



ACADEMIC MAP
CHINESE IEP (TRACK B) -
CHEMICAL ENGINEERING
(BIOLOGY TRACK)
 Entering year: 2015

Chinese IEP students pursue two degrees simultaneously: a B.S. in an engineering discipline and a B.A. in Chinese. Students in the Chinese IEP spend a semester at Zhejiang University in Hangzhou, China. Following their time at Zhejiang, students spend six months at a paid internship in China at a major global engineering firm. In the past, students have interned at the likes of Hasbro, Bayer Technology Services and General Motors. Chinese IEP students have two advisors: one in engineering, and one in Chinese. For more information, see <http://uri.edu/iep/>.

Year 1

SEMESTER 1	CREDITS
CHM 101*	3
CHM 102*	1
EGR 105*	1
MTH 141*	4
PHY 203*	3
PHY 273*	1
CHN 101	3
TOTAL CREDITS	16

SEMESTER 2	CREDITS
BIO 101	3
BIO 103	1
CHM 112*	3
CHM 114*	1
EGR 106*	2
MTH 142*	4
CHN 102	3
TOTAL CREDITS	17

SEMESTER MILESTONES
Overall GPA 2.00
*Complete with "C-" or better
Meet with UC engineering advisor - Required
Enroll in IEP and attend IEP Orientation in Fall

SEMESTER MILESTONES
Overall GPA 2.00
*Complete with "C-" or better
Meet with EGR advisor - Required
Meet with IEP advisor - Required

Year 2

SEMESTER 3	CREDITS
CHE 212	3
CHM 227	3
MTH 243	3
ECN 201	3
Gen Ed	3
CHN 103	3
TOTAL CREDITS	18

SEMESTER 4	CREDITS
BCH 311 or BIO 341	3
CHE 272	3
CHE 313	3
CHE 232	3
MTH 244	3
CHN 104	3
TOTAL CREDITS	18

SEMESTER MILESTONES
Overall GPA 2.00
Meet with engineering advisor - Required
Eligible to move from UC to COE (see UC requirements)

SEMESTER MILESTONES
Overall GPA 2.00
Meet with engineering advisor - Required
Meet with IEP advisor - Required
Summer Study in Chinese - Strongly Recommended

Year 3

SEMESTER 5	CREDITS
BIO 341 or BCH 311	3
CHE 314	3
CHE 347	3
PHY 204	3
PHY 274	1
Gen Ed	3
CHN 205	3
TOTAL CREDITS	19

SEMESTER MILESTONES
Overall GPA 2.00
Meet with EGR advisor - Required
Study abroad preparation meetings with IEP advisor

SEMESTER 6	CREDITS
BIO 352	4
CHE 348	3
CHE 364	3
MIC 211	4
CHN 206	3
TOTAL CREDITS	17

SEMESTER MILESTONES
Overall GPA 2.5 to be eligible for study abroad year
Meet with EGR advisor - Required
Study/work abroad preparation with IEP advisor

Year 4

SEMESTER 7	CREDITS
Gen Ed	3
Gen Ed	3
Gen Ed	3
CHN 3xx or 4xx	3
CHN 3xx or 4xx	3
TOTAL CREDITS	15

SEMESTER MILESTONES
Semester of study at partner university abroad
Email EGR advisor to lift Spring advising hold

SEMESTER 8	CREDITS
CHN xxx	3-6
TOTAL CREDITS	3-6

SEMESTER MILESTONES
Complete international engineering internship
Email EGR advisor to lift Fall advising hold

Year 5

SEMESTER 9	CREDITS
CHE 428	1
CHE 345	2
CHE 349	2
CHE 351	3
CHE 425	3
Gen Ed	3
EGR/CHN 413 (professional elective)	3
TOTAL CREDITS	17

SEMESTER MILESTONES
Overall GPA 2.00
Meet with EGR advisor to complete COE Intent to Graduate form - Required
Meet with IEP advisor for credit transfers and A&S Intent to Graduate form - Required
Schedule COE Exit Interview

SEMESTER 10	CREDITS
BIO 437	3
CHE 346	2
CHE 352	3
Approved Mathematics elective	3
Approved Professional elective	3
CHN 4xx (Literature)	3
TOTAL CREDITS	17

SEMESTER MILESTONES
Overall GPA 2.00
Meet with EGR advisor - Required

GENERAL EDUCATION CHECK LIST

English Communication (EC): _____

English Communication (ECw): _____

Letters (L): _____

Letters (L): _____

Social Science: _____

Social Science (use ECN 201): _____

Literature (400-level CHN Lit.): _____

Fine Arts: _____

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

English Communications (EC): 6 credits, one must be a writing course (ECw). Can only take one of the following 100-level writing courses for General Education credit: WRT 104, WRT 105, WRT 106 (ECw).

Social Science (S): 6 credits, one course is fulfilled by ECN 201, which is already required for CHE majors. Consider opting for a second course with a global or China/Asia focus, i.e. PSC 116 or 377.

Letters (L): 6 credits. Consider taking a Chinese/Asian History or Philosophy class, such as HIS 171, 374; PHL 331; or RLS 131, to fulfill one of your two general education Letters requirements.

Fine Arts and Literature (A):

1. **3 credits of literature:** As an IEP student the 400-level Chinese 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. Consider taking a course with a Chinese/Asian focus.

Note: There are additional General Education Requirements in *Mathematical and Quantitative Reasoning*, *Natural Sciences*, and *Foreign Language/Cross-Cultural Competence*, which are fulfilled automatically through your progress toward your two degrees (B.S. in Engineering and B.A. in a Language).

REQUIREMENTS FOR THE CHEMICAL ENGINEERING--BIOLOGY TRACK MAJOR (See course catalog and department website for more detail.) BCH 311; BIO 101, 341, 352, 437; CHE 212, 272, 313, 314, 328, 332, 345, 346, 347, 348, 349, 351, 352, 425 464; CHM 101, 102, 112, 114, 227; ECN 201; EGR 105, 106; MIC 211; MTH 141, 142, 243, 244 or 362; PHY 203, 273, 204, 274; one approved mathematics elective (MTH 215 or any 300-500 level MTH course except MTH 381); two approved professional electives (one may be fulfilled by EGR/CHN 413 with prior approval--be sure to check which semester this course is offered in a given year).

REQUIREMENTS FOR IEP CHINESE MAJOR (See course catalog for more detail.) At least 30 credits in CHN, not including CHN 101 or 102. You must complete six credits in Chinese literature and civilization, at least three of which must be taken at the 400 level; and CHN/EGR 413 (this course may satisfy an engineering elective for the CHE major). You must also complete six credits in Chinese/Asian history, Chinese/Asian politics, or Chinese/Asian philosophy offered through other departments in English; select from the following, which can be counted towards the General Education requirement: HIS 171, 374; PHL 331; RLS 131; PSC 116, 377; or from other courses on Chinese culture and civilization as approved by the program director.