

GERMAN IEP – CIVIL ENGINEERING

For students entering Fall 2010 (Class of 2015)

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			SPRING		
Year One	✓ Course Description	Cr	✓ Course	Cr	
	CHM 101 General Chemistry I Lecture	3	ECN 201 Microeconomics (S)	3	
	CHM 102 General Chemistry I Lab	1	EGR 106 Foundations of Engineering II	2	
	EGR 105 Foundations of Engineering I	1	GER 102 German for Engineers II	3	
	GER 101 German for Engineers I	3	MTH 142 Intermed Calculus w/ Analytic Geometry	4	
	MTH 141 Intro Calculus w/ Analytic Geometry	4	PHY 204 Elementary Physics II	3	
	PHY 203 Elementary Physics I Lecture	3	PHY 274 Elementary Physics II Lab	1	
	PHY 273 Elementary Physics I Lab	1			
Semester Credits	16	Semester Credits	16		
FALL			SPRING		
Year Two	✓ Course	Cr	✓ Course	Cr	
	CVE 205 Intro to Civil Engineering Tools	1	CVE 220 Mechanics of Materials	3	
	GEO 103 Understanding the Earth	4	CVE 230 Mechanics of Materials Lab	1	
	General Education Requirement (COM 100 or WRT 104)	3	General Education Requirement	3	
	GER 103 Intermediate German I	3	General Education Requirement	3	
	MCE 262 Statics	3	GER 104 Intermediate German II	3	
	MTH 243 Multivariable Calculus	3	MCE 263 Dynamics	3	
			MTH 244 Differential Equations	3	
Semester Credits	17	Semester Credits	19		
FALL			SPRING		
Year Three	✓ Course	Cr	✓ Course	Cr	
	CVE 346 Transportation Engineering	3	CVE 347 & 348 Highway Engineering & Lab	4	
	CVE 354 & 355 Structural Analysis & Lab	4	CVE 370 Hydraulic Engineering	3	
	CVE 374 Environmental Engineering	3	CVE 375 Environmental Engineering Lab	1	
	GER 205 Conversation & Composition I	3	Engineering Elective*	3	
	MCE 354 Fluid Mechanics	3	General Education requirement	3	
			GER 206 Conversation & Composition II	3	
Semester Credits	16	Semester Credits	17		
Suggested Semester Abroad			International Internship Semester		
Year Four	✓ Course	Cr	✓ Course	Cr	
	EGR/GER 411 (Tech Elective)	3	Internship in German-Speaking Country		
	General Education Requirement	3	GER 315-316	3 to 6	
	GER 3xx	4 to 7			
	Professional Elective**	3			
	STA 409 Statistical Methods in Research I	3			
Semester Credits	16 to 19	Semester Credits	3 to 6		
FALL			SPRING		
Year Five	✓ Course	Cr	✓ Course	Cr	
	CVE 381 & 382 Geotechnical Engineering & Lab	4	4xx German Literature (A)	3	
	CVE 465 Concrete Structures	3	CVE 483 Foundation Engineering	3	
	CVE 497 Civil Engineering Design I	2	CVE 498 Civil Engineering Design II	3	
	GER 4xx	3	General Education Requirement	3	
	Professional Elective**	3	Professional Elective**	3	
		Professional Elective**	3		
Semester Credits	15	Semester Credits	18		

* FE examination course. Select a course from ELE 220, IME 404, MCE 341

** 3 of the 12 credits must be from one of 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.)

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|--|---|
| <input type="checkbox"/> EC: _____ | <input type="checkbox"/> S: _____ |
| <input type="checkbox"/> ECw: _____ | <input type="checkbox"/> S (use ECN 201): _____ |
| <input type="checkbox"/> L (reserve one for TUBS): _____ | <input type="checkbox"/> A (400-level German Lit.): _____ |
| <input type="checkbox"/> L: _____ | <input type="checkbox"/> 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.)

CHM 101, 102; CVE 205, 220, 230, 346, 347, 348, 354, 355, 370, 374, 375, 381, 382, 465, 483, 497, 498; ECN 201; EGR 105, 106; GEO 103; MCE 262, 263, 354; MTH 141, 142, 243, 244; PHY 203, 204, 273, 274; STA 409; four 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); one engineering elective (ELE 220, IME 404, MCE 341)

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!**