REQUIREMENTS FOR THE UNDERGRADUATE CERTIFICATE
DODGE COLLEGE OF ARTS AND SCIENCES
THE UNIVERSITY OF OKLAHOMA

Academic Year
For Students Entering the Oklahoma State System for Higher Education
Summer 2023 through Spring 2024

General Requirements
Minimum Total Credit Hours ................................................................. 15
Minimum Upper-Division Hours ......................................................... 8

CERTIFICATE REQUIREMENTS
- Students must have at least a 2.5 GPA for courses applied to the certificate to earn the certificate.
- Courses for which a grade of less than C is earned will not apply toward the certificate.
- Three courses (min 8 credit hours) must be upper division.
- No more than 6 credits hours may be taken from courses offered by the Gallogly College of Engineering (i.e., C S and/or DSA courses).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
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</thead>
<tbody>
<tr>
<td></td>
<td>Choose one course in Introductory Statistics 1</td>
<td>3</td>
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<tr>
<td></td>
<td>Choose one course in Programming for Data Analytics 1</td>
<td>3</td>
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<td></td>
<td>Choose 2 courses in Data-Oriented Electives 1, 2</td>
<td>6</td>
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<tr>
<td></td>
<td>Choose one course in Project or Applied Data Analytics Experience 1, 3</td>
<td>3</td>
</tr>
<tr>
<td></td>
<td>Total Credit Hours</td>
<td>15</td>
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</tbody>
</table>

1Lists of courses approved for each of these categories are maintained by the Data Scholarship Program.
2For students following the Data Science and Analytics Preparatory Track, the electives will be MATH 3333, and one of the following programming courses: C S 1213, C S 1323, C S 1324, or C S 2334.
3Completion or concurrent enrollment of all other certificate requirements is required prior to enrollment in this course.
For students following the Data Science and Analytics Preparatory Track, this course must include a coding-intensive Data Analytics project.