

# GERMAN IEP – CIVIL ENGINEERING

## For students entering Fall 2006 (IEP Class 2011)

The academic plan below is a *sample* to demonstrate one way the dual degree program may be completed in 10 semesters. It is not meant to be a replacement for academic advising. Be sure to touch base with both your language and engineering advisor regularly.

FALL SEMESTER		SPRING SEMESTER	
<b>Year One</b>	CHM 101 Gen. Chem. 3 CHM 102 Lab. For Chem. 1 EGR 105 Foundations of Engr. I 1 GER 101 German for Engineers 3 MTH 141 Calculus I 4 PHY 203/273 Elem. Phys I & Lab. 4 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> <b>16</b>	ECN 201 Microeconomics (S) 3 EGR 106 Foundations of Engr. II 2 GER 102 German for Engineers 3 MTH 142 Calculus II 4 PHY 204/274 Elem. Phys. II & Lab. 4 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> <b>16</b>	
<b>Year Two</b>	CVE 240/241 Geomatics & Lab. 4 CVE 250 CADD for Civil Engineers 3 MCE 262 Statics 3 MTH 243 Calculus III 3 GER 103 Intermediate German I 3 Gen. Ed. Requirement (COM 100 or WRT 104) 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> <b>19</b>	CVE 220 Mechanics of Materials 3 CVE 221 Mech. of Materials Lab. 1 MTH 244 Differential Equations 3 MCE 263 Dynamics 3 GER 104 Intermediate German II 3 Gen. Ed. Requirement 3 Gen. Ed. Requirement 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> <b>19</b>	
<b>Year Three</b>	CVE 346 Transportation 3 CVE 354/355 Structural Analysis & Lab 4 CVE 374/375 Environmental & Lab. 4 GER 205 Conv. & Comp. I 3 MCE 354 Fluid Dynamics 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> <b>17</b>	CVE 370/371 Hydraulic Eng. & Lab. 4 CVE 347/348 Highway Eng. & Lab. 4 GEO 103 Geology & Lab 4 GER 206 Conv. & Comp. II 3 Gen. Ed. Requirement 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> <b>18</b>	
<b>Suggested Semester Abroad</b>		<b>International Internship Semester</b>	
<b>Year Four</b>	<sup>a</sup> CVE Professional Elective 3 EGR/GER 411 (Tech Elective) 3 GER 3xx 4-7 STA 409 Statistical Methods in Rsch. I 3 Gen. Ed. Requirement (L) 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> <b>16-19</b>	Internship In German-Speaking Country <b>3-6</b> GER 315-316	
<b>Year Five</b>	CVE 381/382 Geotechnical & Lab. 4 CVE 465/466 Concrete & Lab 4 CVE 497 Capstone Design I 2 <sup>a</sup> CVE Professional Elective 3 GER 4xx 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> <b>16</b>	CVE 483 Foundation Engineering 3 CVE 498 Capstone Design II 3 <sup>a</sup> CVE Professional Elective 3 Gen. Ed. Requirement 3 400-Level German Lit. (A) 3 <hr style="width: 50%; margin-left: auto; margin-right: 0;"/> <b>15</b>	

<sup>a</sup>Three of the *nine* credits of Professional Electives **must** be selected from the following courses; CVE 470, 471, 475, 478.

**GEN ED TALLY** (See special notes about General Education Requirements on the reverse and consult with the university catalog and your major advisors.)

- EC: \_\_\_\_\_
- ECw: \_\_\_\_\_
- L (reserve one for TUBS): \_\_\_\_\_
- L: \_\_\_\_\_

- S: \_\_\_\_\_
- S (use ECN 201): \_\_\_\_\_
- A (400-level German Lit.): \_\_\_\_\_
- A (fine art): \_\_\_\_\_

## **BASIC LIBERAL STUDIES (GEN ED) REQUIREMENTS** (See course catalog for more detail.)

**English Communications (EC):** 6 credits, one of which must be a writing course (Ecw.)

**Social Science (S):** 6 credits, one of which is fulfilled by ECN 201, which is already required for CVE majors. Consider opting for a second course with a global focus, or a focus on Germany or Europe.

**Letters (L):** 6 credits. Consider taking a German History class (HIS 327 at URI or in Braunschweig) to fulfill one of your two general education Letters requirements. Consider taking “Landeskunde” (LET 151) in Braunschweig to fulfill the other requirement.

### **Fine Arts and Literature (A):**

1. **3 credits of literature:** As an IEP student the 400-level German literature course fulfills the literature portion of the Fine Arts & Literature requirement. (NOTE: This is a special exemption. If you later drop the program but keep your language major you might need to take an additional literature course.)
2. **3 credits of fine arts:** You must choose from music, theater, arts selections as indicated in catalog, or seek prior-approval for a comparable course abroad.

**Note:** There are additional General Education Requirements in *Mathematical and Quantitative Reasoning*, *Natural Sciences*, and *Foreign Language/Cross-Cultural Competence*, which will be fulfilled automatically through your progress toward degrees in both engineering and a language.

## **REQUIREMENTS FOR CIVIL ENGINEERING MAJOR** (See course catalog and department website for more detail.)

EGR 105, 106; CHM 101, 102; MTH 141, 142, 243, 244; PHY 203, 204, 273, 274; ECN 201; STA 409; CVE 220, 221, 240, 241, 250, 346, 347, 348, 354, 355, 370, 371, 374, 375, 381, 382, 465, 466, 483, 497, 498; three professional electives (one may be fulfilled by GER/EGR 411 with prior approval; one must be selected from the following: CVE 470, 471, 475, 478)

## **REQUIREMENTS FOR IEP GERMAN MAJOR** (See course catalog for more detail.)

At least 30 credits in German, not including GER 101, 102, or 392. You must complete six credits in literature, at least three of which must be taken at the 400-level; and EGR/GER 411.

## **SPECIAL NOTES FOR STUDENTS IN THE INTERNATIONAL ENGINEERING PROGRAM**

- As a dual degree IEP student, **you are a student of both the College of Arts & Sciences and the College of Engineering**. Be sure to file for graduation (and any other paperwork such as a leave of absence, etc.) with the dean’s office of each college.
- You have two academic advisors – one for your language major and one for your engineering major. The German advisor for all IEP students is Walter von Reinhart (waltaire@uri.edu.) You can check with your engineering department to find out who has been assigned as your engineering advisor.
- **Your general education requirements are for a B.A. (not a B.S.) as determined by the College of Arts & Sciences Basic Liberal Studies Program.** Consult the course catalog for details and verify any general education questions with your language advisor.
- As an IEP student, **you are exempt from the one-course-per-discipline rule** for the Letters, Natural Sciences, and Social Sciences Basic Liberal Studies Requirements of the College of Arts & Sciences. This is important to know in the event that you drop the program but still want to pursue your German major as a non-IEP student.
- You are required to complete a six-month professional internship abroad to be considered an IEP student.
- **It is highly recommended that you precede your semester internship with a semester of study abroad through an IEP exchange.** General education requirements, language major courses, free electives and engineering professional electives tend to be the easiest courses to find equivalents for overseas, so you might want to “hold” them for a semester abroad. Consult with your advisors and plan your semesters accordingly.
- **It is YOUR responsibility to stay in contact with your engineering major advisor AND your language major advisor to make sure that you are fulfilling all requirements for both majors and your general education requirements!**