



School of Civil and Environmental Engineering

Georgia Institute of Technology
Atlanta, GA 30332-0355

February 14, 2005

Dr. Scott Wills
Chair, Institute Undergraduate Curriculum Committee
ECE – 0250

The School of Civil and Environmental Engineering requests Institute Undergraduate Curriculum Committee approval of the following items, all of which have been approved by the CEE faculty.

1. Modification of the degree requirements for the Bachelor of Science in Civil Engineering. There is no net change in the number of credit hours required for the degree.
 - a. **Modify** the Social Sciences requirement to read as follows:

Social Sciences, twelve hours: must include HIST 2111, HIST 2112, POL 1101, PUBP 3000, or INTA 1200; must include ECON 2100, ECON 2105, ECON 2106, *or a course satisfying the Global Economics requirement of the International Plan degree designation*; refer to pages 31-32 for a list of approved courses to satisfy the remaining hours.
2. Allow students to pursue the International Plan degree designation in conjunction with satisfaction of the BSCE degree requirements. The School will not impose any additional restrictions on pursuit of the degree designator.

Students can satisfy the course requirements for the degree designation within the existing credit hours for the degree through appropriate selection of electives. For example:

- a) Global economics, international relations, and area-focused courses – social sciences electives
- b) Culminating course – approved electives or incorporated into other coursework
- c) Language courses – humanities electives (6 hours) and, if needed, approved electives (6 hours)

A sample 8-semester schedule is attached that illustrates a “junior year abroad” at a non-U.S. university. This is an example only; students will be allowed to complete any international experience option allowed under the Institute requirements.

Thank you for your consideration of this request.

Joseph Hughes
Professor and Chair

ENDORSED:

Dean, College of Engineering

Provost

**Bachelor of Science in Civil Engineering
with “International Plan” designator**

Example 8-Semester Schedule (Junior Year at University Stuttgart or TU Munich)

Freshman Year

3-2-4	MATH 1501	Calculus I	3-2-4	MATH 1502	Calculus II
3-3-4	CHEM 1310	General Chemistry	3-3-4	PHYS 2211	Introductory Physics I
H 3-0-3	GRMN 1001	Elementary German I	2-3-3	CEE 1770	Engrg Graphics
H 3-0-3	ENGL 1101	English Composition I	H 3-0-3	ENGL 1102	English Composition II
<u>S</u> 3-0-3		History/Government	<u>H</u> 3-0-3	GRM 1002	Elementary German II
15-5-17			14-8-17		

Sophomore Year

2-0-2	COE 2001	Statics	3-0-3	CEE 2300	Intro Environ Engrg
2-3-3	CS 1371	Computing for Engr	3-0-3	CEE 3000	CEE Systems
3-2-4	MATH 2401	Calculus III	3-2-4	MATH 2403	Differential Equations
3-3-4	PHYS 2212	Introductory Physics II	2-0-2	CEE 2040	Dynamics
<u>A</u> 3-0-3	GRMN 2001	Intermediate German I	2-0-2	HPS 1040	Wellness
13-8-16			<u>A</u> 3-0-3	GRMN 2002	Intermediate German II
			16-2-17		

Junior Year (University of Stuttgart or TU Munich)

3-0-3	CEE 3040	Fluid Mechanics	3-0-3	ME 3322	Thermodynamics
3-0-3	CEE Technical Elective		3-0-3	CEE 3770	Probability/Statistics
3-0-3	CEE Technical Elective		3-0-3	CEE Technical Elective	
3-0-3	COE 3001	Deformable Bodies	3-0-3	CEE Technical Elective	
<u>S</u> 3-0-3		German Culture	3-0-3	CEE Technical Elective	
15-0-15			<u>S</u> 3-0-3	Social Science Elective (Ethics)	
			15-0-15		

Senior Year

3-3-4	Science Elective		3-0-3	CEE Breadth Elective	
2-3-3	CEE 3020	CE Materials	3-0-3	CEE Breadth Elective	
2-3-3	CEE 4200	Hydraulics	3-0-3	CEE Technical Elective	
3-0-3	CEE Breadth Elective		3-0-3	COE Elective	
<u>S</u> 3-0-3		Economics	<u>3-0-3</u>	CEE 4090	Capstone Design (Intl)
13-9-16			15-0-15		

Total Hours: 128

Humanities: 12 hours

Social Sci: 12 hours

Appr Elec: 6 hours (Applied to Satisfy Language)

NOTES: Actual elective credit hours may differ from those shown in this example.

Flexibility in course selection and scheduling depends heavily on AP credit and/or prior language experience.