Sustainable Urban Agriculture Undergraduate Certificate

Introduction
Please click here (http://catalog.ucdenver.edu/cu-denver/undergraduate/schools-colleges-departments/college-liberal-arts-sciences/geography-environmental-sciences/) to see Geography and Environmental Sciences department information.

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The goal of the certificate program is to provide GES students advanced training in sustainable urban agriculture through the integration of university classroom study and field-based practicum conducted at the department’s field research station. Requirements for the certificate are therefore divided between on-campus courses and field courses.

Upon successful completion of the certificate, students will:

- Have knowledge of the history of urban farming
- Understand the modern agro-food system
- Participate in sustainable urban agricultural practices

Program Delivery
- This is both an on-campus and field-based program.

Declaring This Certificate
- Please see the certificate advisor.

These program requirements are subject to periodic revision by the academic department, and the College of Liberal Arts and Sciences reserves the right to make exceptions and substitutions as judged necessary in individual cases. Therefore, the College strongly urges students to consult regularly with their program advisor and CLAS advisor to confirm the best plans of study before finalizing them.

General Requirements
Students must satisfy all requirements as outlined below and by the department offering the certificate.

- Click here (http://catalog.ucdenver.edu/cu-denver/undergraduate/academic-policies-procedures/) for information about Academic Policies.

Certificate Requirements
1. Students must complete a minimum of 12 GEOG credit hours.
2. Students must complete all 12 GEOG credit hours at the upper division level (3000-level and above).
3. Students must earn a minimum grade of C (2.0) in all certificate courses taken at CU Denver and must achieve a minimum cumulative certificate GPA of 3.0. All graded attempts in required and elective courses are calculated in the certificate GPA. Students cannot complete certificate or ancillary course requirements as pass/fail.

4. Students must complete all 12 GEOG credit hours with CU Denver faculty.

Program Restrictions, Allowances and Recommendations
1. The certificate will be awarded when the student graduates with the bachelor’s degree.
2. All core courses are offered on a yearly basis. Any alterations to the program must be approved by the certificate advisor.
3. Courses taken within the Sustainable Urban Agriculture Certificate Program may be used towards one other degree requirement.
4. Any changes to the standard curriculum program must be approved in writing by the certificate advisor.
5. Because a certificate is a CU Denver certification of a students’ specialized knowledge in an advanced subject matter, all courses in a certificate program are expected to be taken in residency at CU Denver. Only in rare circumstances will exceptions be made regarding this policy.
6. Please pay close attention to prerequisites for specific courses.

Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>GEOG 4450</td>
<td>Urban Food and Agriculture: Perspectives and Research</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 4460</td>
<td>Sustainable Urban Agriculture Field Study I</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 4470</td>
<td>Sustainable Urban Agriculture Field Study II</td>
<td>3</td>
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</table>

Electives

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>GEOG 4060</td>
<td>Remote Sensing I: Introduction to Environmental Remote Sensing</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 4085</td>
<td>GIS Applications for the Urban Environment</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 4265</td>
<td>Sustainability in Resources Management</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 4335</td>
<td>Contemporary Environmental Issues</td>
<td>3</td>
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<tr>
<td>GEOG 4640</td>
<td>Urban Geography: Denver and the U.S.</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 4680</td>
<td>Urban Sustainability: Perspectives and Practice</td>
<td>3</td>
</tr>
<tr>
<td>GEOG 3939</td>
<td>Internship 1</td>
<td>3</td>
</tr>
</tbody>
</table>

1 A sustainable agriculture internship with a local food/urban agriculture community organization.

To learn more about the Student Learning Outcomes for this program, please visit our website (https://clas.ucdenver.edu/ges/programs/certificates/sustainable-urban-agriculture-certificate/).