

PRODUCT STEWARDSHIP FOR SUSTAINABILITY, CERTIFICATE

Product Stewardship for Sustainability, Certificate

NOTE: This certificate program may be completed entirely online!

OVERVIEW

The Certificate in Product Stewardship for Sustainability enables professionals to promote responsible design, development, and management of products throughout their life cycle. This certificate program addresses the need for professionals trained in minimizing the health, safety, environmental, and social impacts of a product and its packaging throughout all lifecycle stages, while also maximizing economic benefits. Individuals who complete a Certificate in Product Stewardship for Sustainability will gain competencies that will enable them to manage products and their packaging throughout all lifecycle stages while minimizing human health and ecological impacts.

The certificate program is designed for junior, mid-level, and executive-level professionals (non-degree students) desiring to expand their knowledge of product stewardship to advance their careers. These include working professionals who are already active in the product stewardship field, and those from a wide range of other backgrounds, including environmental health, regulatory compliance, industrial hygiene, occupational health and safety, sustainability, product development, supply chain, and law. The certificate program is also open to masters and doctoral degree students and post-doctoral trainees at the Johns Hopkins Bloomberg School of Public Health and the Whiting School of Engineering.

EDUCATIONAL OBJECTIVES

Students completing the certificate program will be able to:

1. Describe the core functions, values and principles of environmental and occupational public health.
2. Identify and characterize product hazards, exposures, and risk through inherent product characteristics, uses, and misuses of products.
3. Identify points in the production and distribution processes that create risks for workers, communities, consumers, and the ecosystem.
4. Select and apply appropriate frameworks to analyze product risks to humans and the environment throughout product supply chains and product lifecycles.
5. Determine and document appropriate and effective systems for ongoing assessment and management of product and business risk.
6. Identify and evaluate current and emerging societal issues, regulatory requirements, and voluntary frameworks that may affect products throughout their lifecycle.
7. Assess risk throughout the products' movement within the supply chain (product trail) to determine if appropriate stewardship systems and risk management activities are in place.

8. Assess and apply best practices to improve product sustainability and competitive advantage while minimizing business risk through management and product development.

Sponsoring Department

Environmental Health and Engineering (<https://publichealth.jhu.edu/departments/environmental-health-and-engineering/>)

ADMISSIONS

Contact information and complete admissions information is available on the certificate program page (<https://publichealth.jhu.edu/academics/product-stewardship-for-sustainability-certificate-program/>) on the Bloomberg School of Public Health website.

REQUIREMENTS FOR SUCCESSFUL COMPLETION

The certificate program in Product Stewardship for Sustainability requires a minimum of 18 term credits (please note that the EN courses below are listed with semester credits, but 3 semester credits is equivalent to 4.5 term credits). All required and elective courses must be taken for a letter grade; a minimum grade of C is required in all certificate coursework and students must maintain a 2.75 or better overall GPA for all certificate coursework. The certificate program length is flexible; it varies from student to student, however, the certificate must be completed within three years.

The student should review the section of the website that addresses completion (<https://publichealth.jhu.edu/academics/certificate-programs/requirements-for-successful-completion-of-a-certificate-program/>) before completing certificate program requirements. The student's transcript will not indicate that the certificate was earned until the Notification of Completion has been submitted, verified by the certificate program, and processed by the Registrar.

COURSE OF STUDY

Students should check the BSPH course directory (<https://publichealth.jhu.edu/courses/>) to confirm when courses are offered.

Students should also check for prerequisites and whether instructor consent is required. All students must complete the free, online, non-credit course Introduction to Online Learning (<https://courseplus.jhu.edu/core/index.cfm/go/course.home/cid/90/>) prior to enrolling in online courses.

Code	Title	Credits
PH.550.860	Academic & Research Ethics at BSPH (course is offered in all academic terms. Students must also complete the free, non-credit online course Introduction to Online Learning)	
<i>Students must complete two of the three EN courses and all of the PH courses on technical competency</i>		
EN.575.623	Industrial Processes and Pollution Prevention (typically offered in the Fall Semester)	3
EN.535.662	Energy and Environment (typically offered in the Fall Semester)	3
EN.575.736	Designing for Sustainability: Applying a Decision Framework (typically offered in the Fall Semester)	3
PH.180.628	Introduction To Environmental and Occupational Health Law (typically offered online in the 4th term)	4

PH.187.640	Toxicology 21: Scientific Foundations (typically offered online in 2nd term)	1
PH.317.600	Introduction to the Risk Sciences and Public Policy (typically offered onsite in 1st term and online in 3rd term)	4