

BACHELOR OF SCIENCE IN SUSTAINABILITY

Description and Outcomes

This interdisciplinary program in sustainability addresses challenges and opportunities around the world. The degree plan is designed to equip you with multiple critical thinking and communication skills to make you competitive in an evolving global job market. A diversified science background will help you identify environmental issues, develop sustainable practices, and implement mitigation strategies to solve real-world problems for a more resilient planet. Topics related to social and environmental justice, energy use, conservation, pollution reduction, and management will equip you with the tools needed to address pressing environmental challenges. The degree will provide you with the necessary tools and skills to communicate new ideas across various sectors. The curriculum was designed to provide career opportunities in multiple fields including environmental resource management, health care, politics, civil rights advocacy, environmental consulting, non-profit, corporate sustainability, among many others.

Concentrations

You will personalize your degree by focusing electives on a particular concentration.

Graduate Program Pathways

If you are interested in earning both a bachelor's and master's degree, consider a graduate program pathway (<https://catalog.purdueglobal.edu/undergraduate/graduate-program-pathways/>).

Program Length

The Bachelor of Science in Sustainability program consists of a minimum of 180 quarter credit hours. Upon successful completion of the program, you will be awarded a bachelor of science degree.

Program Outcomes

Discipline-Specific Outcomes

1. Knowledge Base: Apply the major concepts, principles, and historical trends related to natural resource issues and their management, policies, and laws.
2. Application: Apply the major concepts, principles, and methods of science, data analysis, and project management.
3. Research Methods: Evaluate current research in sustainability issues.
4. Standards and Values: Integrate professional standards, ethical practices, and legal standards in the sustainability field.
5. Global Awareness: Synthesize the impacts of human interactions with others and their environment on local and global scales.

General Education Literacies and Professional Competencies

In addition to the discipline-specific outcomes, general education literacies and professional competencies are integrated throughout your academic program. You can review the general education literacies and professional competencies associated with your academic program in the General Education and Professional Competency Requirements (<https://catalog.purdueglobal.edu/undergraduate/general-education-professional-competency-requirements/>) section of this Catalog.

Program Availability

For program availability, please refer to the U.S. State and Other Approvals (<https://catalog.purdueglobal.edu/policy-information/university-information/accreditation-approvals-memberships/>) section and Program Availability Information (<https://www.purdueglobal.edu/catalog-program-availability-info.pdf>).

This program is subject to minimum enrollments. If minimum enrollments are not met, you will be asked to enroll in a subsequent term.

Policies

Please refer to school-specific policies (<https://catalog.purdueglobal.edu/undergraduate/multidisciplinary-professional-studies/>) and the Policy Information (<https://catalog.purdueglobal.edu/undergraduate/policy-information/>) section for general Purdue Global policies.


Certification, State Board, and National Board Exams

Certification and licensure boards have state-specific educational requirements for programs that lead to a license or certification that is a precondition for employment. Prospective and current students must review Purdue Global's State Licensure and Certifications (<https://www.purdueglobal.edu/about/accreditation/licensure-state-authorizations/>) site to view program and state-specific licensure information.




Licensure-track programs may limit enrollment to students in certain states; please see Purdue Global's Program Availability Information (<https://www.purdueglobal.edu/catalog-program-availability-info.pdf>) to determine enrollment eligibility.




You are responsible for understanding the requirements of optional certification exams. Such requirements may change during the course of your program. You are not automatically certified in any way upon program completion. Although certain programs are designed to prepare you to take various optional certification exams, Purdue Global cannot guarantee you will be eligible to take these exams or become certified. Your eligibility may depend on your work experience, completion of education and/or degree requirements, not having a criminal record, and meeting other certification requirements.

Degree Plan


The  icon appears in the title of traditional courses that are also available as a set of module courses. Module course availability may be limited to certain academic calendars. See Course Types (<https://catalog.purdueglobal.edu/policy-information/university-information/approach-to-learning/>) for information about module courses.

Program Requirements

Code	Title	Credits
Core Requirements		
CM107	 College Composition I	5
CM220	 College Composition II	5
CS212	 Communicating Professionalism	5
SC156	Principles of Chemistry	5
SS270	Social Problems	5
100/200 Level	Mathematics Requirement ¹	5
100/200 Level	Arts and Humanities Requirement ¹	5

100/200 Level	Science Requirement ¹	5
100/200 Level	Social Science Requirement ¹	5
Total Core Requirements		45
Major Requirements		
CM240	Technical Communication	5
MM207	 Statistics ²	5
or SS290	 Data in Our World - Introduction to Data Literacy	
MT140	 Introduction to Management	5
or EM101	Introduction to Environmental Policy and Management	
PP220	Socially Responsible Leadership	5
SC206	Introduction to Sustainability	5
SC225	Environmental Science	5
SC226	Environmental Science Lab	2
SC255	Research Methodology	5
EM410	The Global Environment	6
SC302	Topics in Sustainability	6
SC499	Bachelor's Capstone in Sustainability	6
Total Major Requirements		55
Open Elective Requirements		
Open Electives		80
Total Open Elective Requirements		80
TOTAL CREDITS		180

¹ For options to fulfill this requirement, see the corresponding literacy in General Education and Professional Competency Requirements (<https://catalog.purdueglobal.edu/undergraduate/general-education-professional-competency-requirements/>).



² Students in the decision management concentration must take MM207  Statistics.

Concentration Requirements

Concentration courses are completed within the open electives requirement of the degree plan.

Students in this program are required to select a concentration.

Decision Management

Code	Title	Credits
IN302	 Reporting and Visualization	5
MM305	 Business Statistics and Quantitative Analysis	6
MM330	Probability With Business Applications	5
MM340	Decision Modeling	5
MM341	Decision Management	5
MT313	Corporate Sustainability and Social Responsibility	6
TOTAL CREDITS		32

Economics

Code	Title	Credits
MT313	Corporate Sustainability and Social Responsibility	6
MT314	Social Innovation and Entrepreneurship	6

MT330	International Marketing and Business Development	6
MT433	Global Supply Chain Management	6
SS359	Sustainable and Resilient Communities	6
TOTAL CREDITS		30

Environmental Science

Code	Title	Credits
SC325	Environmental Risk Assessment	6
SC340	The Biology of Pollution	6
SC350	Conservation of Natural Resources	6
SC362	Our Changing Climate	6
SC415	Environmental Health	6
TOTAL CREDITS		30

Health Sciences

Code	Title	Credits
HD420	Social Determinants of Health and Health Behavior	6
NS430	Whole Foods Production	6
SC361	Population and Society	6
SC362	Our Changing Climate	6
SC415	Environmental Health	6
TOTAL CREDITS		30

Social Issues

Code	Title	Credits
CM305	Communicating in a Diverse Society	6
HU375	Social Justice and Sustainability	6
SC361	Population and Society	6
SS359	Sustainable and Resilient Communities	6
SC415	Environmental Health	6
TOTAL CREDITS		30

Supply Chain and Logistics

Code	Title	Credits
MT433	Global Supply Chain Management	6
MT434	Logistics and Distribution Management	6
MT436	Purchasing and Supply Chain Management	6
MT437	Strategic Warehouse Management	6
MT438	Supply Chain Analytics	6
TOTAL CREDITS		30

Sustainable Hospitality

Code	Title	Credits
TH116	Introduction to Hospitality, Event Management, and Tourism	5
Select one of the following:		5
TH201	Food Entrepreneurship	
TH206	Hotel Management and Operations	
TH213	Food and Beverage Management	
MT313	Corporate Sustainability and Social Responsibility	6

MT314	Social Innovation and Entrepreneurship	6
TH311	Sustainable Hospitality Management	6
TOTAL CREDITS		28