Physician Shadowing
IN SPAIN

An International Path to Medicine

During the semester-long program, in addition to physician shadowing (16 hours with alternating on and off weeks), and doctor-lead seminars/reflective debriefings, you will be enrolled in Spanish and chemistry classes, that include touring cultural sites in nearby cities. Based on pre-travel questionnaire responses (e.g., academic goals, personal interests, pet affinity, and/or dietary restrictions) and a rigorous host screening, students will be matched with a local family; all meals are covered by the host family. University-provided private health insurance covers doctor, and hospital visits; prescriptions require out-of-pocket purchase.

For more information, contact: Lanna Sheldon at: lanna.sheldon@ttu.edu.

Program Target: Pre-medical/pre-health juniors and seniors

- Work with medical professionals with a different cultural perspective
- Build intercultural communication skills specific to patient care
- Gain a greater global perspective in problem solving and
- Develop fluency in Spanish medical terminology
BA in Chemistry with a Spanish Minor
Example Scheduling Plan

YEAR 1

FALL
- CHEM 1307/1107 – Chemistry I & Lab
- SPAN 1501 – Beginning Spanish I
- MATH 1451 – Calculus I
- ENGL 1301 – Essential Rhetoric

SPRING
- CHEM 1308/1108 – Chemistry II & Lab
- SPAN 1502 – Beginning Spanish II
- MATH 1452 – Calculus II
- ENGL 1302 – Advanced Rhetoric

SUMMER
- ENGL 2307/2322 - Intro to Fiction & Global Lit
- Oral Communication & Art Core Elective

YEAR 2

FALL
- CHEM 3305/3105 – Organic Chemistry I & Lab
- SPAN 2301 – Intermediate Spanish I
- BIOL 1403 – Biology I & Lab
- PHYS 1403 – General Physics I

SPRING
- CHEM 3306/3106 – Organic Chemistry & Lab
- SPAN 2302 – Intermediate Spanish II
- BIOL 1404 – Biology II & Lab
- PHYS 1404 – General Physics II
- FFW Core Elective

SUMMER
- Online Global Scholar Certificate for multicultural credit. (globalscholar.us)
- Language Philosophy & Culture
- Social & Behavioral Sciences (6-Hours)

YEAR 3

FALL (SEVILLE, SPAIN)
- CHEM 3310 – Molecular Biochemistry
- SPAN 3306 – Spanish Life and Culture
- SPAN 3309 – Medical Spanish/Shadowing
- SPAN 4343 – Advanced Language Skills

SPRING
- CHEM 3301 – Descriptive Inorganic Chemistry
- CHEM 3000 – Undergraduate Research
- Advanced Biological Science Elective
- MATH 2300 – Statistical Methods

YEAR 4

FALL
- CHEM 3307/3107 – Physical Chemistry I & Lab
- CHEM 3341/3141 – Analytical Methods
- HIST 2301 – US History I
- POLS 1301 – American Public Policy
- Art Core Elective

SPRING
- CHEM 4314/4114 – Instrumental Methods & Lab
- Advanced Chemistry Elective
- Advanced Biological Science Elective
- HIST 2302 – US History II
- POLS 2301 – American Government
# General Studies with Chemistry, Biology, and Spanish

## Example Scheduling Plan

### Year 1

**Fall**
- CHEM 1307/1107 – Chemistry I & Lab
- SPAN 1501 – Beginning Spanish I
- MATH 1451 – Calculus I
- ENGL 1301 – Essential Rhetoric
- PFW Core Elective (1-Hour)

**Spring**
- CHEM 1308/1108 – Chemistry II & Lab
- SPAN 1502 – Beginning Spanish II
- MATH 1452 – Calculus II
- ENGL 1302 – Advanced Rhetoric
- PFW Core Elective (1-Hour)

### Year 2

**Fall**
- CHEM 3305/3105 – Organic Chemistry I & Lab
- SPAN 2301 – Intermediate Spanish I
- BIOL 1403 – Biology I & Lab
- PHYS 1403 – General Physics I
- Language, Philosophy & Culture (3-Hours)

**Spring**
- CHEM 3306/3106 – Organic Chemistry & Lab
- SPAN 2302 – Intermediate Spanish II
- BIOL 1404 – Biology II & Lab
- PHYS 1404 – General Physics II

### Year 3

**Fall (Seville, Spain)**
- CHEM 3310 – Molecular Biochemistry
- SPAN 3306 – Spanish Life and Culture
- SPAN 3309 – Medical Spanish/Shadowing
- SPAN 4343 – Advanced Language Skills
- POLS 1301 – American Public Policy (Online)

**Spring**
- BIOL 3416 – Genetics
- ZOOL 2403 – Human Anatomy & Physiology (Or other BIOL Elective)
- Social & Behavioral Science Core (3-Hours)
- Jr./Sr. Elective (3-Hours)
- Oral Communication Core Elective

### Year 4

**Fall**
- BIOL 3400 – Microbiology
- HIST 2300 – U.S. History I
- Creative Arts Option (3-Hours)
- Jr/Sr. Elective (6-Hours)

**Spring**
- Creative Arts Option (3-Hours)
- HIST 2301 – U.S. History II
- POLS 2306 – Texas Politics
- Social & Behavioral Science Core (3-Hours)
- Jr./Sr. Elective (3-Hours)

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Online Global Scholar Certificate for multicultural credit. ([globalscholar.us](http://globalscholar.us))
### BS in Biology with Chemistry and Spanish Minors

#### Example Scheduling Plan

<table>
<thead>
<tr>
<th>Year</th>
<th>Semester</th>
<th>Courses</th>
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<tbody>
<tr>
<td>1</td>
<td>FALL</td>
<td>CHEM 1307/1107 – Chemistry I &amp; Lab, SPAN 1501 – Beginning Spanish I, MATH 1320 – College Algebra, ENGL 1301 – Essential Rhetoric</td>
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<tr>
<td>2</td>
<td>SPRING</td>
<td>CHEM 1308/1108 – Chemistry II &amp; Lab, SPAN 1502 – Beginning Spanish II, MATH 2300 – Statistical Methods, ENGL 1302 – Advanced Rhetoric, PFW Core Elective</td>
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<tr>
<td>3</td>
<td>SPRING</td>
<td>CHEM 3305/3105 – Organic Chemistry I &amp; Lab, SPAN 2301 – Intermediate Spanish I, BIOL 1403 – Biology I &amp; Lab, POLS 1301 – American Public Policy, ENGL 2000-Level Core Elective</td>
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<tr>
<td>4</td>
<td>FALL</td>
<td>BIOL 3305 - Organic Evolution, BIOL 3309 - Principles of Ecology, BIOL 3416 – Genetics, Creative Arts Core Elective, Oral Communication Core Elective</td>
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<tr>
<td>4</td>
<td>SPRING</td>
<td>Advanced Biological Science Elective*, Advanced Biological Science Elective*, HIST 2300 – US History I, PHYS 1403 – General Physics I</td>
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* Biology electives must be 3000-4000 level courses from BIOL, BOT, MBIO, ZOOL (NOT MBIO 3400); 3 hours from PHIL 3322, 3325, or 3334 may be applied. Up to 6 hours of undergraduate research may apply towards the degree requirements.