

## Form 1

**COVER SHEET**  
**NEW DEGREE PROGRAM PLANNING NOTIFICATION OF INTENT**  
**(PLANNING NOI)**

## Program Information

Program Name: Global Supply Chain ManagementInstitution Name: University of WashingtonDegree Granting Unit: Department of Civil and Environmental EngineeringDegree: Master of Science in Global Supply Chain Management Level: Master Type: ScienceMajor: N/A CIP Code: 52.0203Minor: N/A

Concentration(s): \_\_\_\_\_

Proposed Start Date: Autumn Quarter 2012Projected Enrollment (FTE) in Year One: 20 At Full Enrollment by Year: 2013 ; 30  
(#FTE) (# FTE)Proposed New Funding: \$850,000Funding Source:  State FTE  Self Support  Other

## Mode of Delivery / Locations

 Campus Delivery UW Seattle Off-site \_\_\_\_\_ Distance Learning Internet delivery

## Substantive Statement of Need

Attach sheet

## Contact Information (Academic Department Representative)

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 Gerald Baldasty, Vice Provost and Dean of the Graduate School

Date 11/9/2010

# PLANNING NOTIFICATION OF INTENT

## Master of Science in Global Supply Chain Management

### University of Washington

Supply chain management is a challenging field offering employment and promotion for working professionals who prepare to master a diverse set of skills and activities. One of few similar offerings at top universities, the proposed **Master of Science in Global Supply Chain Management** at the University of Washington is designed to train professionals for the complexities of managing international trade and transportation. The curriculum addresses coordinated manufacture and movement of goods from raw materials to finished products, partner relationships, leadership, trade issues, security, as well as environmental concerns from technical, economic and political perspectives. Officially housed in the UW Department of Civil and Environmental Engineering, the multi-disciplinary curriculum will emphasize integrative supply chain management in a global setting, and will draw on faculty from Industrial, Civil, and Aeronautical Engineering, Business Administration, International Studies, Marine Affairs, Construction Management, Urban Planning, and Geography. The planned time of implementation is Autumn Quarter, 2012.

Diversity and depth of knowledge set the program apart. The distinguished instructors are supported by numerous guest lecturers from industry and other academic institutions -- all recognized authorities in their fields. This strong learning foundation is supported by applied projects in individual courses plus a practicum requirement.

This new master's program is actually the adaptation and logical progression of the Graduate Certificate in Global Trade, Transportation, and Logistics (GTTL) Studies that was successfully launched within the Graduate School in 1995. The new program will attract some of the finest graduate students from around the world and prepare them for career opportunities in, distribution, logistics, transport, and international trade. It will be an accelerated 36-credit program designed for working professionals who seek advanced knowledge and skills to further their careers. Classes are offered primarily online, but may also be offered on-campus. This rigorous program can be completed in as little as nine months, but many students are expected to work part-time, extending completion time to at least 2 years..

#### Key Features of the Program

- Innovative, multi-disciplinary approach addresses key business issues, strategic problem-solving, leadership and analytical skills.
- Applied learning allows student groups to work in conjunction with private and public organizations.
- Financial aid and academic merit awards help ease students' financial burden.
- Allows for tailoring curriculum to the student's professional development and career aspirations.

#### PROGRAM DEMAND INFORMATION

Washington State House Bill 3103, enacted in 2004, states that... "to prepare Washingtonians to meet employer demand and be competitive in the labor market by 2016, we need to increase degree production by over 5,000 degrees at each level". The HEC Board goes on to estimate that available workers in technical fields at the graduate level will fill only 67 percent of the 2011-2016 workforce demand, and prescribes that "(t)he higher education system will need to expand at all levels in ... technical and professional fields ... to meet employer demand. Also needed are increased numbers of students who are prepared and interested in pursuing careers in fields including science technology, engineering, and computer science.<sup>1</sup>

Furthermore, the Puget Sound region is the main gateway for the most trade-dependent state in the nation; the Ports of Seattle and Tacoma comprise the third largest container load center in North America, and the goods and services produced in the region contribute greatly to the regional and national economies. The Advisory Board of UW's GTTL

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<sup>1</sup> Washington Higher Education Coordinating Board 2009: "A Skilled and Educated Workforce: an assessment of higher education and training credentials required to meet employer demand" Executive Summary

Studies, comprised of representatives of some of the largest manufacturers and transportation providers in the region, have also signaled an impending need for this type of program as a contribution to the viability of the regional and state economies.

Similar programs exist elsewhere in the country, but none at the graduate level are located in the Puget Sound Region, nor with such strong emphasis on interdisciplinary study. As the HEC Board has recommended, we need qualified professionals at the forefront of industry to maintain regional economic well-being. The market survey conducted by UW Continuing & Professional Education in Spring 2010 corroborates the need for this program and demonstrates interest from firms and potential candidates in the supply chain management field.

**PRELIMINARY BUDGET SOURCES**

The proposed Degree will be self-sustaining, supported by student tuition fees. Tuition for the full program will be within the range of similar prestigious programs offered nationally, the academic levels of which we hope to aspire:

University of Michigan- Master of Supply Chain Management:	\$51,634
MIT - Master of Engineering in Logistics and Supply Chain Management:	\$50,353
University of San Diego - Master of Science in Supply Chain Management:	\$42,540
Ohio State University -Master in Business Logistics and Engineering:	\$39,315
Pennsylvania State University - Master of Professional Studies in Supply Chain Management:	\$27,360

**DEGREE CURRICULUM WILL INCLUDE THE FOLLOWING ELEMENTS: (new and existing courses, 36 hours total) including:**

- 1) Supply Chain Management
- 2) Trade, Transportation and Infrastructure in Global Commerce
- 3) Marine Transportation
- 4) Air Transportation
- 5) Project Management
- 6) Sustainability: Commerce and the Environment
- 7) Practicum