



THE FACULTY SENATE

October 10, 2001

MEMORANDUM

TO: President Ray M. Bowen

SUBJECT: Certification Programs

At its regular meeting on October 8, 2001, the Faculty Senate approved the following certification program item from the University Curriculum Committee and submits it for your approval. Attached is a copy of the material sent to our Senators.

Certification Programs

Dwight Look College of Engineering

Engineering Certification Programs

Certification in Systems Safety Engineering (**FS.19.051**)

Thank you for your time and consideration. Please inform me of your action on this matter.

Handwritten signature of Richard L. Carlson in cursive.

Richard L. Carlson
Speaker, 2000-2001

Attachment

cc: Dr. Ronald G. Douglas
Dr. Janis P. Stout
Dr. Mary Jo Richardson
Ms. Linda F. Lacey
Dr. Roland Haden

Approved:

Handwritten signature of Ray M. Bowen in cursive, written over a horizontal line.

Ray M. Bowen, President

3/13/02
Date



DWIGHT
LOOK
COLLEGE OF
ENGINEERING
TEXAS A&M
UNIVERSITY

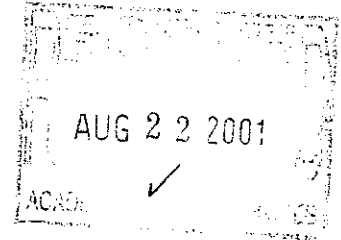
TEXAS
ENGINEERING
EXPERIMENT
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ENGINEERING PROGRAM • THE TEXAS A&M UNIVERSITY SYSTEM

August 20, 2001



MEMORANDUM

TO: University Curriculum Committee

SUBJECT: ENGINEERING CERTIFICATION PROGRAMS

As requested at Academic Operations Committee (AOC) August 16, Dwight Look College of Engineering asks for the following certification programs' notation be inserted on transcripts.

Systems Safety Engineering Specialty

The Systems Safety Engineering Specialty prepares the graduate for positions in several areas of safety engineering. Students completing 15 semester credit hours of the following courses earn a Systems Safety Engineering Specialty Certificate and the specialty is recorded on the students' permanent University transcript. This specialty is administered through the Office of the Dean of Engineering. The Safety Certificate has been on transcripts since Spring 1994. The Safety Program coordinator reviews each student's course work prior to certification; both the coordinator and the Dean must then approve each student before the certificate is awarded. 165 engineering students have been certified from Spring 1994 through August 2001.

To earn the certificate, students are required to take:

Course	(Th-Pr)	Cr
SENG 310 Industrial Hygiene Engineering	(3-0)	3
SENG 312 Systems Safety Engineering	(3-0)	3
SENG 321 Industrial Safety Engineering	(3-0)	3

Students select one of the following:

SENG 313 Product Safety Engineering	(3-0)	3
SENG 322 Fire Protection Engineering	(3-0)	3
SENG 409 Radiological Safety	(3-0)	3
SENG 455 Process Safety Engineering	(3-0)	3
SENG 477 Air Pollution	(3-0)	3
CHEN 458 Fundamentals of Environmental Remediation Processes	(3-0)	3
CVEN 405 Environmental Protection and Public Health	(3-0)	3

In addition, students select:

SENG 424 Sys. Safety Analysis and Design (3-0) 3

or

SENG 439 Ergonomics Design (3-0) 3

or

Any preapproved engineering capstone design course that has a safety element in the design project. Examples include AGEN 480, CHEN 426, CVEN 456

German Certificate Program for Dwight Look College of Engineering

In Fall 1999 the College of Engineering and the Modern and Classical Languages Department developed a German language Certificate Program. Courses in language, culture and area studies combine to provide a certificate in German and international studies for students majoring in any curriculum in the Dwight Look College of Engineering. The certificate program prepares the graduate for positions in multinational companies, foreign organizations and specific countries in which German is used. Because of limited resources, the program will have a cap on the number of students admitted to the program. All courses in the program must be completed with a grade of C or better. The certificate will be awarded upon completion of a B.S. degree in the Look College of Engineering. To earn the certificate, students are required to take:

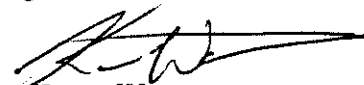
GERM 200-level Courses*	6 credits
Area Studies Courses**	
Humanities or Visual Performing Arts	3 credits
Social and Behavioral Sciences	3 credits
German culture/literature/advanced language	3 credits
International Experience Component***	

* See your major academic advisor for recommended or required language sections.

** See the Department of Modern and Classical Languages and your major academic advisor for a list of courses that meets each of these requirements. Often, a course, if chosen in consultation with your major academic advisor, will satisfy both an area studies requirement and a University Core Curriculum requirement.

*** The international experience requirement is individualized, and it must be approved by the Look College of Engineering. It may be satisfied by an approved study abroad program, an international internship, a directed study experience, or another approved course or field experience.

It is our understanding that the **Engineering Scholars Program (ESP)** designation will remain on the transcript because it is an honors recognition.


Karan Watson
Associate Dean

c: Undergraduate Advisors