

# 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.



# BA in Chemistry with a Spanish Minor

**Example Scheduling Plan** 

YEAR

#### **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

#### **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
- √ PFW Core Elective

## **SUMMER**

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

Sear 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

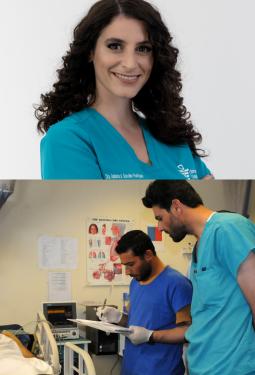
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- √ CHEM 3307/3107 Physical Chemistry I & Lab
- √ CHEM 3341/3141 Analytical Methods
- √ HIST 2301 US History I
- √ POLS 1301 American Public Policy
- √ Art Core Elective

#### **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

#### **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

#### **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

#### **SUMMER**

√ Online Global Scholar Certificate for multicultural credit. (globalscholar.us)

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

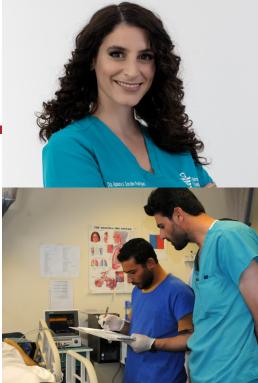
# **FALL**

- √ 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)





# **BS in Biology with Chemistry and Spanish Minors**

**Example Scheduling Plan** 

YEAR

#### **FALL**

- √ CHEM 1307/1107 Chemistry I & Lab
- √ SPAN 1501 Beginning Spanish I
- √ MATH 1320 College Algebra
- √ ENGL 1301 Essential Rhetoric

#### **SPRING**

- √ CHEM 1308/1108 Chemistry II & Lab
- √ SPAN 1502 Beginning Spanish II
- √ MATH 2300 Statistical Methods
- √ ENGL 1302 Advanced Rhetoric
- √ PFW Core Elective

YEAR

#### **FALL**

- √ CHEM 3305/3105 Organic Chemistry I & Lab
- √ SPAN 2301 Intermediate Spanish I
- √ BIOL 1403 Biology I & Lab
- √ POLS 1301 American Public Policy
- √ ENGL 2000-Level Core Elective

#### **SPRING**

- √ CHEM 3306/3106 Organic Chemistry & Lab
- √ SPAN 2302 Intermediate Spanish II
- √ BIOL 1404 Biology II & Lab
- √ POLS 2306 American Government
- √ Social & Behavioral Core Elective

### **SUMMER**

√ Online Global Scholar Certificate for multicultural credit. (globalscholar.us)

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
- √ BIOL 4300 Undergraduate Research

#### **SPRING**

- √ BIOL 3305 Organic Evolution
- √ BIOL 3309 Principles of Ecology
- √ BIOL 3416 Genetics
- √ Creative Arts Core Elective
- √ Oral Communication Core Elective

YEAR

## **FALL**

- √ BIOL 3320/3120 Cell Biology & Lab
- √ Advanced Biological Science Elective\*
- √ Advanced Biological Science Elective\*
- √ HIST 2300 US History I
- √ PHYS 1403 General Physics I

# **SPRING**

- √ Advanced Biological Science Elective\*
- √ Advanced Biological Science Elective\*
- √ Language, Philosophy & Culture
- √ HIST 2300 US History II
- √ PHYS 1404 General Physics II

\* 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.



