

# ENVIRONMENTAL ANALYSIS

## Contact Information

**Environmental Analysis**  
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The professional master's degree in Environmental Analysis teaches students rigorous methods that are needed by business and governmental organizations to deal with environmental issues. As an interdisciplinary program, the MS in Environmental Analysis degree aims to give students the ability to not only remediate and solve environmental problems, but also to predict possible environmental impacts to enable avoidance and mitigation of consequences. The Environmental Analysis curriculum not only emphasizes core quantitative topics such as statistics, remote sensing, data analysis, and modeling, but also expands students' knowledge in environmental engineering and science, and broadens their understanding of management and business including communication and leadership training and the flexibility to tailor their interest area by taking electives in relevant fields.

The MS in Environmental Analysis (MSEA) degree is part of the professional science master's (PSM) program at Rice housed in the Wiess School of Natural Sciences. These master's degrees are designed for students seeking to gain further scientific core expertise coupled with enhanced management and communications skills. They instill a level of scholastic proficiency that exceeds that of the bachelor's level, and create the cross-functional aptitudes needed in modern industry. Skills acquired in this program will allow students to move more easily into management careers in consulting or research and development, design, and marketing of new science-based products.

A coordinated MBA/MSEA degrees program is also offered in conjunction with the Jesse H. Jones Graduate School of Business.

Environmental Analysis does not currently offer an academic program at the undergraduate level.

## Master's Program

- **Master of Science in Environmental Analysis (MSEA) Degree** (<https://ga.rice.edu/programs-study/departments-programs/natural-sciences/environmental-analysis/environmental-analysis-msea/>)

## Coordinated Program

- **Master of Science in Environmental Analysis (MSEA) Degree / Master of Business Administration (MBA) Degree** (<https://ga.rice.edu/programs-study/departments-programs/natural-sciences/environmental-analysis/business-administration-mba-environmental-analysis-decision-making-msea/>)

## Faculty Director

Evan Siemann

## Advising Committee

Daniel Cohan  
 Scott Egan  
 Loren Hopkins

## Professors

Pedro J.J. Alvarez  
 Philip B. Bedient  
 Janet Braam  
 Evan Siemann

## Associate Professors

Daniel Cohan  
 Scott Egan

## Professors in the Practice

James B. Blackburn  
 Loren Hopkins

*For Rice University degree-granting programs:*

To view the list of official course offerings, please see [Rice's Course Catalog](https://courses.rice.edu/admweb/!SWKSCAT.cat?p_action=cata) ([https://courses.rice.edu/admweb/!SWKSCAT.cat?p\\_action=cata](https://courses.rice.edu/admweb/!SWKSCAT.cat?p_action=cata)).

To view the most recent semester's course schedule, please see [Rice's Course Schedule](https://courses.rice.edu/admweb/!SWKSCAT.cat) (<https://courses.rice.edu/admweb/!SWKSCAT.cat>).

## Description and Code Legend

**Note:** Internally, the university uses the following descriptions, codes, and abbreviations for this academic program. The following is a quick reference:

### Course Catalog/Schedule

- Course offerings/subject codes: Courses from various subjects may apply towards this program

### Department Description and Code

- Biosciences: BIOS

### Graduate Degree Description and Code

- Master of Science in Environmental Analysis: MSEA

### Graduate Degree Program Description and Code

- Degree Program in Environmental Analysis: ENVA

### CIP Code and Description <sup>1</sup>

- **ENVA** Major/Program: CIP Code/Title: 03.0103 - Environmental Studies

<sup>1</sup> Classification of Instructional Programs (CIP) 2020 Codes and Descriptions from the National Center for Education Statistics: <https://nces.ed.gov/ipeds/cipcode/>.