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 Year One
- **Course**
  - CHM 101 General Chemistry I Lecture 3
  - CHM 102 General Chemistry I Lab 1
  - EGR 105 Foundations of Engineering I 1
  - MTH 141 Intro Calculus w/ Analytic Geometry 3
  - PHYS 111 Intro Physics I Lab 1
  - FRN XXX
- **Semester Credits** 16

### Spring Year One
- **Course**
  - EGR 106 Foundations of Engineering II 3
  - PHY 204 Elementary Physics II 3
  - PHYS 112 Intro Physics II 1
  - PHY 274 Elementary Physics II Lab 1
  - PHYS 211 Intro Electricity & Magnetism 3
  - FRN XXX
- **Semester Credits** 17

### Fall Year Two
- **Course**
  - BIO 121 Human Anatomy 4
  - BME 281 Biomedical Engineering Seminar I 1
  - ELE 201 Digital Circuit Design 3
  - ELE 202 Digital Circuit Design Lab 1
  - ENG 351 Professional Writing 3
  - FRN XXX
- **Semester Credits** 18

### Spring Year Two
- **Course**
  - BIO 242 Introductory Human Physiology 3
  - BME 281 Biomedical Engineering Seminar II 1
  - ELE 201 Digital Circuit Design 3
  - ELE 202 Digital Circuit Design Lab 1
  - ENG 351 Professional Writing 3
  - FRN XXX
- **Semester Credits** 18

### Fall Year Three
- **Course**
  - BIO 341 Principles of Cell Biology 3
  - BME 307 Biomeasurement Lab 3
  - ELE 313 Linear Systems 3
  - ELE 338 Electronics I 3
  - ELE 339 Electronics I Lab 1
  - ECN 201 Principles of Microeconomics (S) 3
  - FRN XXX
- **Semester Credits** 19

### Spring Year Three
- **Course**
  - BME 360 Biomeasurement Systems 3
  - BME 361 Biomeasurement Lab 1
  - ELE 314 Linear Systems and Signals 3
  - ISE 411 Probability and Statistics for Engineers or STA 409 Statistics Methods in Research 3
  - ENG 351 Professional Writing 3
  - FRN XXX
- **Semester Credits** 16

### Suggested Semester Abroad
- **Course**
  - General Education Requirement
  - General Education Requirement
  - General Education Requirement
  - 1 courses FRN 3XX or 4XX
  - Engineering Professional Elective
- **Semester Credits** 15

### International Internship Semester
- **Course**
  - ENG 498 Internship in a Speaking Country 8-6
- **Semester Credits** 3-6

### Fall Year Four
- **Course**
  - BME 461 Physiological Modeling & Control 3
  - BME 464 Medical Imaging 3
  - BME 465 Medical Image Processing Lab 1
  - BME 484 BME Capstone Design I 2
  - ELE 400 Intro to Professional Practice 1
  - Technical Elective 3-4
  - FRN 4XX
- **Semester Credits** 16-17

### Spring Year Four
- **Course**
  - BME 462 Biomedical Instrumentation 3
  - BME 468 Neural Engineering 3
  - BME 485 BME Capstone Design II 2
  - General Education Requirement
  - General Education Requirement
  - FRN 4XX
- **Semester Credits** 17

*Choose from the following: CHE 333, 347, 574; CSC 522; EGR 377; ELE 332, 343/344, 435/436, 437, 438, 444/445, 447/448, 458/459, 501, 506; FRENCH 323; ISE 404, 412; MCE 341, 354, 372; MTH 442, 451, 462, 471.

**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: ________________________________  
- S: ________________________________  
- S (use ECN 201): ________________________________  
- L: ________________________________  
- A (400-level FRN Lit.): ________________________________

2/27/2014
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). 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 of which is fulfilled by ECN 201, which is already required for BME majors. Consider opting for a second course with a global or French focus.

Letters (L): 6 credits. Consider taking a French 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 French 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 French 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 BIOMEDICAL ENGINEERING MAJOR (See course catalog and department website for more detail.)


REQUIREMENTS FOR IEP FRENCH MAJOR (See course catalog for more detail.)

At least 30 credits in French, not including FRN 101, 102, 391, 392, 393. You must complete at least six credits at the 400-level, three credits of which must come from FRN 412, 473, or 474.

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. The French advisor for all IEP students is Dr. Lars Erickson (lars@uri.edu). You can check with your engineering department to find out who has been assigned as your advisor.

- 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 French 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 preceed 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 (Dr. Erickson) to make sure that you are fulfilling all requirements for both majors and your general education requirements.