

Fund for the Improvement of Postsecondary Education (FIPSE)

FY 2007 EU-U.S. Atlantis Program – New Grant Awards by Grant Number

P116J070001

Undergraduate Dual Degree Program in International Field Geosciences

U.S Lead: University of Montana-Missoula (Montana)

EU Lead: Universität Potsdam (Germany)
University College Cork (Ireland)

This undergraduate degree project will develop and implement an innovative dual B.S. degree program in geosciences that focuses on field-based learning in an international setting, while also including substantial training in allied sciences, language, and culture. The program will be centered on the different natural geosciences laboratories already used by each partner and will take advantage of complementary in-house research facilities operated by each. This program builds on the strength of existing institutional relationships, geosciences curriculum, and complementary research facilities among all three consortium partners.

Total Funding: \$408,000 (4 years)

Contact: Marc Hendrix, University of Montana, Department of Geosciences, 406-243-5278,
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P116J070002

Policy Project in Nursing Capacity for Global Healthcare Leadership

U.S. Lead: University of Washington (Washington)
Washington State University (Washington)

EU Lead: University of Southampton (United Kingdom)
Alice Saloman Fachhochschule Berlin (Germany)

This policy project focuses on the unparalleled opportunities for higher education institutions that provide nursing education to address some of the critical issues facing global healthcare systems. The changing landscape in healthcare, prompted by demographic shifts, increased population mobility, and rapid advances in medical science and technology, requires a concerted effort to develop nurse leaders capable of collaborating on an international scale. There are insufficient global nurse leaders prepared to address the demands of complex international health policies and practice trends. Nursing faculty from four universities will work collaboratively in the United States and the European Union to develop a curriculum, learning experiences, and leadership-focused outcomes that address health care issues of global concern.

Total Funding: \$50,000 (2 years)

Contact: Brenda Zierler, University of Washington, School of Nursing, 202-616-1910, brendaz@u.washington.edu

P116J070003

Policy Project in Transnational Applied Research in Gender Equity Training

U.S. Lead: University of Wisconsin-Madison (Wisconsin)
Northeastern University (Massachusetts)

EU Lead: Universidad Complutense de Madrid (Spain)
Radboud Universiteit Nijmegen (Netherlands)
Humboldt-Universität zu Berlin (Germany)

This policy project will draw on the expertise of European Union (EU) and U.S. faculty to develop evaluation criteria for gender mainstreaming training. It will focus on area studies experts to compare third-country training to that conducted within the EU, identify context-specific differences in training needs, and enhance the focus on intersectional inequalities. The project will also conduct expert workshops to identify best practices in regard to content, methodology, and curriculum standards, and disseminate databases of expertise and best practices to policy makers and academic programs.

Total Funding: \$50,000 (2 years)

Contact: Myra Marx Ferree, University of Wisconsin, Department of Women's Studies, 608-263-5204, mferree@ssc.wisc.edu

P116J070005

Policy Project in Transatlantic Degree Programs Inventory

U.S. Lead: Institute for International Education (New York)
University at Albany (New York)

EU Lead: Freie Universität Berlin (Germany)
Latvijas Rektoru Padome (Latvia)

The policy project will develop and launch a multi-tiered online survey of U.S. and European higher education institutions to assess the number and types of existing transatlantic linkages. In addition, the project will include a Transatlantic Degree Programs (TDP) manual that will serve as a key resource to institutions in Europe and the United States. Finally, the project will focus on strategies for disseminating the survey findings and the TDP Manual.

Total Funding: \$50,000 (2 years)

Contact: Daniel Obst, Institute for International Education, 212-984-5453, dobst@iie.org

P116J070009**Undergraduate Dual Degree Program in Urban Planning**

U.S. Lead: University of Illinois at Chicago (Illinois)

EU Lead: University of the West of England (United Kingdom)
Polytecnico di Milano (Italy)

This undergraduate dual degree program focuses on a course of study that provides students with foundation skills for critical analysis on topics of contemporary, cross-national urban planning, and regeneration. Students will spend one year abroad during the four-year course of study. The exchanges will also develop the program of study through workshop activities involving faculty from the three universities. Graduates of the program will be able to make effective contributions to the sustainable development of communities and connect global processes to local policy agendas.

Total Funding: \$408,000 (4 years)

Contact: Valerie Werner, University of Illinois at Chicago, Department of Urban Planning, 312-413-2292, vwerner@uic.edu

P116J070013**Policy Project in Benchmarking Entrepreneurship and Entrepreneurship Education**

U.S. Lead: University of San Francisco (California)
Santa Clara University (California)

EU Lead: Universidad de las Palmas de Gran Canaria (Spain)
Universidade da Madeira (Portugal)

This policy project aims to analyze the current configuration of academic programs and activities carried out to promote entrepreneurship in the United States and the European Union (EU). The case of Silicon Valley in the United States and that of the EU's outermost regions, specifically the Canary Islands and Madeira, will be addressed. To achieve this, the characteristics of entrepreneurship education and activities in the EU's outermost regions and in Silicon Valley will be identified and its results benchmarked. Other excellence entrepreneurship education programs in the United States and the EU will also be taken into consideration. The project will propose a set of policy recommendations on entrepreneurship education that will be disseminated through participating institutions.

Total Funding: \$50,000 (2 years)

Contact: Carlos Baradello, University of San Francisco, School of Business and Management, 954-325-4319, csbaradello@usfca.edu

P116J070015**Graduate Dual Degree Program in Electrical Computing and Engineering**

U.S. Lead: Georgia Institute of Technology (Georgia)

EU Lead: Università degli Studi di Trento (Italy)
Technische Universität München (Germany)
Polytecnico di Torino (Italy)

This graduate program will offer dual-degree M.S. programs that will build on existing dual-degree agreements between the participating universities and their respective departments to provide new pathways for students to participate in dual-degree programs in Electrical Computer Engineering and Computer Science. Students will learn important skills and be trained in foreign culture, language, and professional activities.

Total Funding: \$408,000 (4 years)

Contact: Michael McCracken, Georgia Tech, College of Computing, 404-894-6172,
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P116J070028**Graduate Dual Degree Program in Engineering Mechanics and Materials Engineering**

U.S. Lead: University of Nebraska-Lincoln (Nebraska)

EU Lead: Université de Rouen (France)
Luleå Tekniska Universitet (Sweden)

This dual graduate program will develop a transatlantic dual master's program in Engineering Mechanics/Materials Engineering. This program builds on the existing strengths of each institution, providing students with an exceptional educational experience with an extremely strong multicultural, international component. Students will be able to study on all three campuses (including one year abroad) and obtain two degrees in two years, a Master's degree in Engineering Mechanics from the United States and a Master in Materials Engineering from either of the two European Union schools. Both degrees currently exist and can be obtained by students in the regular program at the respective institutions.

Total Funding: \$407,999 (4 years)

Contact: David Allen, University of Nebraska-Lincoln, College of Engineering, 402-472-7071,
dhallen@unl.edu

P116J070030**Undergraduate Dual Degree Program in Nursing**

U.S. Lead: Nazareth College (New York)

EU Lead: Semmelweiss Egyetem (Hungary)
Laurea Leppävaara (Finland)

This undergraduate dual degree project will be the first of its kind—a dual degree in nursing. There is a need for international recognition of nursing education to facilitate efficient emigration of nurses. International collaboration will play a key role in improving health care education and addressing critical issues in the worldwide nursing workforce. This project will support the expansion of an existing collaborative partnership to provide transatlantic dual-degrees. The objectives of the program are to prepare a culturally competent international nursing workforce, create mechanisms for the exchange of undergraduate students majoring in nursing, develop a dual-degree model, and share evidence-based practice standards for education that cross international boundaries.

Total Funding: \$408,000 (4 years)

Contact: Marie Theresa O’Toole, Nazareth College, Department of Nursing, 585-389-2712,
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P116J070032

Undergraduate Dual Degree Program in Intercultural Teacher Education

U.S. Lead: Penn State University Park (Pennsylvania)

EU Lead: Hogskolan I Jönköping (Sweden)
University of Chichester (United Kingdom)

This undergraduate dual-degree program will prepare intercultural reflective public school teachers through a two-year transatlantic program that emphasizes inclusion and differentiated instruction, citizenship and multicultural education, language learning, and pedagogy and didactics. Cohorts of U.S. and EU students will begin the program each fall semester by studying the first year at EU partners, then a second year at Penn State to finish an integrated sequence of education courses and field experiences and earn dual baccalaureate degrees in a total of four years. Consortia faculty will travel to each partner school to develop and implement the curricula and collaborate on evaluation research and dissemination.

Total Funding: \$407,739 (4 years)

Contact: Jamie Meyers, Penn State University Park, College of Education, 814-865-1807,
jmm12@psu.edu

P116J070040

Mobility Project in Design, Entrepreneurship, Technology, and Engineering

U.S. Lead: Purdue University (Indiana)
Penn State University Park (Pennsylvania)

EU Lead: Dublin Institute of Technology (Ireland)
Hochschule Darmstadt (Germany)

This mobility project is a collaboration of four engineering, design and technology education institutions addressing a 21st century global imperative, namely that innovative engineering and technology will be done by multidisciplinary knowledge integration in a collaborative, cross-cultural, global, and digital environment. The project will develop a suite of sustainable innovative international learning contexts and institutionalize a full semester student exchange. Dissemination targets are university engineering and technology professions.

Total Funding: \$408,000 (4 years)

Contact: Robert Herrick, Purdue University, College of Engineering, 765-494-7484,
rherrick@purdue.edu

P116J070051
Undergraduate Dual Degree Program in International Management

U.S. Lead: Bentley College (Massachusetts)

EU Lead: Universiteit van Tilburg (Netherlands)
Universidad de Deusto (Spain)

This undergraduate dual-degree project includes a four-year program leading to B.S. degrees from Bentley and either of the two European Union schools. This integrated program of study in international management of information technology utilizes unique strengths and strategic interests of all three schools. In addition to the program of study leading to the two diplomas, the institutions offer extensive cultural opportunities. U.S. students gain Dutch and Spanish proficiency. Faculty teaching residencies will support synergistic teaching and publication.

Total Funding: \$408,000 (4 years)

Contact: Nader Asgary, Bentley College, School of Business, 781-891-2784,
nasgary@bentley.edu

P116J070057
Mobility Project in Ambient Computing

U.S. Lead: Troy University (Alabama)
University of Arkansas-Fayetteville (Arkansas)
San Diego State University (California)

EU Lead: University of Sunderland (United Kingdom)
FernUniversität in Hagen (Germany)
Universidade do Algarve (Portugal)

This mobility project aims to develop multidisciplinary skills in the next generation of computer science workers. As computer systems become ever more ubiquitous and are sold globally, there is a corresponding increase in the need to develop a new workforce with top technical skills and knowledge as well as a broader multidisciplinary perspective with multicultural understanding. The project aims to inject multidisciplinary skills into the current computing curriculum, foster an understanding of other cultures by means of exchanges, and directly influence curriculum development in the partner institutions. This will be carried out by integration of the project in the programs and curricula of the institutions and by dissemination via workshops.

Total Funding: \$179,998 (4 years)

Contact: Emrah Ahmet Orhun, Troy University, Computer Science Department, 334-832-7284, eorhun@troy.edu

P116J070058

Undergraduate Dual Degree Program in Materials Science and Mechanical Engineering

U.S. Lead: Oregon State University (Oregon)

EU Lead: Saarland University (Germany)
Luleå Tekniska Universitet (Sweden)

This undergraduate dual degree project focuses on the disciplines of materials science and mechanical engineering. The program is based on a common program of study that is developed and delivered jointly by the three universities. It also includes a well integrated language training and cultural experience program. The outcomes of the project will be the enhancement of undergraduate materials science and mechanical engineering education and a multilingual-multicultural-engineer profile for enhanced opportunities for future education and employment.

Total Funding: \$408,000 (4 years)

Contact: William Warnes, Oregon State University, Department of Mechanical Engineering, 541-737-7016, warnesw@engr.orst.edu