

**THE
UNIVERSITY
OF RHODE ISLAND**

**ACADEMIC MAP
SPANISH IEP TRACK B -
CHEMICAL ENGINEERING
(PHARMACEUTICAL TRACK)
Entering year: 2015**

Spanish IEP students pursue two degrees simultaneously: a B.S. in an engineering discipline and a B.A. in Spanish. Spanish IEP students study abroad in Spain, Mexico or Chile. Spanish partner universities include the University of Navarra, University of Cantabria and University of Zaragoza. In Mexico, the program partners with the Monterrey Institute of Technology and Higher Education, and in Chile, with Pontificia Universidad Católica de Valparaíso in Chile. After their semester at a partner university, students complete internships in Spain or in Latin America. Students have interned at Hilti in Spain and Sensata in Mexico, among other companies. 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
SPA 103	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
SPA 104	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
SPA 205	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
SPA 206	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

Year 3

SEMESTER 5	CREDITS
BCH 311 or BIO 341	3
BPS 301	2
BPS 303	2
BPS 305	2
CHE 314	3
CHE 347	3
SPA 325	3
TOTAL CREDITS	18

SEMESTER 6	CREDITS
BPS 425	3
CHE 348	3
CHE 364	3
PHY 204	3
PHY 274	1
Gen Ed	3
SPA 321	3
TOTAL CREDITS	19

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

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
EGR/SPA 412 (professional elective)	3
Gen Ed	3
Gen Ed	3
Gen Ed	3
Engineering course	3
SPA 3xx or 4xx	3
TOTAL CREDITS	18

SEMESTER 8	CREDITS
SPA 316-317	3-6
TOTAL CREDITS	3-6

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

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

Year 5

SEMESTER 9	CREDITS
MIC 211	4
CHE 345	2
CHE 349	2
CHE 351	3
CHE 425	3
CHE 428	1
SPA 4xx	3
TOTAL CREDITS	18

SEMESTER 10	CREDITS
CHE 346	2
CHE 352	3
CHE 548 (or approved professional elective)	3
CHE 574	3
Gen Ed	3
SPA 4xx (Lit)	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 MILESTONES
Overall GPA 2.00
Meet with EGR advisor - Required

GENERAL EDUCATION CHECK LIST

English Communication (EC): _____

Social Science: _____

English Communication (ECw): _____

Social Science (use ECN 201): _____

Letters (L): _____

Literature (400-level SPA Lit.): _____

Letters (L): _____

Fine Arts: _____

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

English Communications (EC): 6 credits, must include 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 fulfilled by ECN 201, which is already required for engineering majors. Consider opting for a second course with a global or Spanish focus.

Letters (L): 6 credits. Consider taking a Spanish History or Philosophy class 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 Spanish 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 Spanish 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--PHARMACEUTICAL TRACK MAJOR (See course catalog and department website for more detail.) BCH 311; BIO 101, 341; BPS 301, 303, 305, 425; CHE 212, 272, 313, 314, 328, 332, 345, 346, 347, 348, 349, 351, 352, 425, 464, 574, 548; CHM 101, 102, 112, 114, 227; ECN 201; EGR 105, 106; MTH 141, 142, 243, 244 or 362; PHY 203, 204, 273, 274; one professional elective (may be fulfilled by EGR/SPA 412 with prior approval).

REQUIREMENTS FOR IEP SPANISH MAJOR (See course catalog for more detail.) 30 credit in SPA at the 103-level and above, including 312, 316, 317, 321, 325, a 400-level engineering course taught in Spanish, and a 400-level literature course. IEP students beginning their study of Spanish at the 200-level or higher may opt to take up to six credits of Portuguese toward the completion of the major in Spanish. SPA 321 must be taken prior to the internship experience.

SPECIAL NOTES FOR STUDENTS IN THE INTERNATIONAL ENGINEERING PROGRAM

- As a dual degree IEP student, you are a student of both the College and 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. Check with your engineering department and the IEP website for more information.
- Your general education requirements are determined by the College of Arts & Sciences Basic Liberal Studies

Program for a Bachelor of Arts (not a B.S.). Consult the course catalog for details and verify any Gen Ed 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 Spanish 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.