

**University of New Orleans**  
**The Water Institute of the Gulf**  
**National Science Foundation**  
**International Research Experiences for Students**

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**GRADUATE TRAINING PROGRAM IN ADVANCED TECHNIQUES FOR WATER MANAGEMENT  
HELD IN THE NETHERLANDS – SUMMER 2022**

An exciting graduate student training opportunity in water management techniques will take place in the Netherlands in summer 2022 at Deltares, Utrecht University, and the Technical University of Delft – all established European centers of excellence for advanced water management techniques. Selected graduate students will participate in pre-travel virtual orientation and training programs, an on-site orientation in Delft (Netherlands), two weeks of hands-on classroom, modeling (Delft3D), laboratory, and field training, and enrichment activities in the Netherlands. Post-program follow-up activities will also occur.

**PROGRAM BEGINS MAY 27, ENDS JUNE 11, 2022,\* AND INCLUDES HOUSING, MEAL, AND TRAVEL COSTS FOR PARTICIPANTS.**

Students in PhD programs in fields relevant to water management are eligible to apply, but preference will be given to those who have completed at least two years of graduate study. This course will be most beneficial for graduate students who are interested in participating in or pursuing careers in water resilience, sustainability, coastal, or related programs. Preference will be given to those who fit one of the following profiles:

- Students experienced or interest in coastal numerical modeling wanting to deepen skills and form connections and collaborations;
- Students experienced in numerical modeling in non-coastal settings, e.g., hydraulic and hydrologic modeling in upland river basins;
- Field scientists who want more exposure to the relevance of their work to applied problems or to incorporate numerical modeling into their work;
- Landscape architects, city/urban planners (or related disciplines) who are not necessarily physical scientists but who are interested in how coastal communities adapt to their rapidly changing environment and numerical modeling tools used to inform decision making;
- Environmental scientists and those in sustainability degree programs with an interest in water management related to coastal and flooding issues, including modeling.

No prior Dutch language skills or modeling skills are required. Consideration of applications will begin by Jan. 21, 2022. To apply, submit the materials listed below. Program open only to US citizens and permanent residents. Notification of acceptance to the program will be made via e-mail as early as Feb. 11, 2022. To apply, submit these items:

- [Web Application Form](#) (preview provided below)
- Three letters of recommendation (including one from PhD advisor)
- Unofficial transcripts from all undergraduate and graduate programs attended or completed

Have letters and transcripts sent to be received by **Jan. 21, 2022** to the e-mail address below.

Liz Sigler  
University of New Orleans  
2000 Lakeshore Drive, ADA 1005  
New Orleans, LA 70148  
[curc@uno.edu](mailto:curc@uno.edu)

**This program is supported by the National Science Foundation.**

\*All program dates are tentative

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Program Participants Will Receive:

- Round trip air transportation from the US to the Netherlands
- Housing in the Netherlands
- Meal allowance
- International health insurance
- Local transportation
- Program materials

Program Participants Must Commit To:

- Three virtual training sessions (Mar. 5, Apr. 2, May 7\*)
- Obtaining a valid US passport prior to March 15 (expiration date no earlier than Jan. 31, 2023)
- Completing 30 minutes per week of Dutch familiarization using Duolingo February through May
- Arriving in Amsterdam on May 28\* (departing US on May 27)
- Attending all orientation programs in the Netherlands
- Participating in all training activities (classroom, laboratory, field)
- Participating in all scheduled enrichment activities
- Making an end of program presentation on June 10\*
- Participating in a post-program virtual workshop (afternoon of Aug. 13\*)
- Completing program evaluation forms
- Sharing your experience with fellow students
- Adhering to all COVID protocols and requirements for the University of New Orleans, the US, and the Netherlands

**No Prior Dutch Language Skills Required**

**This program is supported by the National Science Foundation**

\*All program dates are tentative

# University of New Orleans and The Water Institute of the Gulf, National Science Foundation International Research Experiences for Students (IRES)

Application for GRADUATE TRAINING PROGRAM IN ADVANCED MODELING TECHNIQUES FOR WATER MANAGEMENT  
HELD IN THE NETHERLANDS – SUMMER 2022

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\* Required

1. Citizenship \*

Only U.S. citizens and permanent residents are eligible.

*Mark only one oval.*

- U.S. Citizen
- U.S. Permanent Resident (documentation will be required later)
- Other (not eligible for this program)

2. Are you currently enrolled in a PhD program in water resilience, sustainability, coastal, or a related area? \*

Those who are not in or will not be continuing in a PhD program as of May 2022 are not eligible.

*Mark only one oval.*

- Yes
- No (not eligible to apply)

3. I understand that participation in this program requires compliance with all University of New Orleans, U.S., and Dutch COVID protocols and regulations. \*

*Mark only one oval.*

Yes

No (not eligible to participate)

4. Last Name \*

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5. First Name \*

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6. Date of Birth \*

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*Example: January 7, 2019*

7. Address \*

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8. City \*

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9. State \*

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10. Zip Code \*

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11. Phone Number \*

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12. Email address \*

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13. Gender \*

*Mark only one oval.*

Male

Female

Other/Choose not to respond

14. University of current enrollment \*

Indicate what university you are currently enrolled in as a PhD student.

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15. Current major/area of study \*

Indicate your major or the topic area of your PhD program (e.g., hydrology, chemistry, etc.).

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16. My expected PhD degree graduation date is \*

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*Example: January 7, 2019*

17. Current graduate GPA \*

(Indicate graduate GPA on a 4.0 scale for your current program)

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18. Undergraduate university \*

(Indicate college from which you earned an undergraduate degree)

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19. Undergraduate major \*

(Indicate the major of your undergraduate degree)

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20. Undergraduate GPA \*

(Indicate college GPA on a 4.0 scale)

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21. Have you received a Master's degree? \*

*Mark only one oval.*

Yes    *Skip to question 22*

No    *Skip to question 24*

### Master's Degree Info

22. What was your major/area of study for your Master's degree?

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23. What was your GPA for your Master's degree?

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### Personal Information

24. Race \*

(select one or more)

*Check all that apply.*

- Black
- Native American
- Asian
- Pacific Islander
- White

25. Ethnicity \*

(select one)

*Mark only one oval.*

- Hispanic
- Not Hispanic

26. Career Goals \*

Briefly describe your career goals and motivation.

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27. Personal Statement \*

Describe your background and your interest in this program (~1 page). Address how your background fits with this program and how the program will enhance your career and its impact.

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28. Describe Prior Research Experience: \*

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29. Work Experience, if any (firm, position, dates, duties):

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30. How did you learn about this program? \*

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**In addition to this application form, submit to [curc@uno.edu](mailto:curc@uno.edu):**

1. Three letters of recommendation sent directly from references
2. Unofficial transcripts from all undergraduate and graduate programs attended or completed