

## Program Planning Summary

<b>Program Designation:</b>	Program Modification
<b>Institution:</b>	South Carolina State University
<b>Designation of Undergraduate Programs:</b>	Four-year program
<b>Program Title:</b>	Bachelor of Science in Electrical Engineering Technology
<b>Academic Unit Involved:</b>	Department of Industrial and Electrical Engineering Technology, College of Science, Mathematics and Engineering Technology
<b>Designation, Type, and Level of Degree:</b>	Bachelor of Science in Electrical Engineering Technology (BSEET), Bachelor of Science Four-year undergraduate
<b>CIP Code:</b>	150303
<b>Proposed Date of Implementation:</b>	Fall 2008
<b>Delivery Mode:</b>	Traditional in the evening

### Justification of Need:

The objective of this program is to offer a Bachelor of Science degree in Electrical Engineering Technology to students from Aiken Technical College (ATC) through a comprehensive transfer program. This transfer program will allow the students who complete their Associate degree in Engineering Technology majoring in Electronics Engineering at ATC to transfer a majority of their courses to South Carolina State University Electrical Engineering Technology degree, provided the university and the program guidelines are satisfied.

This initiative will foster the growing demand for technical workforce as well as the growing interest among two-year technical college graduates across the State of South Carolina to pursue a Bachelor of Science degree in Electrical Engineering Technology.

**Anticipated Program Demand and Productivity:**

There is a shortage of engineers in the state and in the nation as a whole. According to the Department of Labor’s Bureau of Labor Statistics’ (BLS) 10-year (2002-2012) employment forecast, the demand of technical workforce and the engineering managers are expected to grow by 13.4% and 13% respectively. Undoubtedly, these numbers will increase due to declining enrollment in Engineering Technology programs nationwide. South Carolina State University plans to enroll an average of 18 students into the proposed program over the next 5 years.

Year	2008-2009	2009-2010	2010-2011	2011-2012	2012-2013
Enrollment	5	10	15	18	20

**Assessment of Extent to which the Proposed Program Duplicates Existing Programs in the State:**

South Carolina State University is the only institution in the state that offers similar this degree program. In fact it also offers the same program off-campus at the University Center in Greenville and at Piedmont Technical College in Greenwood, South Carolina.

**Relationship of the Proposed Program to Existing Programs at the Proposing Institution:**

The College of Science, Mathematics and Engineering Technology has a Bachelor of Science degree program in Electrical Engineering Technology. The proposed program offers the same degree at the Aiken Technical College campus.

**Relationship of the Proposed Program to Other Institutions via Inter-Institutional Cooperation:**

The goal of the proposed program is to provide graduates with an Associate degree from Aiken Technical College to earn a Bachelor of Science degree in Electrical Engineering Technology and further promote cooperation between the two institutions.

**Total New Costs Associated with Implementing the Proposed Program (General Estimates):**

The College of Science, Mathematics and Engineering Technology will administer the program. Since all the courses necessary for the program are already in place, no additional expenditure will be required to develop courses. In addition, one adjunct faculty will be needed in the first year of operation of the program. This will be increased to two adjunct faculty in the following years. Total cost to implement the proposed program \$13,000.00 for the first year and \$22,000.00 per year for the subsequent years.

The new costs include the following:

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|---|-------------|
| • Adjunct faculty salary for Year #1          | \$9,000.00  |
| • Adjunct faculty salary for subsequent years | \$18,000.00 |
| • Supplies and Materials (annual cost)        | \$3,000.00  |
| • Travel                                      | \$1,000.00  |

South Carolina State University submits this Program Planning Summary for your consideration and approval.

Respectfully,

*Leonard McIntyre*  
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Leonard McIntyre, Ph.D.,  
President, South Carolina State University

2-1-08

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Date