recognized by their employers for their knowledge and skills in solving real world problems and for their professionalism.	4.1 At least 85% of employers of graduates, with respect to meeting the expectations, will rate our graduates as "average" "above average" or "exceptional" when compared to graduates from other EE programs.  To perform the above assessment, conduct employer surveys (once every five years; questions D, 2, 3, and 4).	4.1 Data available (97%) indicated that the goal is reached. *	The criteria set for 4.1 & 4.2 met, will continue to review for possible enhancement. Otherwise, solicit input from the employers for program modifications. In 1996, the following changes have been made in the EE program (1) Extend the capstone design course from one semester to two semesters so that students can gain more hands-on skills.
		4.2 All major employers of EE graduates are satisfied with the EE program in generating well educated graduates.  To perform the above assessment, conduct an annual review of the EE curriculum by the ECE Industrial Advisory Board (IAB) for possible improvement in all areas.	4.2 It was identified at the 1996 IAB meeting that further improvements in enhancing graduates' skills in computer, laboratory and design is needed. *	(2) Additions of computer laboratories (PC and SUN). (3) Initiation of computerized experiments and laboratories.

\* \* With the exception of FETPIP and COE exit survey, all other data available are inter-disciplinary and therefore may be used for more than one program.