

# ENVIRONMENTAL SUSTAINABILITY CERTIFICATE

Coordinator, Chris Keil

In a world filled with complex social and environmental challenges, the need for informed and technically prepared Christians able to speak into these issues is greater than ever. The goal of the Certificate in Environmental Sustainability is to equip students with the theoretical and technical skills needed to engage in the analysis of sustainability issues and develop practical, implementable solutions to the issues.

The certificate program is rooted in an eight week "Summer in Sustainability" at the Wheaton College Science Station (WCSS) in the Black Hills of South Dakota (offered odd numbered summers). In this intensive program, students master the fundamental theories and principles of environmental sustainability while acquiring the needed technical skills to implement sustainability solutions. Extensive field studies, field trips and "real-world" implementation of a sustainability system at the Science Station connect theory and practice in a manner that uniquely prepares students to engage sustainability issues in a practical manner rooted in a Christian worldview.

The sustainability summer is enhanced with a series of elective courses to build on students' particular interests.

## Requirements

**Certificate Requirements** are 24 credits total:

Code	Title	Credits
<b>Required Courses</b>		
ENVR 332	Principles of Environmental Sustainability <sup>1</sup>	4
ENVR 333	Environmental Sustainability Practicum <sup>1</sup>	4
<b>Electives</b>		<b>16</b>
16 credits selected from the following. At least 8 credits must be from the Social Sciences and 4 credits from the Natural Sciences:		
<i>Social Sciences (Select at least 8 credits):</i>		
ANTH 342	Food, Farms, and Culture	
ECON 365	Development Economics	
ENVR 231	Environmental Law, Justice, and Development	
HNGR 114	Poverty, Justice and Transformation	
IR 318	Environmental Politics	
PHIL 305	Environmental Ethics	
URBN 114	Social Life of Cities	
<i>Natural Sciences (Select at least 4 credits):</i>		
BIOL 338	Economic Botany	
ENVR 212	The Dynamic Earth and Environment	
ENVR 341	Quantitative Methods for Environmental Analysis and Problem Solving	
ENVR 371	Introduction to Geographic Information Systems	
ENVR 381	Environmental Pollution and Toxicology	
ENVR 422	Sustainable Agriculture	
ENVR 432	Introduction to Environmental Engineering	
GEOL 307	Water: the Essential Natural Resource	
GEOL 308	Energy & Climate Change	
<i>Experiential</i>		

ENVR 395	Independent Studies in Environmental Science	
<b>Total Credits</b>		<b>24</b>

<sup>1</sup> "Sustainability Summer" offered odd numbered summers during 8 weeks at WCSS. The courses are taught concurrently.