

# Greenhouse Gas (GHG) Accounting Professional Certificate

Given the scale and challenges posed by climate change, there is a strong and growing need for professionals with robust skills in tracking, reporting, and managing carbon emissions from companies and organizations. NAU provides one-of-a-kind, hands-on professional training in carbon accounting, with pathways for both current students and working professionals.

“This certificate provided me with essential knowledge of GHG accounting concepts and practice with real data. This certificate program is a gateway to an increasingly in-demand career. It strengthened my data analysis skills and provided me with insight into an emerging field within sustainability.

- Mary Beth Bayruns

“While climate change can often feel like an overwhelming and unapproachable problem, this certificate is an excellent way for professionals to build valuable technical skills for careers that directly contribute to a more sustainable world.

- Caitlin Brogan

“This certificate taught me the fundamentals of conducting GHG inventories using real world data, about the market-based method to Scope 2 accounting, Scope 3 emissions estimates, and GHG mitigation strategies and decision making processes. I cannot recommend this certificate enough! If you are interested in being on the frontlines of emissions reductions and climate change mitigation this is the certificate for you! You'll learn all of the fundamentals and many of the nuances of GHG accounting with real world data and scenarios.

- Charles Linkenheil

## About the certificate

The Professional Certificate in GHG Accounting is designed to provide you with fundamental knowledge and a robust skill set in carbon accounting and corporate climate action. The certificate includes four (4) courses that were created in collaboration with industry professionals. Each course is fully online, thoughtfully designed around hands-on activities using real-world data, and continually updated to keep pace with the evolving landscape of carbon accounting. The courses are taken in sequence, with the content building on previous courses in order to promote skill development and proficiency in GHG accounting.

## Courses

Foundations in GHG Accounting I

Foundations in GHG Accounting II

Value-chain GHG Accounting

GHG Mitigation and Management

## We offer two pathways for certificate completion:

- One for current students looking to gain a competitive edge in the job market.
- Another for working professionals looking to gain new skills and a flexible learning environment.



**Receive training and accreditation in greenhouse gas (GHG) accounting, propelling your career in climate action!**

## Why the need for GHG Accounting skills is growing rapidly:

Over the past decade, there has been steady growth in climate action by corporations, with many large companies setting ambitious, long-term GHG emission reduction and/or “net-zero” emission targets. Companies see aggressive emission reduction goals as good for business and a way to market themselves as climate friendly. However, companies cannot manage what they don’t measure. Therefore, the need for skilled GHG accountants is growing exponentially. In addition, in March of 2022, the [Securities and Exchange Commission \(SEC\) proposed a rule change](#) that would require all publicly traded companies in the U.S. to report their climate-related financial risk. The SEC proposed rule would also require companies to disclose their GHG emissions inventory, which has become a commonly used metric to assess a company’s climate-related risk or exposure. For companies to remain compliant with the SEC’s new proposed rule, they will either need employees trained in the specifics of GHG accounting or must hire consultants with this expertise.

[Find out more!](#)



[Learn more](#) or contact [deborah.huntzinger@nau](mailto:deborah.huntzinger@nau) if you have any questions.

## Hands-on training designed in collaboration with industry leaders

This online certificate program provides you with the technical skills needed to quantify, report, analyze, and verify greenhouse gas (GHG) emissions at the product, corporate, or community level. It also trains you how to use a GHG emissions profile to design effective climate action and emission mitigation strategies.

You will learn to:

- Identify, manage, and track activity data for GHG emission calculations.
- Quantify and report GHG emissions using appropriate protocols and standards.
- Verify the GHG emissions reported by others.
- Use quantified GHG emissions, together with appropriate economic metrics, to design and justify effective emission management, reduction, and mitigation strategies.

