You must have a grade point average (GPA) of 2.0 in ALL work as well as in your major.
15 semester hours must be UAF residence credit.

*MAJOR REQUIREMENTS:

1. Complete the following: - (12)
   CIOS 110 OR CIOS 128 (3)++
   CIOS 130 (3)++
   CIOS 135 (3)++
   CIOS 146 OR CIOS 246 (3)++
   +May use credit by exam or credit for prior learning.
   ++May NOT use credit by exam or credit for prior learning.

2. Complete 9 credits from the following or demonstrate competency:
   ABUS 155 (2)
   CIOS 105 (1-3)
   OR approved math course at the 100-level or above:____________(3)
   CIOS 210 (3)
   CIOS 233 (1-3)
   CIOS 240 (1-3)
   CIOS 246 (1-3)
   CIOS 251 (1-3) (was CIOS 151)
   CIOS 255 (1-3)
   CIOS 256 (1-3)
   CIOS 275 (1-3)+
   +may be repeated for different topics

3. Complete 3 credits of CIOS electives:
   CIOS____(3)____

4. Certification Review Exam:
   Must have memo from Committee chair stating exam has been passed.
   Memo received:_____________________

<table>
<thead>
<tr>
<th>Credits for general requirements</th>
<th>9</th>
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<tbody>
<tr>
<td>Credits for major requirements</td>
<td>24</td>
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<tr>
<td>Total credits required for certificate</td>
<td>33</td>
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