

NOT APPROVED  
SCHEDULED FOR PRESENTATION  
5/12/97

# Glassboro State College Senate Curriculum Committee

## Approval Form

Proposal Title: Endorse in Principle the Establishment of a School of Engineering by 1997

Sponsor(s) Herman D. James Dept.: President Ext. 5201

**Check one:**  Course  Specialization  Concentration  Minor  Achievement Certificate  
 Certification Program  Major Program  ~~Minor Change~~ Other: Create a new school  
(please name deletion or credit/title/catalog change)

Undergraduate  Graduate \_\_\_\_\_ Credit Hours

<p><b>Step 1 (Department)</b></p> <p><input type="checkbox"/> Approved _____ Date</p> <p><input checked="" type="checkbox"/> Not Approved</p> <p><u>H. D. Van Hatt</u> Dept. CC Chairperson</p> <p><input type="checkbox"/> Reviewed <u>9/13/91</u> Date</p> <p><u>[Signature]</u> Dept. Chairperson</p>	<p><b>Step 2 (Receipt)</b></p> <p><input checked="" type="checkbox"/> SCC# _____</p> <p>Proposal Received _____ Date</p> <p>RECEIVED SEP 25 1991 [Stamp]</p> <p>_____ Dept. Chairperson</p>	<p><b>Step 3 (School CC)</b></p> <p>Reviewed _____</p> <p><input type="checkbox"/> Approved <input type="checkbox"/> Not Approved</p> <p><b>Comments:</b></p> <p>_____ School Curr. Comm. Chairperson</p>
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**Step 4 (Academic Dean)** **Comments:**

Recommends  
 Not Recommend  
 Conditionally Recommend (see comments)

Reviewed \_\_\_\_\_  
Date

\_\_\_\_\_  
Signature, Dean of School

**Step 5 (SCC)**

Open Hearing \_\_\_\_\_  
Date

Approved by Senate Curriculum Committee \_\_\_\_\_  
Date

Returned to sponsor(s) for the following reasons:

**Step 6 (Senate)**

Presented to Senate \_\_\_\_\_  
Date

Approved  Not Approved

Notification to Executive Vice-President/Provost \_\_\_\_\_  
Date

\_\_\_\_\_  
Signature, SCC Chairperson

Recommendation B: That the Trustees, in Recognition of Technology's Central Role in Modern Work and Life, Should Endorse in Principle the Establishment of a School of Engineering and Technology at Glassboro by 1997, in Place of the Present Technology Department.

The Committee presents a clear and critical review of the status of the Technology Department in their report. I find myself persuaded by the Committee's assessment of the department's present condition in light of the charge they were given relative to fiscal parameters within which to plan.

If, however, we step outside that parameter and courageously adopt another perspective which takes a hard look at these real technological needs, at what business and industry of this growing region want, at the present configuration of our technologically-oriented programs, and at creative new possibilities for this institution to make a better contribution in this immensely important field, another possibility emerges. What follows is my vision for a new initiative.

Certain features of the existing Technology Department present disabilities for it, as far as playing a strong part in the College mission projected by the Committee goes.

One of these features is that, aside from general education and service courses, the department's own three programs are constrained to a Bachelor of Science in Industrial Technology, a Bachelor of Science in Technology Education with certification K-12, a Master of Arts in Technology Education, and various teacher certification programs. The predominant cast of this curriculum is not towards the high-tech present and future, but towards a period of lower technology that is now largely past. It is a curriculum still oriented towards a time when preparing industrial arts teachers was one of the most active programs at a place like Glassboro.

The effect of such limitations--in an age when high technology is revolutionizing modern life--is evident in the "Enrollment/Graduation Data in the Technology Department" summarized by the Committee in its report. In 1990, the department produced 28 undergraduate degrees and one M.A. in Technology Education.

My conclusion from the Committee's data and comments is not that we should simply phase out programs that may be out-of-phase with the present student markets to which they are addressed. Instead, I believe we should seek to build anew--in ways that better fit the demands and opportunities of careers in a high-tech world.

I hope, therefore, that you will take a fresh look at our situation in Technology, and that you will accept my recommendation that we move away from the present program configuration towards a

strengthened and modernized approach.

Our region, growing and developing as it is, would not be well-served by the demise of technological training here at Glassboro. But the region would be well-served by the program's transformation from a generally low-tech endeavor to one capable of preparing people to work effectively in the applications of high technology that exist all around us.

Burlington County College and the NJIT Technical Education Center should be quite able to meet South Jersey's needs for low-tech training in the future.

It would make sense for us, at the beginning, to undertake a more extensive survey of business and industry's perceived engineering and technological personnel needs for the future in the region. And then we should proceed with all deliberate speed to reconfigure present resources--and new resources that we would have to find--to make Glassboro adequately responsive to those regional needs. In many ways, the basic issue is access for students who live in this region. One-third of New Jersey's population lives in its southern eight counties, with no engineering programs based in the region.

It should be possible to make the transition from our present departmental arrangement to the establishment of such a school through a five-year planning and development period that would end in 1997.

To make such a transition will require a commitment for state funding of the modernized program and physical facilities of the School, and also should move us towards further efforts to secure corporate and private foundation support.

By the same token, I wish to make it abundantly clear that absent new state funding for engineering program faculty, physical facilities and equipment, I would endorse the recommendation of the Committee to phase out all of the existing technology department save the general education service component.

With these alternatives in mind, I recommend that you endorse in principle the formation of a School of Engineering and Technology, initially small but of high quality, at Glassboro by that date.