

Department: Electrical and Computer Engineering (ECE)

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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
<p>Offer the best undergraduate electrical engineering program in the state of Florida.</p>	<p>1. Graduates will acquire sufficient academic competence for employment in electrical engineering</p>	<p>1.1 At least 90% of graduates who seek employment attain offers of Electrical Engineering practice within 6 months of graduation. To perform the above assessment, review the data from FETPIP. 1.2 At least 90% of graduates feel that they are adequately prepared for immediate employment. 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 indicated a 91.3% level of full time employment, meeting the goal. (1996-1997 FETPIP gives Florida data only.) 1.2 Data available from University survey shows a 88% level. [1]</p>	<p>The criteria met, will review for possible enhancement. Otherwise, seek advice from EE industry advisory board, local industry and graduates who are seeking employment. Addition of EGN 1006 and EGN 1930 to curriculum to improve retention and enhance engineering design at the freshman level Begin curriculum renewal process.</p>

	<p>2. Graduates will acquire sufficient academic competence for advanced graduate studies.</p>	<p>2. At least 50% of graduates feel that they are well prepared for advanced 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; questions F).</p>	<p>2. Data available at the university and college levels indicated a 70% level. The goal is reached. [1]</p>	<p>The criteria met, will review for possible enhancement. Otherwise, examine the student files and our curriculum, and create opportunities for students to participate more in research projects.</p>
	<p>3. Graduates will demonstrate overall competence in the EE major, including communication skills, computer skills, and problem solving skills (analysis, design and implementation).</p>	<p>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).</p>	<p>3.1 Data available at the university and college levels indicated that the goal is reached at with a level of 87% [1]</p>	<p>The criterion met. Add EGN 1930 to curriculum to give students more computer skills and freshman problem solving and design skills. Begin curriculum renewal process.</p>

		<p>3.2 At least 80% satisfaction by peers on the skills demonstrated by the graduates in the capstone design course.</p> <p>To perform the above assessment, request reports by faculty committees that review all students' projects.</p>	<p>3.2 Data available from the faculty panels' reports indicated that the goal is reached with a level of 85.1%.</p>	
	<p>4. Students are recognized by their employers for their knowledge and skills in solving real world problems and for their professionalism.</p>	<p>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.</p> <p>To perform the above assessment, conduct employer surveys (once every five years; questions D, 2, 3, and 4).</p> <p>4.2 All major employers of EE graduates are satisfied with the EE program in generating well educated graduates.</p> <p>To perform the above assessment, conduct an</p>	<p>4.1 Data available at the university indicates a 97.1% level. The goal is met.</p> <p>4.2 Data available from the April 1998 IAB meeting shows an 87.5% satisfaction level.</p>	<p>The goal is reached and will review for possible enhancement. Otherwise, solicit input from the employers for program modifications.</p> <p>Add professionalism and design components in EGN 1006. Further enhance two semester senior design class.</p>

		<p>annual review of the EE curriculum by the ECE Industrial Advisory Board (IAB) for possible improvement in all areas.</p>		
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[1] With the exception of FETPIP and COE exit survey, all other data available are inter-disciplinary and therefore may be used for more than on program