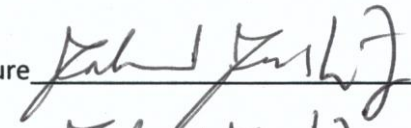






**Savannah State University**  
**New Programs and Curriculum Committee**  
**Summary Page – Form I**

1. **Submitting College:** COST
2. **Department(s) Generating The Proposal:** Choose an item.  
Choose an item. (if needed)
3. **Proposal Title:** New Mechanical Engineering Technology (MET) Program
4. **Course Number(s):** Click here to enter text.
5. **Course Title(s):** Click here to enter text.
6. **Effective Date:** Fall    **Year:** 2013
7. **Brief Summary of Proposal:** This proposal requests approval to submit a prospectus to the USG in support of a bachelor of science degree program in Mechanical Engineering Technology at Savannah State University.
8. **Type of Proposal:** New Degree Program    If other, please describe:    Click here to enter text.
9. **Impact on Library Holdings**  
Existing:        None  
Additional:      None  
Deletions:      None
10. **Impact on Existing Programs:** None
11. **Additional Resources Required**  
Personnel:        None  
Non-personnel:    None
12. **Approvals:**
  - Department Curriculum Committee    Signature     Date 8/8/12
  - Department Chair    Signature     Date 8/8/12
  - College Curriculum Committee    Signature \_\_\_\_\_    Date \_\_\_\_\_
  - College Dean    Signature     Date 08/08/12
  - Vice President of Academic Affairs    Signature \_\_\_\_\_    Date \_\_\_\_\_  
(Chair of the New Programs and Curriculum Committee)
  - Faculty Senate    Signature \_\_\_\_\_    Date \_\_\_\_\_

**New Program Prospectus Proposal  
Savannah State University  
Bachelor of Science in Mechanical Engineering Technology**

***Introduction***

Savannah State University is submitting this prospectus proposal to start in the fall 2013 semester an undergraduate four year bachelor of science degree program in Mechanical Engineering Technology. Savannah State University had this degree program in the past as recently as 2005. The program existed at Savannah State University since approximately 1970. Savannah State University earnestly wishes to bring this program back underneath our umbrella of academic offerings. Over the past seven years we have had many students inquire about this program being offered at Savannah State University. We are certain this program will capture the attention of and engage interested students and help fulfill the need for engineers and engineering technicians within the region and across the state.

***Laboratory Resource Needs***

Savannah State University has all faculty and laboratory resources that is needed to restart this program. The primary factors attributing to this advantage are first that we previously had this program and still have the faculty and laboratory equipment. The second factor is our existing Civil Engineering Technology program. The Civil Engineering Technology program and Mechanical Engineering Technology programs employ many of the same laboratory equipment. Therefore, we already have a hardness tester, fluid flow demonstrators, structure analysis demonstrators, an industrial impact tester, a torsion machine, a puma style robot, and stress-strain apparatus. In addition we have a new state of the art hydrology laboratory, a new 3D printing machine, and a new MTS machine. All of these laboratory resources are more than enough to effectively implement the hands on experience for the MET program.

***Faculty Resource Needs***

Savannah State University has two faculty with Ph.D.'s in Mechanical Engineering, and two Ph.D.'s in Civil Engineering. No additional faculty resources are needed to implement or sustain the MET program.

***Budget Requests***

Savannah State University has all of the faculty, laboratory and budgetary resources necessary to implement the MET program.

***Local Regional and State Impact***

*Employment of mechanical engineering technicians is expected to grow by 4 percent from 2010 to 2020, slower than the average for all occupations. Nevertheless, there should be opportunities for those who can master new software and technology, as well as traditional manual skills. Employment of mechanical engineers is expected to grow 9 percent from 2010 to 2020, slower than the average for all occupations. Job prospects may be best for those who stay abreast of the most recent advances in technology; U.S. News College Compass: Best Colleges 2012.*

*According to the Bureau of Labor Statistics, in the future, people with mechanical engineering degrees might find employment opportunities in the fields of biotechnology, nanotechnology and material science. Because new forms of technology often require the engineering of new machinery and skilled people to maintain it, mechanical engineers might seek work in other engineering sub-specialties related to their field, such as biomedical engineering, which has a much faster rate of job growth through 2018 compared to mechanical engineering, reports the Bureau of Labor Statistics.*

*According to the National Association of Colleges and Employers top 10 highest paying majors report; In its "2011 Job Outlook" report, the National Association of Colleges and Employers (NACE) concluded that along with those in computer science and other technical fields, "engineering majors . . . are most in demand at the bachelor's degree level." The findings are significant, experts say, as NACE's annual report is often regarded as a harbinger of future job prospects because the organization polls employers across the U.S., asking them what kinds of workers they will hire over the coming years.*