S T E M

- Science
- Technology
- Engineering
- Mathematics

Why Internationalize the STEM

- In the United States 1% of college undergraduates receive degrees in science, compared to 38% in South Korea, 47% in France, 50% in China, and 67% in Singapore.
- US ranks 20th among all nations when it comes to undergraduates earning degrees in science math or engineering.
- Over 75% of the worlds scientists and engineers live and work in Asia

INTERNATIONALIZING THE STEM COURSES

- STEM Disciplines have been traditionally neglected by universities
- STEM self marginalization
- STEM obstacles to Internationalization

Methodology vs Content

- Too much emphasis is often placed on the specific content of courses in the internationalization process
- A methodological approach to internationalizing the STEM disciplines could be one solution

Best Practices & Models

- Arcadia University—Mathematics
- University of San Diego—Engineering
- Protland Community College—Accounting

Group Work on Syllabi

- Philosophy of Science
- Natural Sciences
- Biology
- General Physics and Calculus