

certificate-application

Welcome!

Thank you for your interest in the 2020-2021 **Earth Data Analytics - Foundations professional graduate certificate!** This certificate provides students with a powerful combination of skills in earth science, data analytics, interdisciplinary collaboration and science communication. The certificate requires three sequential courses (9 credits) beginning in August and ending in June and can be completed entirely online. You can [learn more here](#).

Application Materials

Please have the following application materials ready before beginning your application.

Required documents:

- A resume/CV
- Undergraduate transcripts (unofficial transcripts are acceptable).
- Answers to two essay questions:
 - Why have you chosen this particular program? (200 words)
 - Please describe your career goals. How does this certificate align with these goals? (200 words)

Optional documents:

- Graduate transcript (unofficial is acceptable),
- If your GPA is less than a 3.0 on a 4 point scale, you may include a statement of explanation (up to 200 words).

The priority application deadline is 11:59 MST Monday **July 13th, 2020**. Applications will continue to be accepted and reviewed on a rolling basis through Monday **August 10th, 2020** or until all seats are filled, whichever comes first.

Admission Requirements

This certificate is appropriate for recent graduates, experienced earth science professionals, and career changers.

Minimum Requirements

- Possess and provide documentation of an undergraduate degree (BS, BA or equivalent) in any academic field from an accredited academic institution.
- The ability to read and write in English.

Preferred Requirements

- At least one year of professional work experience.
- At least one semester of college-level math, statistics or related quantitative coursework (can be substituted with quantitative professional experience).
- An undergraduate grade point average of 3.0 or higher.

Finances

Please note that unfortunately, the program does not offer any scholarships at this time.

What You Will Learn

This certificate will provide you with the fundamental programming, spatial, and open science skills to allow you to address environmental challenges and work with earth systems data. You will leave the program with the ability to work with a wide variety of different data types in Python and use the command line, Git, and Github for version control. You will also learn core communication and collaboration skills needed to work on large interdisciplinary teams.

Questions? Please get in touch:

Leah Wasser, PhD

Director, Earth Analytics Education Initiative

Earth Lab - University of Colorado, Boulder

earth.lab@colorado.edu



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preliminary-question

Complete Your Application

We anticipate that the application may take anywhere from 15 minutes to an hour or more. **If you are unable to complete the application in one sitting**, please email earth.lab@colorado.edu and you will be sent a link to continue where you left off.

Please do not complete the application multiple times.

Earth Data Analytics - Foundations Professional Graduate Certificate

This graduate certificate includes three courses and can be completed in less than one, but up to three, years. Would you still like to pursue this graduate certificate?

NOTE: If you select No the application will close.

- Yes, I want to apply for the professional certificate!
- No thanks.

Are you a current CU employee or student? If so, please email earth.lab@colorado.edu before beginning this application.

- Yes, I am a current CU employee or student.
- No, I am not a current CU employee or student.

contact-information

Contact Information

First Name

Middle Initial

Last Name

Phone

Email

Address 1

Address 2

City

Country

U.S. State

Zip Code

International State/Province

intro-questions

Do you plan to take courses online or in person on the University of Colorado, Boulder campus?

NOTE: You can always change your decision when you enroll in courses.

- Online
- On campus
- Both

How did you learn about this certificate?

- CU Boulder Earth Lab website
- earthdatascience.org website
- Google Search
- Word of mouth
- Twitter
- Facebook
- LinkedIn
- Listserv (please specify which)
- Other (please specify)

What are your main areas of interest? (Select all that apply)

- | | | |
|--|--|---|
| <input type="checkbox"/> Geosciences | <input type="checkbox"/> Ecology | <input type="checkbox"/> Education |
| <input type="checkbox"/> Geography | <input type="checkbox"/> Engineering | <input type="checkbox"/> Statistics |
| <input type="checkbox"/> Data science | <input type="checkbox"/> Computer Science | <input type="checkbox"/> Planning |
| <input type="checkbox"/> Environmental Science | <input type="checkbox"/> Informatics / IT | <input type="checkbox"/> Other (please specify)
<input type="text"/> |
| <input type="checkbox"/> Biology / Biomedical Sciences | <input type="checkbox"/> Mathematics / Applied Mathematics | |

education-history

Education History

List all of the institutions from which you have received a post-secondary degree below, beginning with your undergraduate degree.

NOTE: A bachelor's degree from an accredited institution is required in order to enroll in this certificate program.

Institution 1

Name of Institution	<input type="text"/>
Major(s)	<input type="text"/>
Degree Received (e.g. B.S., B.A., M.S, etc.)	<input type="text"/>
Year Graduated	<input type="text"/>
Grade Point Average	<input type="text"/>

Institution 2

Name of Institution	<input type="text"/>
Major(s)	<input type="text"/>
Degree Received (e.g. B.S., B.A., M.S, etc.)	<input type="text"/>
Year Graduated	<input type="text"/>
Grade Point Average	<input type="text"/>

Institution 3

Name of Institution	<input type="text"/>
Major(s)	<input type="text"/>
Degree Received (e.g. B.S., B.A., M.S, etc.)	<input type="text"/>
Year Graduated	<input type="text"/>

Grade Point Average

professional-experience

Professional Experience

Do you have professional experience and if so are you willing to provide us with employment details?

- Yes
- No, I do not have previous work experience.
- No, I do not wish to list current or previous work experience.

Please list your current or most recent position in the space below.

In what industries have you worked? (Choose all that apply)

- | | |
|---|---|
| <input type="checkbox"/> Accounting | <input type="checkbox"/> IT Operations & Help |
| <input type="checkbox"/> Architecture | <input type="checkbox"/> Legal |
| <input type="checkbox"/> Arts & Entertainment | <input type="checkbox"/> Logistics |
| <input type="checkbox"/> Banking & Finance | <input type="checkbox"/> Management |
| <input type="checkbox"/> Business Services & Consulting | <input type="checkbox"/> Marketing |
| <input type="checkbox"/> Community & Social Service | <input type="checkbox"/> Mathematics |
| <input type="checkbox"/> Construction | <input type="checkbox"/> Media & Communications |
| <input type="checkbox"/> Customer Service | <input type="checkbox"/> Oil & gas |
| <input type="checkbox"/> Defense | <input type="checkbox"/> Pharmaceuticals |
| <input type="checkbox"/> Education & Instruction | <input type="checkbox"/> Production & Manufacturing |
| <input type="checkbox"/> Engineering | <input type="checkbox"/> Project Management |
| <input type="checkbox"/> Environmental Services | <input type="checkbox"/> Real Estate |
| <input type="checkbox"/> GIS | <input type="checkbox"/> Sales |

- | | |
|---|---|
| <input type="checkbox"/> Government | <input type="checkbox"/> Scientific Research |
| <input type="checkbox"/> Healthcare | <input type="checkbox"/> Security & Public Safety |
| <input type="checkbox"/> Human Resources | <input type="checkbox"/> Software Development |
| <input type="checkbox"/> Information Design & Documentation | <input type="checkbox"/> Other (please specify) |
| <input type="checkbox"/> | <input type="text"/> |
| <input type="checkbox"/> Insurance | |

additional-documents

Documents

Please provide the following required documents below in pdf format:

- Undergraduate transcript (unofficial is acceptable),
- Resume/CV,
- Answers to two essay questions:
 - Why have you chosen this particular program? (200 words)
 - In the space below, please describe your career goals. How does this certificate align with these goals? (200 words)

Optional documents:

- Graduate transcript (unofficial is acceptable),
- If your GPA is less than a 3.0 on a 4 point scale, you may include a statement of explanation (up to 200 words).

Resume or CV

Undergraduate transcript (unofficial is acceptable)

NOTE: Please include your undergraduate transcripts even if you have a graduate degree.

OPTIONAL: Graduate transcript (unofficial is acceptable)**Statement 1**

Why have you chosen this particular program? (200 words)

Statement 2

Please describe your career goals. How does this certificate align with these goals? (200 words)

OPTIONAL: GPA Explanation

If your GPA is less than a 3.0 on a 4 point scale, you may include a statement of explanation (up to 200 words).

diversity-information**OPTIONAL: Diversity and Inclusion**

The questions below are entirely optional. They will help Earth Lab determine if our courses are reaching diverse audiences. Information supplied on demographics will be confidential and results will only be reported in the aggregate (i.e. your name will NOT be attached to any analysis).

What is your racial background? (Select all that apply)

- Do not wish to provide
- American Indian or Alaska Native
- Native Hawaiian or Other Pacific Islander
- Asian
- Black or African American
- White
- Other

Are you Hispanic / Latino?

- Do not wish to provide
- Yes
- No

Please select your gender from the options below.

- Do not wish to provide
- Male
- Female
- Other

Please select your age range from the options below.

- Do not wish to provide

- 18-21
- 22-24
- 25-34
- 35-44
- 45-54
- 55-64
- 65 or over

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