THE FACULTY SENATE

December 9, 1997

Dr. Ray M. Bowen
President
Texas A&M University

Dear President Bowen:

At its regular meeting held December 8, 1997 the Faculty Senate considered and approved the following proposal from the University Curriculum Committee:

Changes in Curriculum:
Dwight Look College of Engineering
First-year Curriculum

Enclosed is the information considered by the Senate. Please inform me of your decision on this recommendation.

Sincerely yours,

Wayne E. Wylie
Speaker, 1997-98

Enclosure
pc: Dr. Ronald G. Douglas, Executive Vice President & Provost
Dr. Karan S. Watson, Associate Dean of Engineering
Dr. R. Bruce Simpson, Chair, Curriculum Committee
Ms. Linda F. Lacey, Director of Academic Support Services

APPROVED

DATE

TEXAS A&M UNIVERSITY COLLEGE STATION, TEXAS 77843-1225 TEL: 409/845-9311
Report of the University Curriculum Committee
November 14, 1997

The University Curriculum Committee recommends approval of the following:

Changes in Curriculum

Dwight Look College of Engineering
First-year Curriculum
MEMORANDUM

TO: Ms. Linda Lacey  
Director of Academic Support Services
Admissions and Records
Koldus Building, Room 217

FROM: Dr. Karan Watson  
Associate Dean of Engineering

DATE: October 28, 1997

SUBJECT: First-Year Curriculum

The Dwight Look College of Engineering is requesting a change for the First-Year curriculum for all engineering majors. The change involves deleting ENGR 109 and ENDG 105 and adding two new courses ENGR 111 and ENGR 112. In addition, the curricula for engineers are shifting PHYS 218 to the first semester from the second semester and PHYS 208 from the third semester (except for CHEN and PETE that will move it from their fifth semester) to the second semester. Attached is a message from the Physics Department indicating that they do not object to this move.

Finally, because of this shift in Physics courses, a directed elective will shift from the first-year to the third or fifth semester in all of the engineering curricula. Attached are copies of the changes to the curricula.

If, additional information is need, please contact my office.

Thank you,

/tga

Encl.
Karan Watson  
Associate Dean  
College of Engineering

Dr. Watson:

The physics department endorses the proposed curriculum change for the College of Engineering in which PHYS 218 will be moved to the fall semester of the freshman year and PHYS 208 will be moved to the spring semester of the freshman year.

Sincerely,
Lewis Ford  
Associate Head  
Physics Department
Freshman Year on Page 251 or 97-98 undergraduate catalog

FRESHMAN YEAR**

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<tr>
<th>First Semester</th>
<th>(Th-Pt)</th>
<th>Cr</th>
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<tbody>
<tr>
<td>ENGR 111 Foundations in Engineering</td>
<td>(1-2)</td>
<td>3</td>
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<td>ENGL 104 Comp. and Rhetoric</td>
<td>(3-4)</td>
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<tr>
<td>MATH 151 Engineering Mathematics I</td>
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<td>2</td>
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<tr>
<td>Directed electives</td>
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<tr>
<td>Military, air or naval science</td>
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<td>KINE 199</td>
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<table>
<thead>
<tr>
<th>Second Semester</th>
<th>(Th-Pt)</th>
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<tbody>
<tr>
<td>ENGR 112 Foundations in Engineering II</td>
<td>(1-2)</td>
<td>2</td>
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<tr>
<td>PHYS 208 Electricity and Optics</td>
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<tr>
<td>PHYS 208 Electricity and Optics</td>
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**A grade of "C" or better will be required for the (CBK) Common Body of Knowledge Courses (MATH 151, 152, PHYS 218, CHEM 107 or 107I for CHEM majors, ENGL 104, ENGR 111, and ENGR 112) and any other courses designated by the individual engineering departments. Prerequisites for the CBK courses will not be included in the calculations for CBK grade point average. See descriptions of individual majors and written requirements available from the departmental offices.

NOTES:
1. Entering students will be given a placement test in mathematics. Test results will be used in selecting the appropriate starting course which may be at a higher or lower level.
2. Total requirements in this area are dependent on the individual majors. See the departmental major curriculum for course requirements.
3. CHEM requires 8 hours of Freshman Chemistry, which may be satisfied by CHEM 101 or CHEM 107 and 102; CBE for CHEM 101 or CHEM 107 plus CHEM 102; or 8 hours of CBE for CHEM 101 or CHEM 107 and CHEM 102.

In addition the following changes should be made:

IN THE FIRST SEMESTER OF THE SOPHOMORE YEAR CHANGE:

PHYS 208 (3-3) 4 TO Directed Elective 3

And reduce the total hours for this semester by 1 for the Aerospace, Bio-medical, Civil, Computer-CS Track, Computer-EE Track, Electrical, Industrial, Mechanical, Nuclear, Ocean, Radiological Health Engineering Curricula.

IN THE FIRST SEMESTER OF THE JUNIOR YEAR MAKE THE SAME CHANGE AS ABOVE FOR THE CHEMICAL ENGINEERING CURRICULUM.

FOR PETROLEUM ENGINEERING SEE THE ATTACHED.

BECAUSE THE CHANGE OF ENGD 105 AND ENGR 109 TO ENGR 111 AND 112 CAUSED A 1 HOUR REDUCTION IN THE CURRICULA, AND BECAUSE INDUSTRIAL ENGINEERING AND CIVIL ENGINEERING WERE ALREADY AT 128 HOURS, THESE CURRICULA ARE ALSO MODIFIED:

INEN- Add 1 hour of technical elective in the second semester of the senior year.

CVEN- Add 1 hour of technical elective in the first semester of the senior year.

THE PROGRAMS IN ENGINEERING TECHNOLOGY AND INDUSTRIAL DISTRIBUTION WILL NOT CHANGE THEIR CURRICULA WITH RESPECT TO ENGD 105 AND OR ENGR 109 AT THIS TIME.

ON PAGE 48 CHANGE REFERENCES TO ENGD 105 AND ENGR 109 TO ENGR 111 AND 112 AS SHOWN ON ATTACHED.

ON PAGE 248 IN THE LAST SENTENCE ON THE PAGE, DELETE ENGD 105 AND ENGR 109 AND ADD ENGR 111 AND ENGR 112.

ON PAGE 249 IN THE THIRD PARAGRAPH EXCHANGE ENGR 109 WITH ENGR 111.

ON PAGE 258 IN THE LAST PARAGRAPH DELETE ENGD 105 AND ENGR 109 AND ADD ENGR 111 AND ENGR 112.

ON PAGE 263 IN THE FIRST PARAGRAPH DELETE ENGD 105 AND ENGR 109 AND ADD ENGR 111 AND ENGR 112.

ON PAGE 282 IN THE SENTENCE BELOW (See Freshman Year) DELETE ENGD 105 AND ENGR 109 AND ADD ENGR 111 AND ENGR 112.

ON PAGE 286 IN THE LAST PARAGRAPH DELETE ENGD 105 AND ENGR 109 AND ADD ENGR 111 AND ENGR 112.