

# Civil, Construction & Environmental Engineering Welcomes ISU/LZJTU Program Students from China

Summer, 2009

## ISU/LZJTU Partnership

In 2001, the department of Civil, Construction & Environmental Engineering of Iowa State University established a dual-degree program in Civil Engineering with Lanzhou-Jiaotong University, Gansu Province. Since then, the CCEE department has committed to enrolling Chinese students, engaging ISU faculty with education/research opportunities in China, and educating ISU engineering students at the international engineering level. The first cohort of 9 students arrived at the ISU campus 2006 after completing the first two years of the curriculum at Lanzhou Jiaotong University. Succeeding cohorts have had increasing numbers of students (15, 18, 27) and a new group of six students in environmental engineering is slated to arrive in ISU during the summer of 2010.



## For more information, contact-

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## Lanzhou Jiaotong University, Gansu Province, People's Republic of China

Lanzhou Jiaotong University was established in 1958 as one of the six major universities that focus on transportation engineering and associated fields. With a student population of 26,000, LZJTU offers 45 undergraduate and 39 post-graduate programs primarily related to areas within engineering.

## Gansu Province, People's Republic of China

Located in the Northwest part of China, Gansu province holds an important position in China in terms of economy, history, military technology, agriculture, engineering and culture. With a population of 260 million, it is recognized by the national government as the leading province in the national project to develop the Northwest six provincial areas. The Gansu Province also serves as an important industrial foundation to China, leading in the production of oil, electricity, scarce metals, coal, and steel.



**IOWA STATE UNIVERSITY**

*Becoming the best.*

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## Proposed Course of Study for the Environmental Option Students

### Spring Sophomore Year

CE 205 Engineering Synthesis via distance education  
with short course in Lanzhou in early May

### Summer

English 101 (depending upon results of English placement test)  
CHEM 231L Organic Chemistry Lab

### Fall Semester Junior Year

EM 324 Mechanics of Materials  
EM 327 Mechanics of Materials Lab  
CE 427 Environmental Engineering Science  
CE 360 Soil Engineering  
CE 305 Professional Issues in Civil Engineering  
GEOL 201 Geology for Engineers and Environmental Scientists

### Spring Semester Junior Year

CE 372 Engineering Hydrology and Hydraulics  
CE 382 Design of Concretes  
CE 306 Civil Engineering Project Management  
CE 326 Principles of Environmental Engineering  
CE 355 Principles of Transportation Engineering  
BIOL 211 Principles of Biology

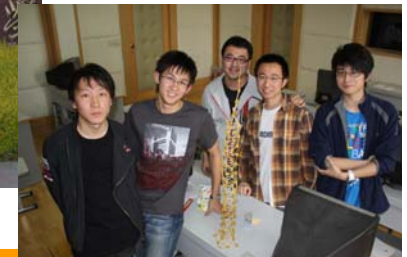
### Fall Semester Senior Year

CE 334 Reinforced Concrete Design I  
CE 485 Civil Engineering Design I  
CE 429 Environmental Engineering Science  
MICRO 201 Introduction to Microbiology  
SPCM 212 Speech Communication  
SSH Elective

### Spring Semester Senior Year

CE 486 Civil Engineering Design II  
CE 403 Program and Outcome Assessment  
CE 428 Water and Wastewater Treatment Plant Design  
SSH Electives  
Numerical Analysis Elective  
Engineering Topics Electives

*Notes: this proposed program of study is dependent on the final transfer credit evaluation as determined by the department of admissions as well as approval by the civil engineering curriculum committee. It was assumed that the incoming students would be given credit for EM 274 Statics of Engineering, CHEM 231 Organic Chemistry, and EM 378 Mechanics of Fluids. It is estimated that the transfer credit evaluation for these students will provide them with approximately 70 credits. The students will need 130.5 credits for the Civil Engineering (Environmental Option) degree in the CCEE Department.*



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