STEM STUDENTS AND THEIR CURRICULUM GOING TO EUROPE

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Breadth versus depth: Academic Model

Regular university courses in sciences with Spaniards

Electives in cultural content

No language requirement – courses in English

Intensive Spanish language course

Tutoring with science faculty member

Supervised company internship in STEM field

Lab work with Spanish peers
Regular University Coursework with Spaniards

Computer Science and Math
Biomedical Engineering
Aerospace Engineering
Mechanical Engineering
Telecommunications Engineering
Industrial Technology
Environmental Technology
Energy Science
Audiovisual Engineering
Industrial Electronics and Automation
Physics
Chemistry
Intercultural Communication and Leadership

Developing soft skills and self awareness through:
Company visits with global, science and environmental focus
Integrated activities with local Spanish Science Student Network
Cross-team experience in internship with engineering or life science
Shared living in Spanish homestays
Intercultural communication courses with focus on leadership
Challenges

How much language preparation is required? Spanish for science students?

Allowing academic credit transfer for science classes or not?

Managing STEM student expectations: academics and adaptation

Defining STEM program assessment tools: How to define success?

Aligning math levels of U.S. students with host university profile?

Budget constraints on public universities: Adding on program courses?

Coordinating effective alumni network (not all STEM fields are the same)

How to approach STEM study abroad with Liberal Arts trained staff?